

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
 Data File : VX011414.D
 Acq On : 09 Aug 2019 16:52
 Operator : JC/SP
 Sample : K4279-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 12:50:43 PM

Quant Time: Aug 11 00:50:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	255629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	96231	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	
35) Dibromofluoromethane	5.49	113	83760	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	8.71	98	307050	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.13	95	121174	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	61067	46.324	ug/l	100
3) Chloromethane	1.32	50	65298	44.109	ug/l	99
4) Vinyl Chloride	1.40	62	72804	44.710	ug/l	99
5) Bromomethane	1.63	94	49357	42.500	ug/l	100
6) Chloroethane	1.71	64	48296	47.791	ug/l	100
7) Trichlorofluoromethane	1.92	101	131672	45.477	ug/l	97
8) Diethyl Ether	2.18	74	46479	44.957	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74415	47.500	ug/l	97
10) Methyl Iodide	2.50	142	99725	50.491	ug/l	97
11) Tert butyl alcohol	3.04	59	90045	262.706	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73933	47.608	ug/l	93
13) Acrolein	2.29	56	51692	242.662	ug/l	96
14) Allyl chloride	2.72	41	111433	53.825	ug/l	96
15) Acrylonitrile	3.14	53	220929	270.106	ug/l	99
16) Acetone	2.43	43	187123	228.714	ug/l	92
17) Carbon Disulfide	2.56	76	168403	46.211	ug/l	99
18) Methyl Acetate	2.76	43	103439	55.324	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	252866	55.254	ug/l	# 71
20) Methylene Chloride	2.85	84	85179	47.538	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	79998	48.698	ug/l	90
22) Diisopropyl ether	3.85	45	242550	53.306	ug/l	98
23) Vinyl Acetate	3.81	43	1073720	284.510	ug/l	98
24) 1,1-Dichloroethane	3.69	63	139952	52.162	ug/l	98
25) 2-Butanone	4.67	43	306264	263.153	ug/l	98
26) 2,2-Dichloropropane	4.57	77	107858	51.714	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	95164	50.294	ug/l	96
28) Bromochloromethane	5.01	49	60654	49.588	ug/l	97
29) Tetrahydrofuran	5.12	42	193962	271.809	ug/l	97
30) Chloroform	5.20	83	154662	53.037	ug/l	98
31) Cyclohexane	5.57	56	294923	133.235	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	137627	55.094	ug/l	99
36) 1,1-Dichloropropene	5.79	75	107946	48.366	ug/l	98
37) Ethyl Acetate	4.82	43	116958	52.243	ug/l	99
38) Carbon Tetrachloride	5.78	117	120103	53.488	ug/l	97

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Quant Time: Aug 11 00:50:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	197583	74.686	ug/l	98
40) Benzene	6.13	78	376135	56.476	ug/l	97
41) Methacrylonitrile	5.03	41	64540	52.787	ug/l	97
42) 1,2-Dichloroethane	6.18	62	123672	54.914	ug/l	97
43) Isopropyl Acetate	6.44	43	189182	52.855	ug/l	100
44) Trichloroethene	7.21	130	94619	46.936	ug/l	100
45) 1,2-Dichloropropane	7.51	63	86079	49.905	ug/l	94
46) Dibromomethane	7.66	93	63189	50.183	ug/l	96
47) Bromodichloromethane	7.90	83	117140	54.947	ug/l	98
48) Methyl methacrylate	7.76	41	96301	57.171	ug/l	98
49) 1,4-Dioxane	7.73	88	42171	863.572	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	628758	272.201	ug/l	99
52) Toluene	8.78	92	220041	49.970	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	125285	50.436	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	134693	54.087	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	90824	50.165	ug/l	98
56) Ethyl methacrylate	9.18	69	144255	55.911	ug/l	98
57) 1,3-Dichloropropane	9.37	76	146449	51.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	321956	253.789	ug/l	99
59) 2-Hexanone	9.49	43	487317	272.371	ug/l	99
60) Dibromochloromethane	9.58	129	101812	54.926	ug/l	97
61) 1,2-Dibromoethane	9.67	107	100756	51.509	ug/l	99
64) Tetrachloroethene	9.34	164	93865	46.699	ug/l	95
65) Chlorobenzene	10.13	112	250003	49.264	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	95149	54.766	ug/l	98
67) Ethyl Benzene	10.25	91	1953991	229.910	ug/l	99
68) m/p-Xylenes	10.36	106	371602	113.039	ug/l	96
69) o-Xylene	10.69	106	168743	52.243	ug/l	97
70) Styrene	10.71	104	284553	53.243	ug/l	98
71) Bromoform	10.85	173	76986	49.584	ug/l #	99
73) Isopropylbenzene	11.02	105	619953	70.261	ug/l	100
74) N-amyl acetate	10.90	43	179370	56.260	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	150556	51.202	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	124224m	52.873	ug/l	
77) Bromobenzene	11.25	156	120963	49.439	ug/l	95
78) n-propylbenzene	11.36	91	714725	72.839	ug/l	99
79) 2-Chlorotoluene	11.42	91	302904	51.792	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	383859	51.969	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	42280	48.229	ug/l	97
82) 4-Chlorotoluene	11.51	91	352849	51.768	ug/l	98
83) tert-Butylbenzene	11.77	119	374991	51.764	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1538083	209.150	ug/l	99
85) sec-Butylbenzene	11.94	105	465597	53.494	ug/l	99
86) p-Isopropyltoluene	12.06	119	424741	53.045	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	218878	50.629	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	222386	49.886	ug/l	99
89) n-Butylbenzene	12.38	91	370540	53.714	ug/l	98
90) Hexachloroethane	12.59	117	71295	60.226	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	217525	50.077	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33107	58.114	ug/l	93

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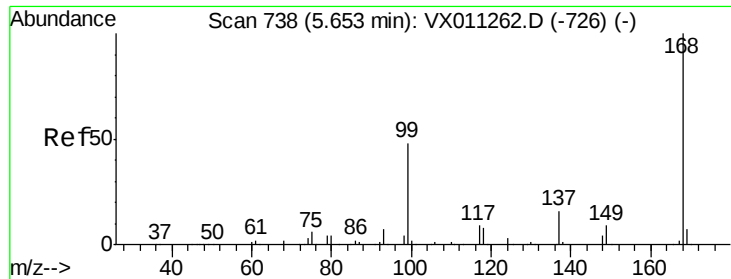
Manual Integrations
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8/12/2019 12:50:43 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	151766	52.683	ug/l	99
94) Hexachlorobutadiene	13.78	225	71564	48.965	ug/l	97
95) Naphthalene	13.83	128	1026118	121.804	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	152681	52.134	ug/l	98

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



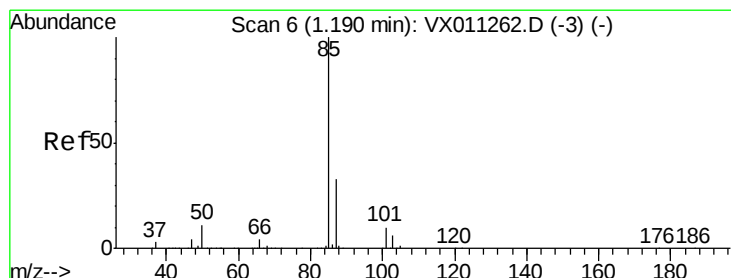
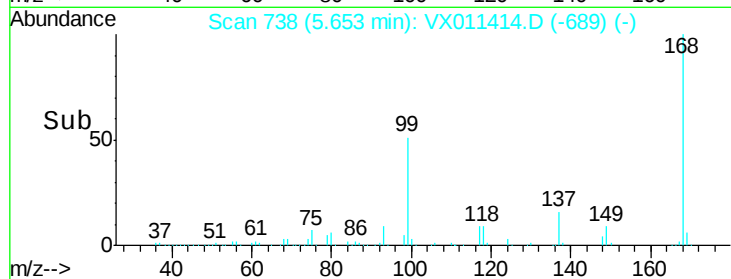
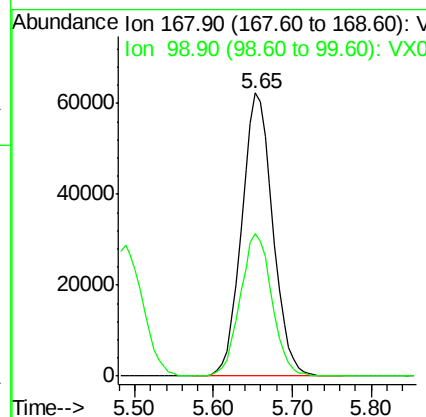
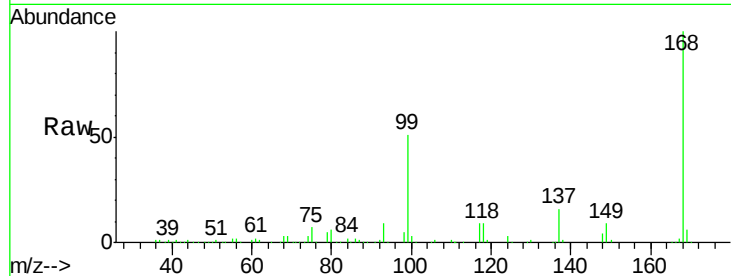
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.4	38.5	57.7

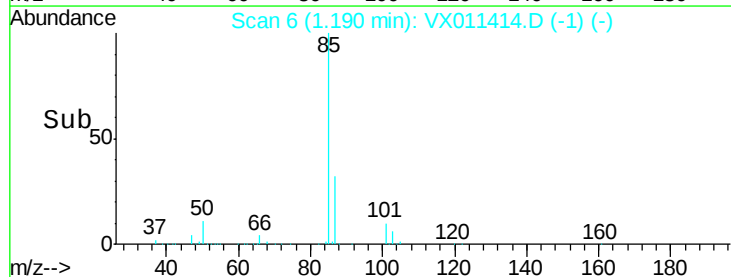
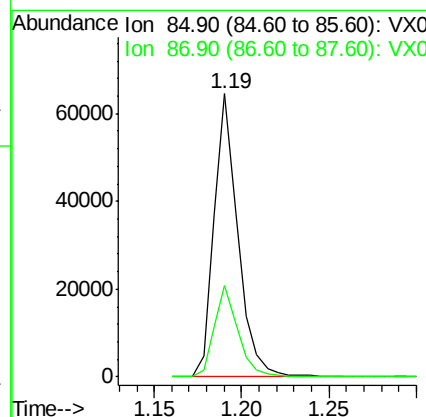
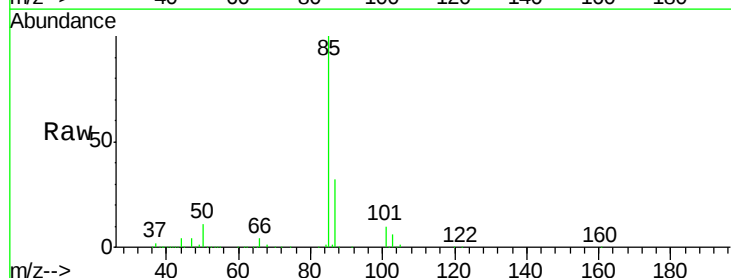
Manual Integrations
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#2
Dichlorodifluoromethane
Concen: 46.324 ug/l
RT: 1.19 min Scan# 6
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.4	49.1





#3

Chloromethane

Concen: 44.109 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 50 Resp: 65298

Ion Ratio Lower Upper

50 100

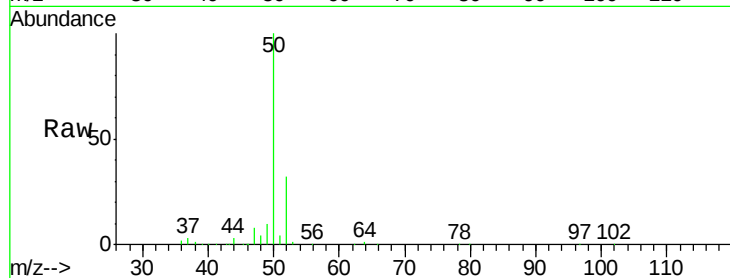
52 32.2 26.4 39.6

Manual Integrations

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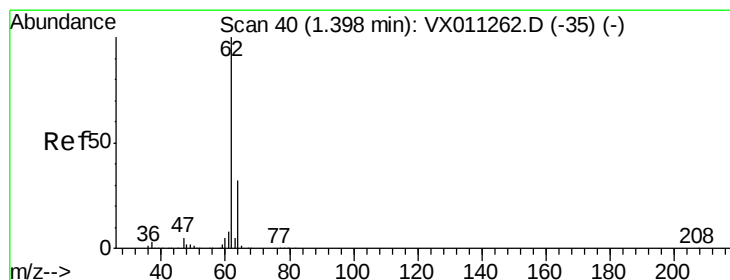
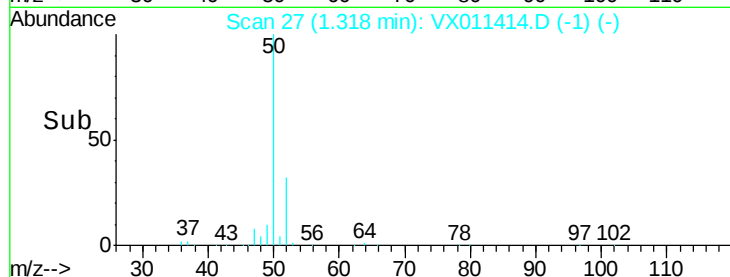
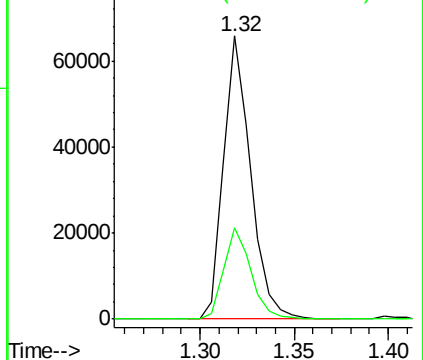
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.710 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011414.D

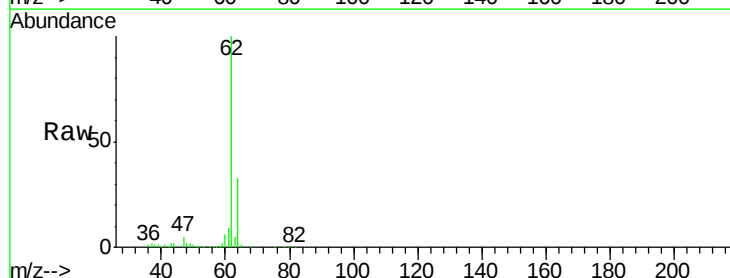
Acq: 09 Aug 2019 16:52

Tgt Ion: 62 Resp: 72804

Ion Ratio Lower Upper

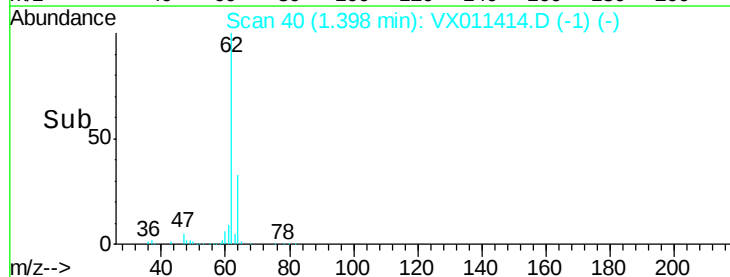
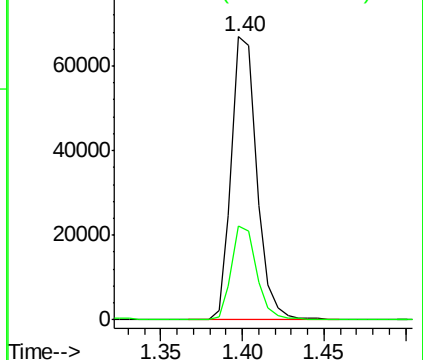
62 100

64 32.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.500 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 94 Resp: 49357

Ion Ratio Lower Upper

94 100

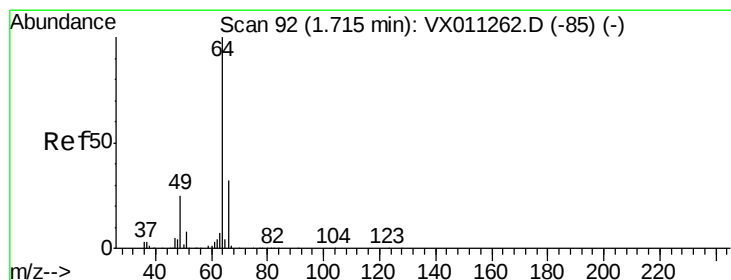
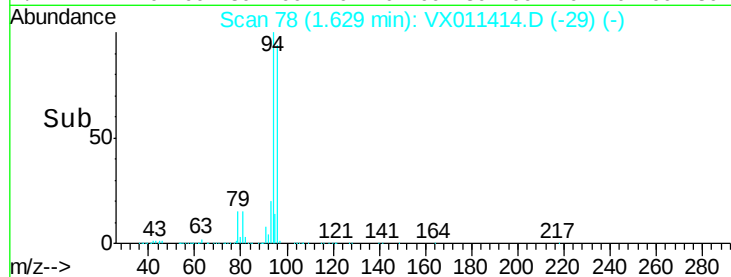
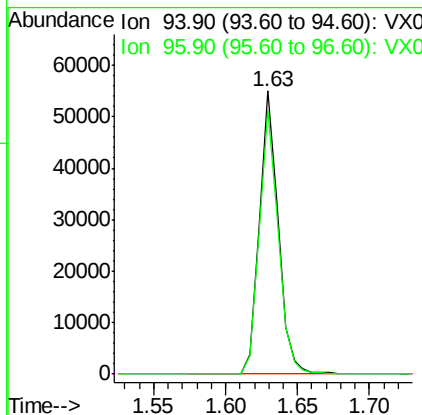
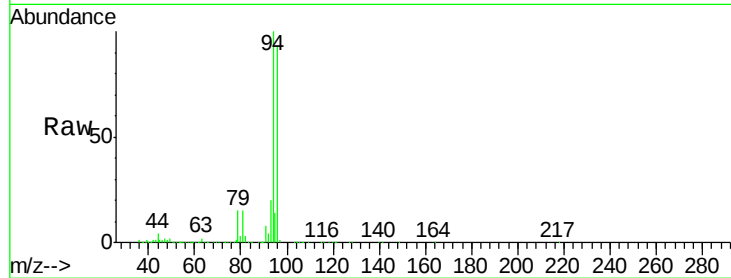
96 93.3 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 47.791 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011414.D

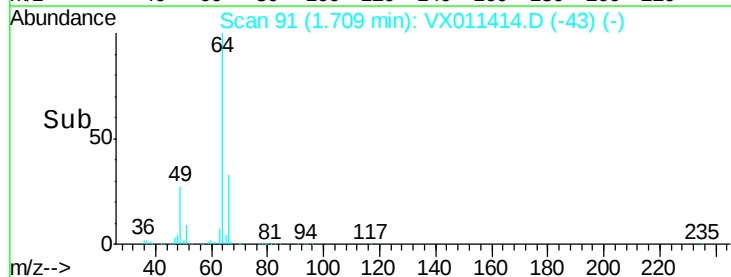
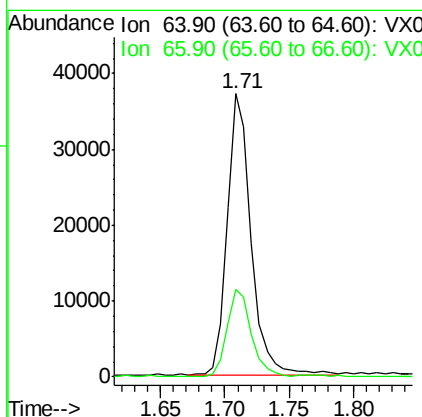
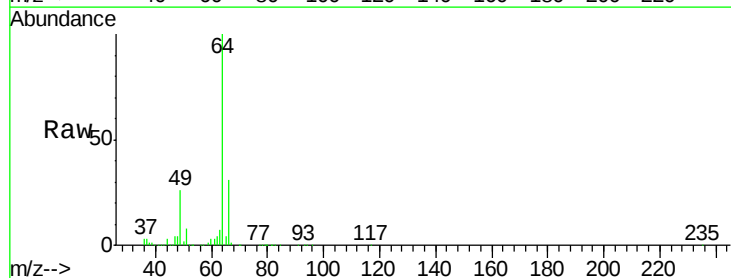
Acq: 09 Aug 2019 16:52

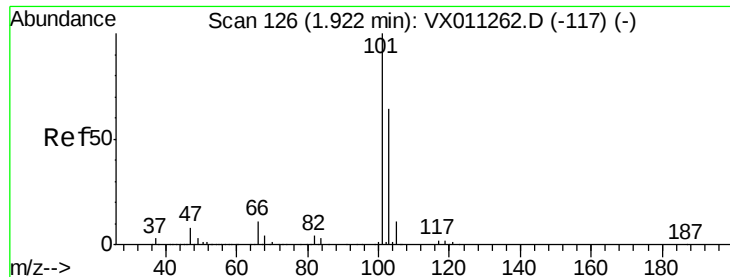
Tgt Ion: 64 Resp: 48296

Ion Ratio Lower Upper

64 100

66 31.1 25.1 37.7





#7

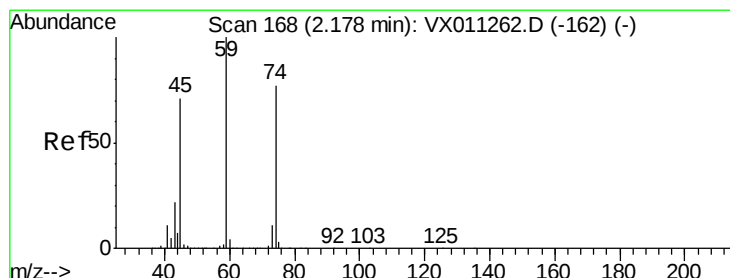
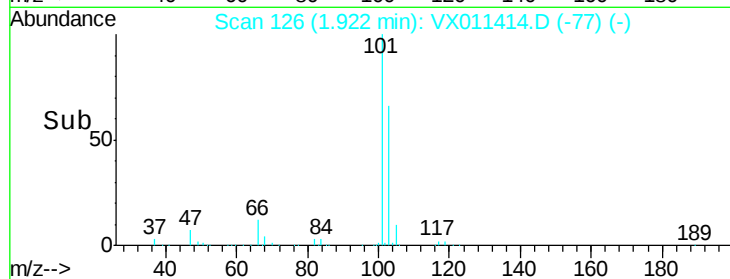
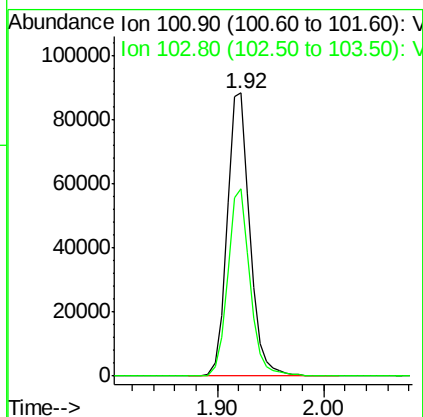
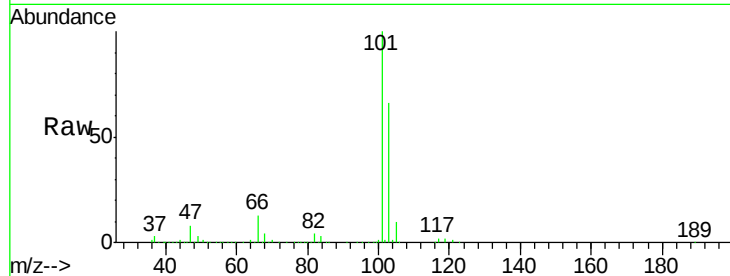
Trichlorofluoromethane
Concen: 45.477 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
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ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	131672		
103	66.3	50.9	76.3	

Manual Integrations
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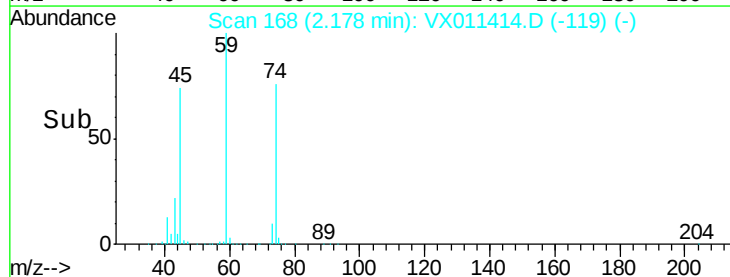
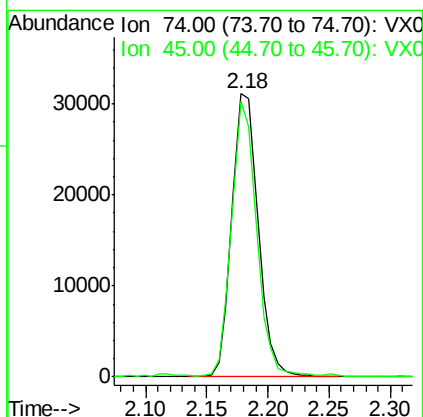
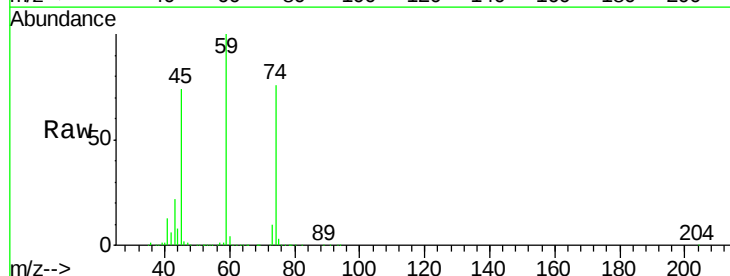
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#8

Diethyl Ether
Concen: 44.957 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46479		
45	91.0	46.1	138.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.500 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

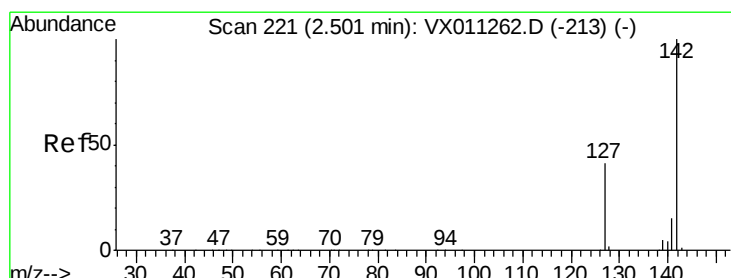
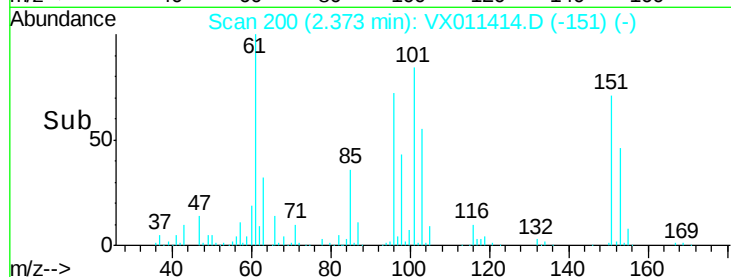
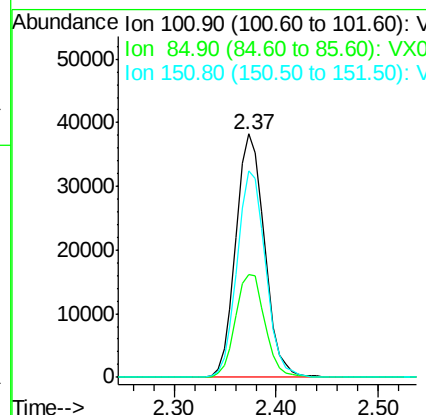
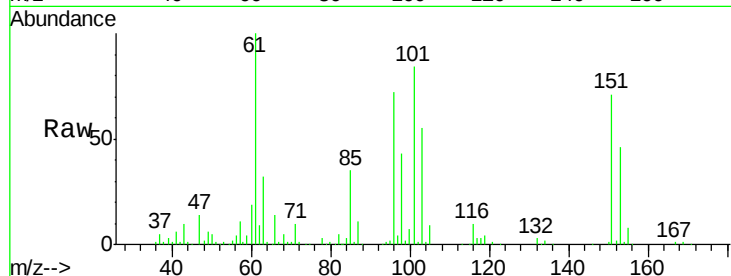
ClientSampleId :

K4779-05MSD

Tot Ion:	101	Resp:	74415
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.8	50.6
151	84.1	69.5	104.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.491 ug/l

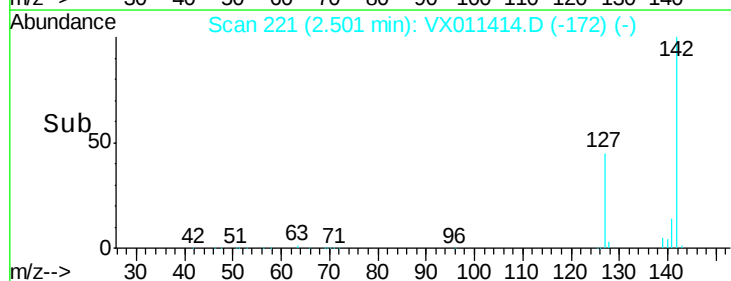
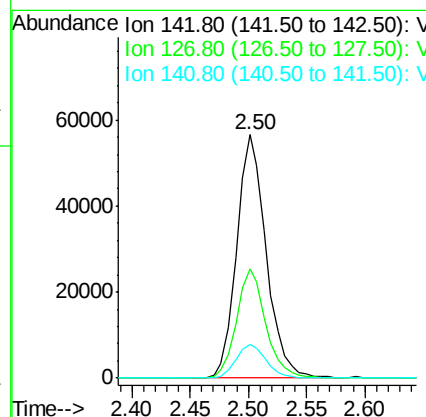
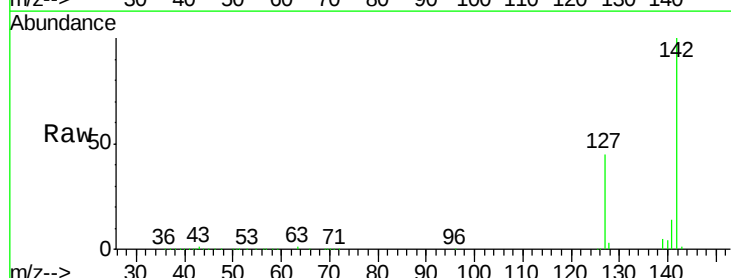
RT: 2.50 min Scan# 221

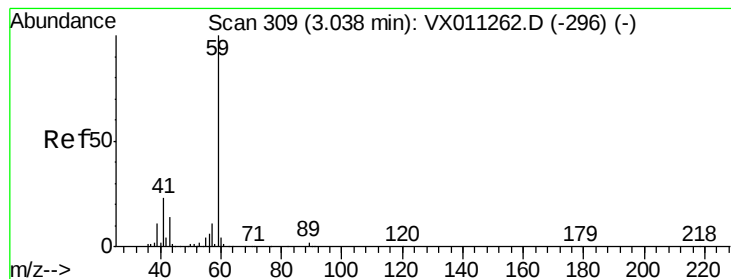
Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Tgt Ion:	142	Resp:	99725
Ion Ratio	Lower	Upper	
142	100		
127	44.4	33.8	50.8
141	14.3	11.4	17.2





#11

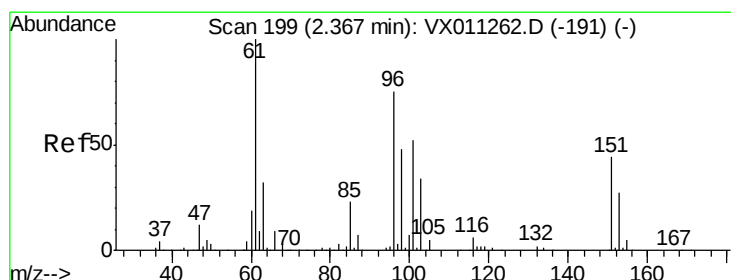
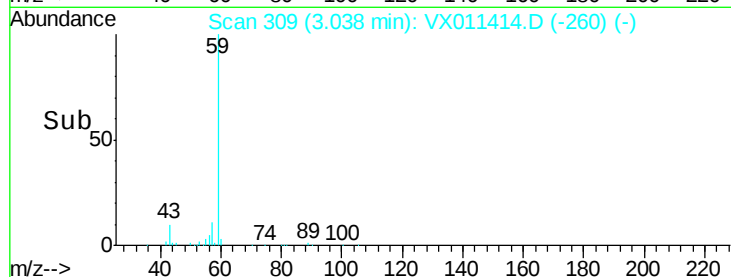
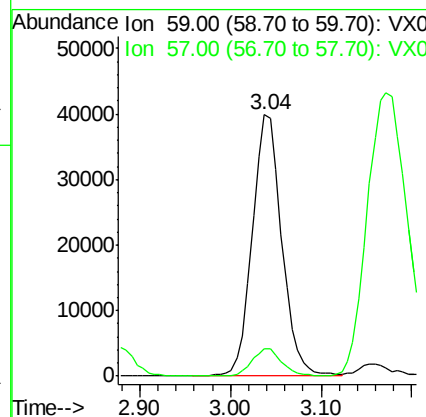
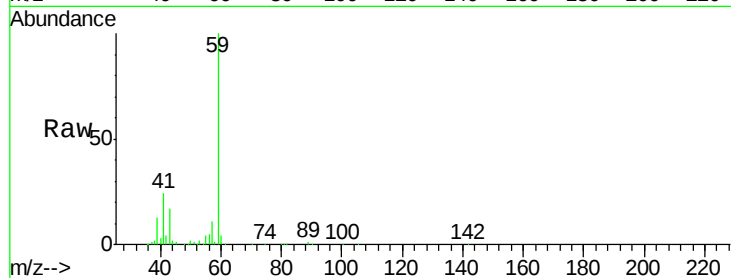
Tert butyl alcohol
Concen: 262.706 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

Manual Integrations
APPROVED

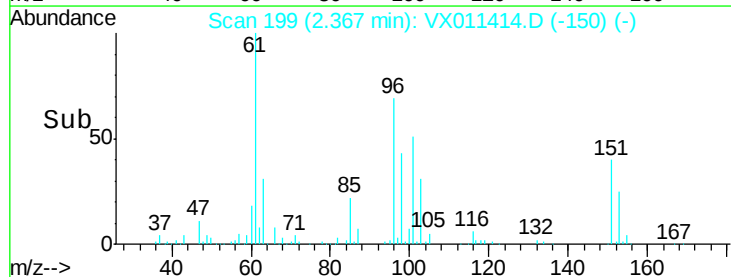
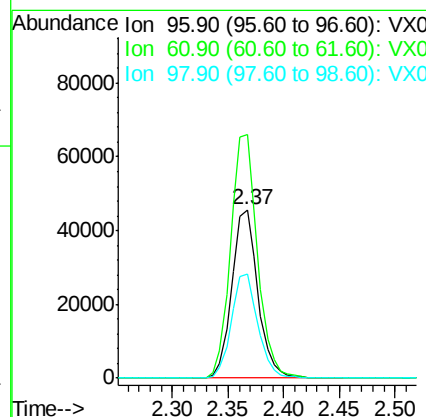
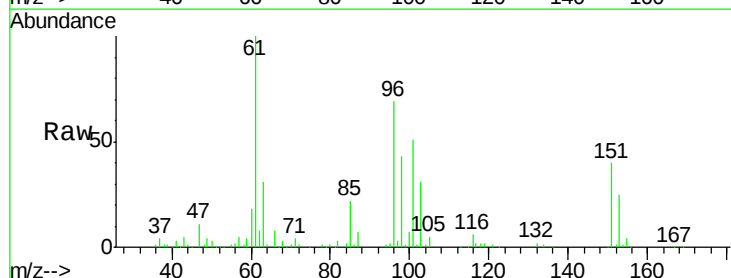
MMDadoda
8/12/2019 12:50:43 PM

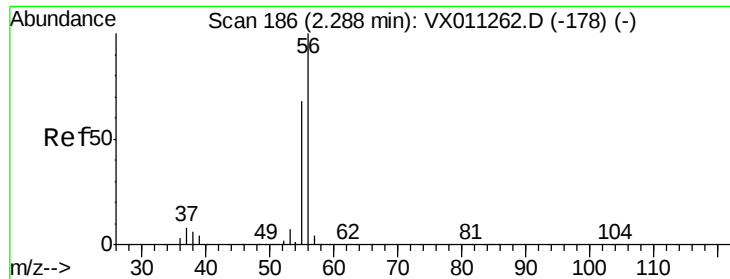


#12

1,1-Dichloroethene
Concen: 47.608 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.5	106.2	159.2
98	61.9	50.6	75.8





#13

Acrolein

Concen: 242.662 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 56 Resp: 51692

Ion Ratio Lower Upper

56 100

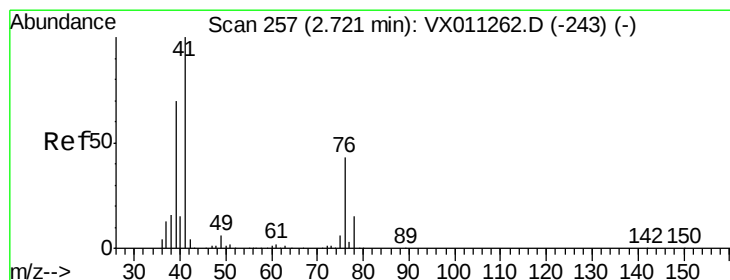
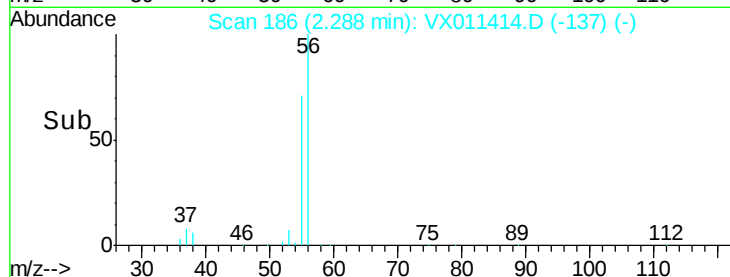
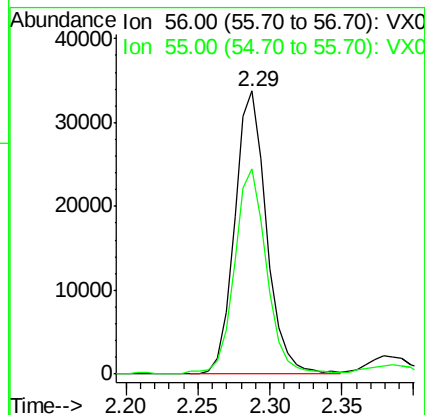
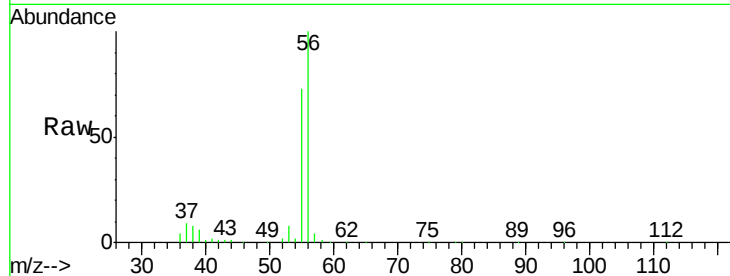
55 73.1 56.0 84.0

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 53.825 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

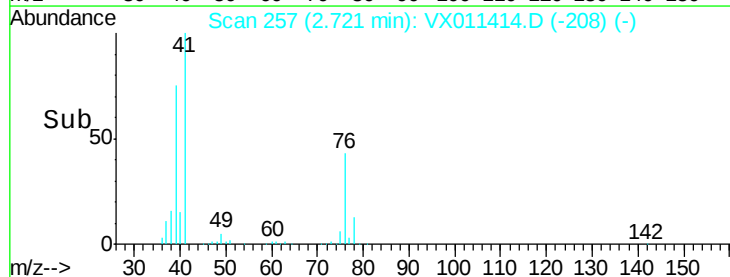
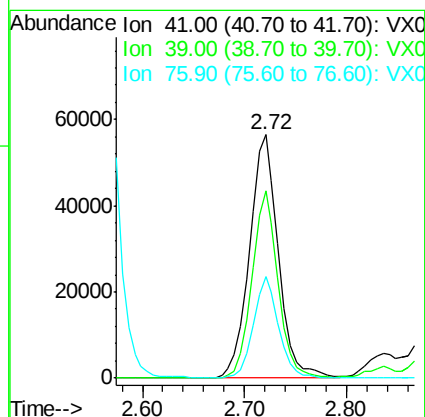
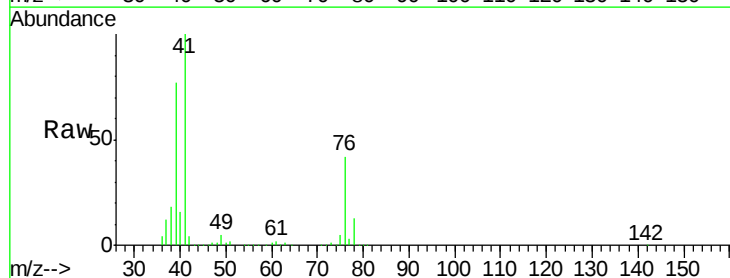
Tgt Ion: 41 Resp: 111433

Ion Ratio Lower Upper

41 100

39 69.8 52.8 79.2

76 36.6 31.1 46.7





#15

Acrylonitrile

Concen: 270.106 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

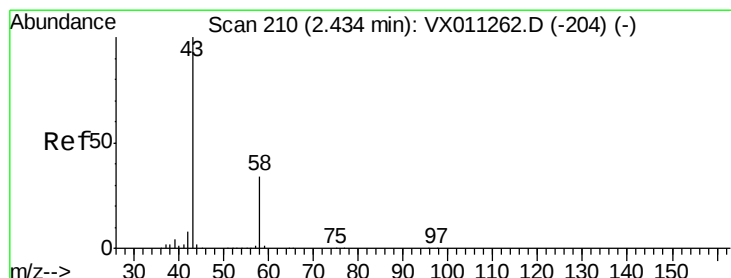
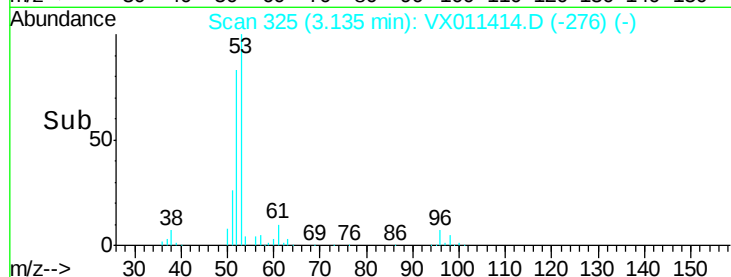
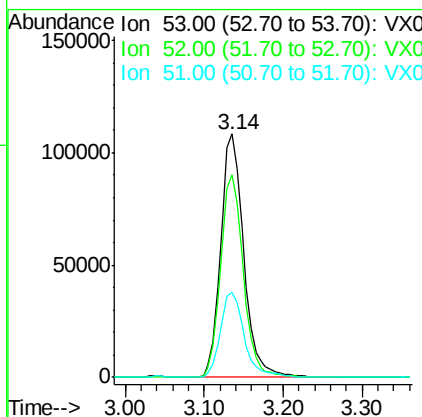
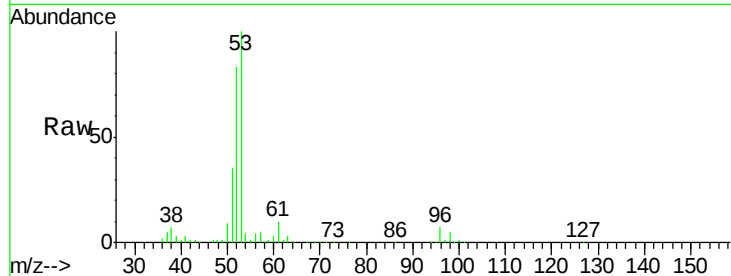
ClientSampleId :

K4779-05MSD

Tot Ion:	53	Resp:	220929
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.5	98.3
51	36.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 228.714 ug/l

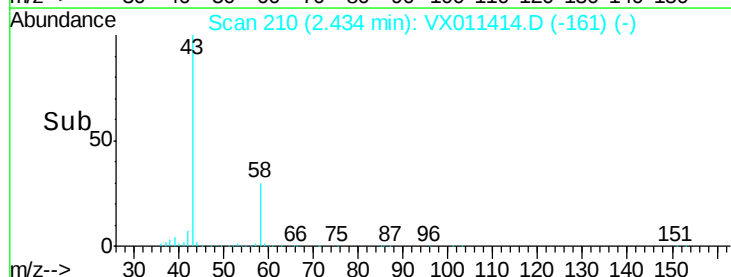
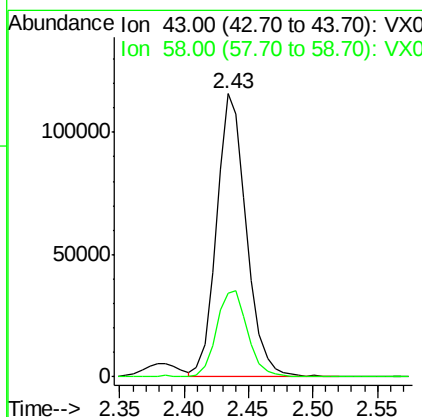
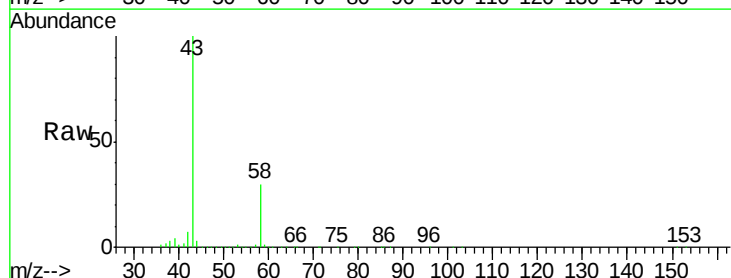
RT: 2.43 min Scan# 210

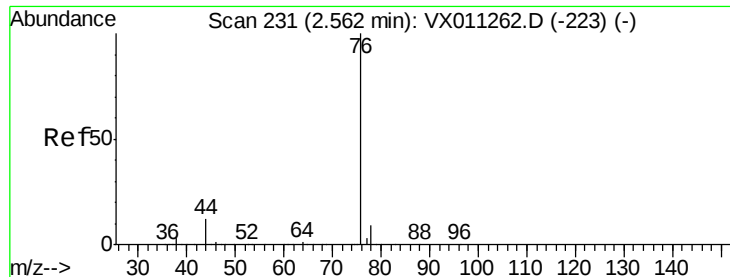
Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Tgt Ion:	43	Resp:	187123
Ion Ratio	Lower	Upper	
43	100		
58	29.5	27.4	41.0





#17

Carbon Disulfide

Concen: 46.211 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 76 Resp: 168403

Ion Ratio Lower Upper

76 100

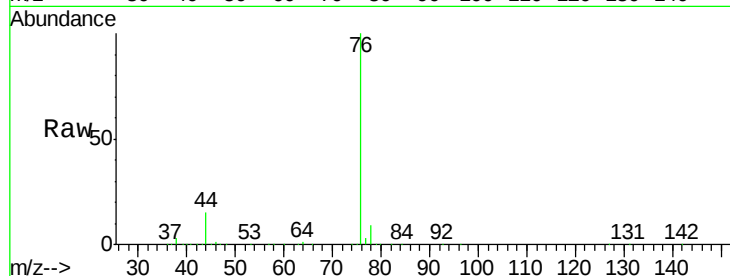
78 9.4 7.4 11.0

Manual Integrations

APPROVED

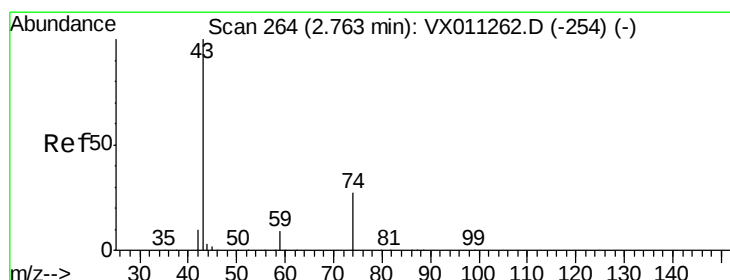
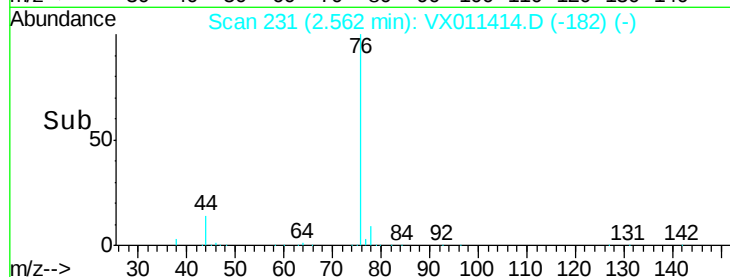
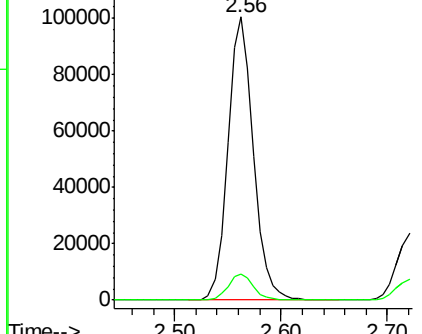
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 55.324 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011414.D

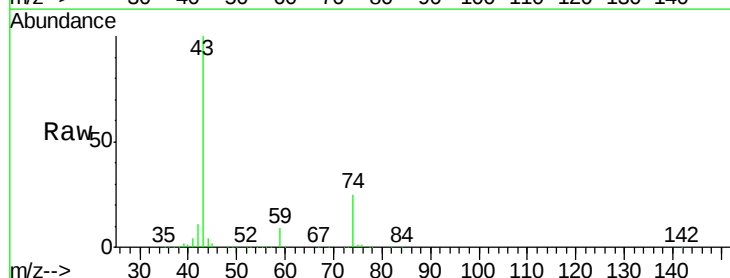
Acq: 09 Aug 2019 16:52

Tgt Ion: 43 Resp: 103439

Ion Ratio Lower Upper

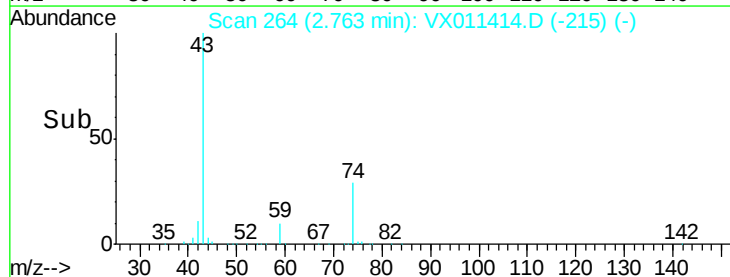
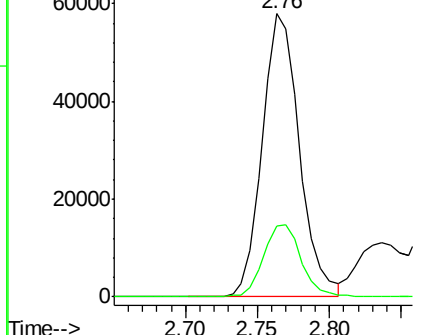
43 100

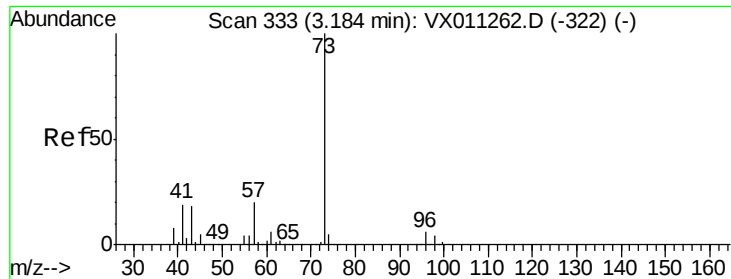
74 25.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





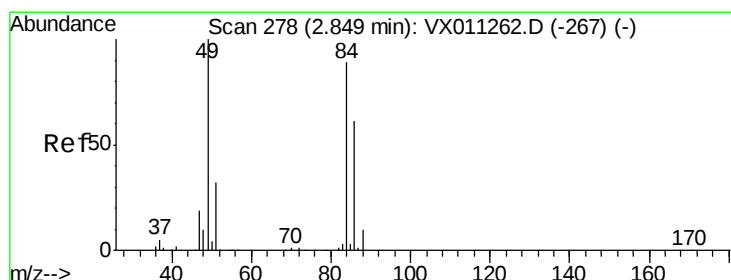
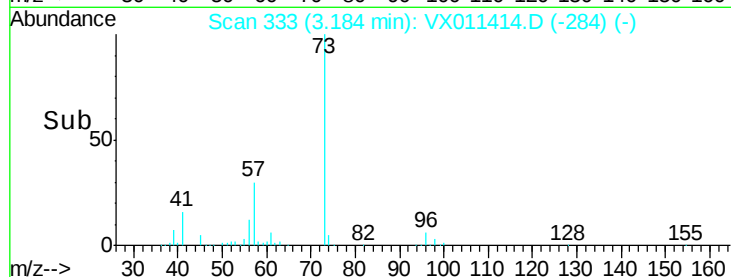
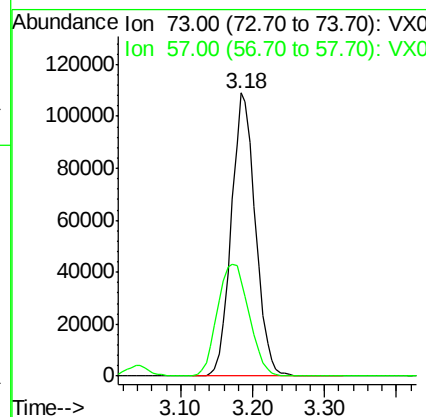
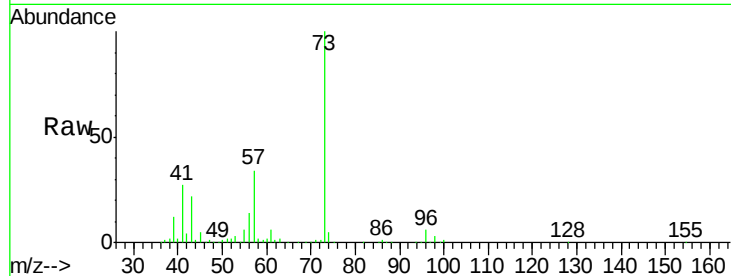
#19
Methyl tert-butyl Ether
Concen: 55.254 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	33.6	16.2	24.2#

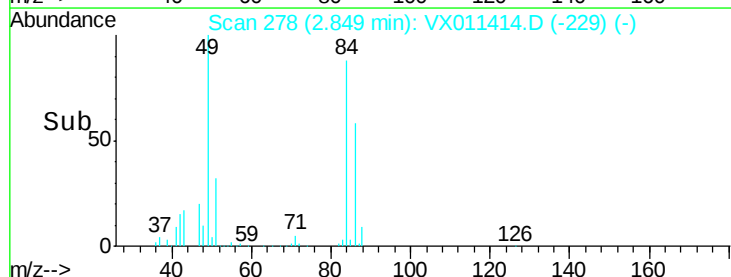
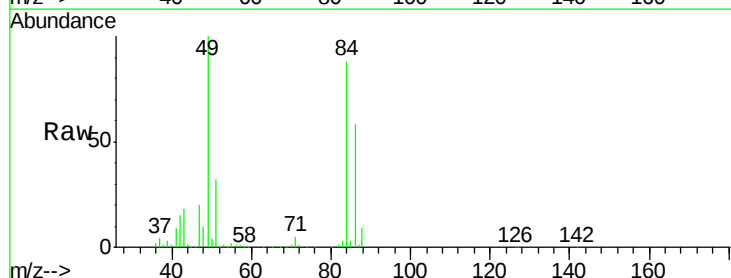
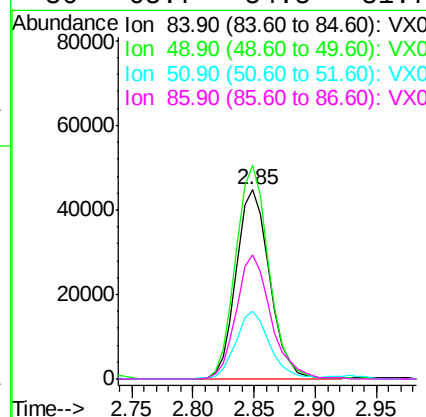
Manual Integrations
APPROVED

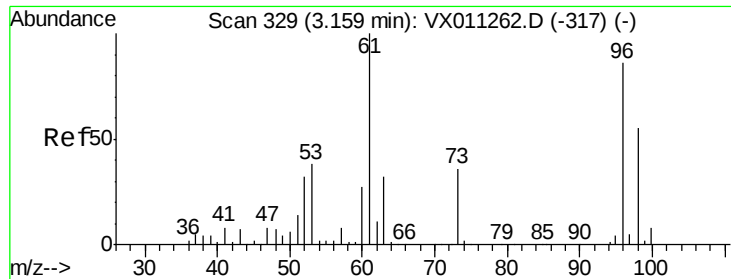
MMDadoda
8/12/2019 12:50:43 PM



#20
Methylene Chloride
Concen: 47.538 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.9	89.3	133.9
51	35.7	28.3	42.5
86	65.7	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 48.698 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampled :

K4779-05MSD

Tot Ion: 96 Resp: 79998

Ion Ratio Lower Upper

96 100

61 132.0 92.8 139.2

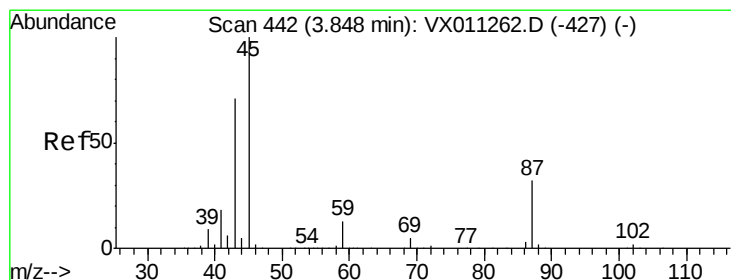
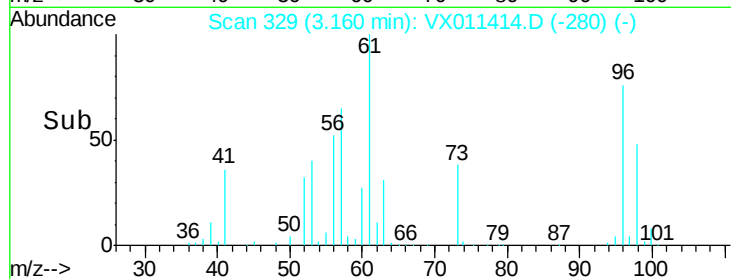
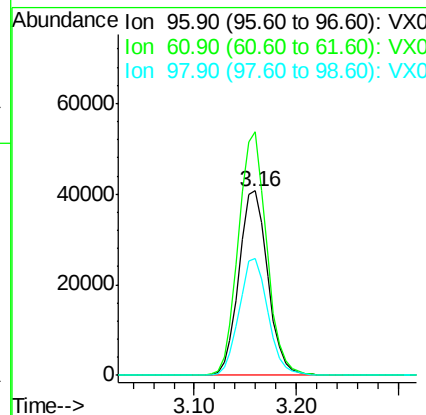
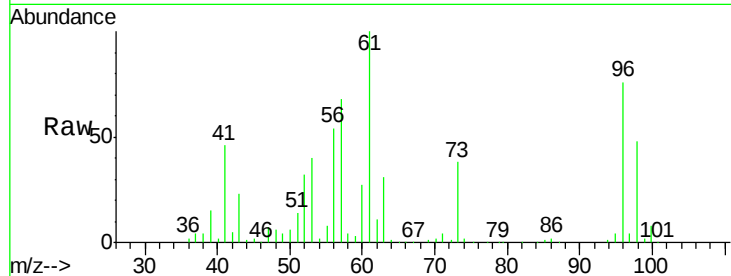
98 63.4 51.2 76.8

Manual Integrations

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8/12/2019 12:50:43 PM



#22

Diisopropyl ether

Concen: 53.306 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Tgt Ion: 45 Resp: 242550

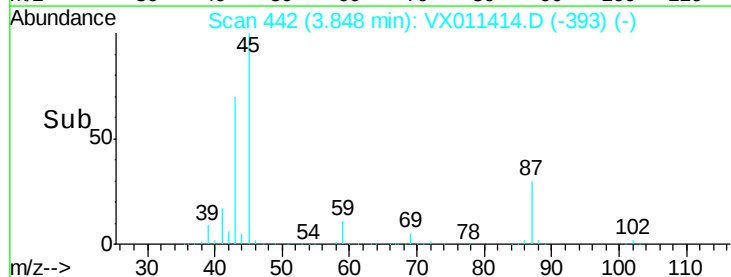
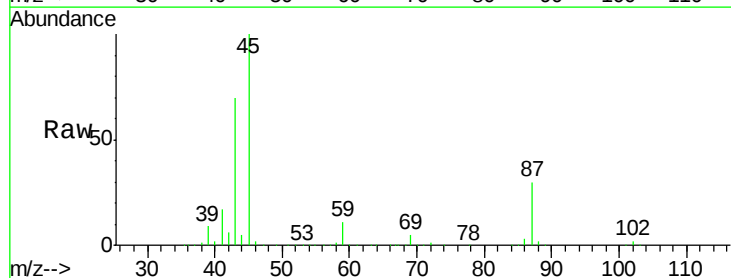
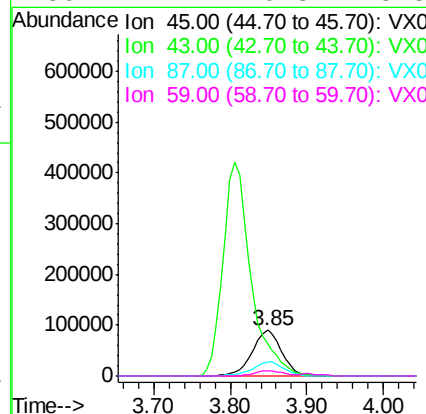
Ion Ratio Lower Upper

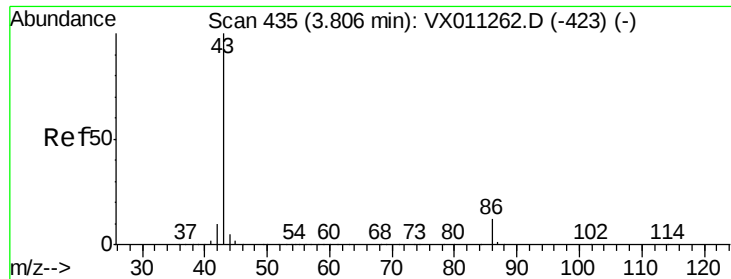
45 100

43 70.1 56.8 85.2

87 30.4 25.8 38.6

59 11.4 10.3 15.5





#23

Vinyl Acetate

Concen: 284.510 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 43 Resp: 1073720

Ion Ratio Lower Upper

43 100

86 11.0

9.6

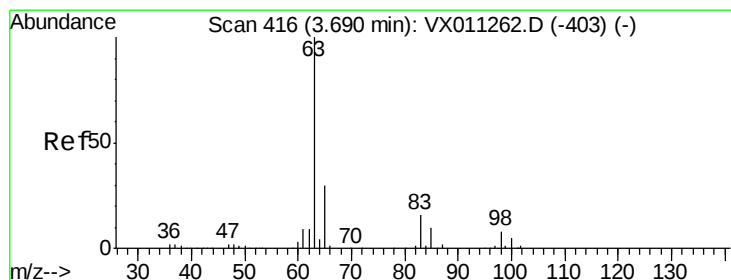
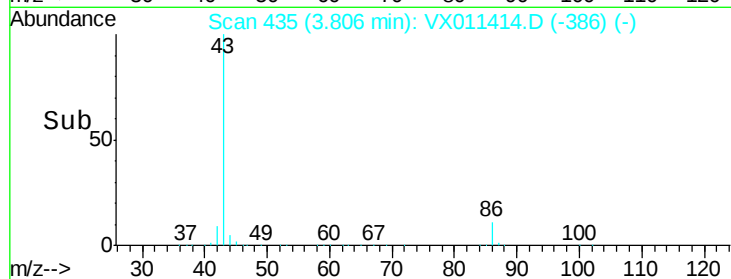
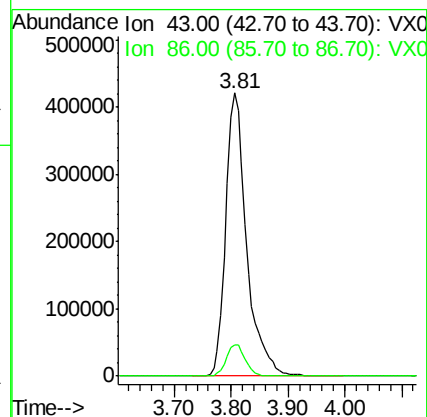
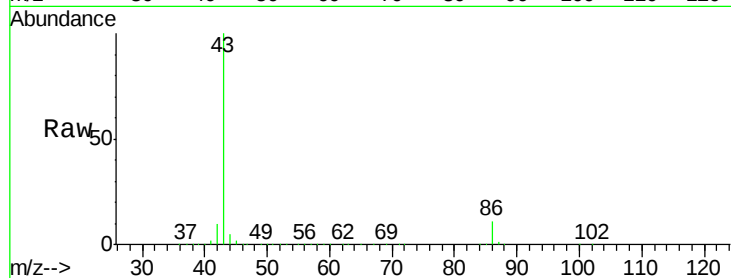
14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.162 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Tgt Ion: 63 Resp: 139952

Ion Ratio Lower Upper

63 100

98 7.3

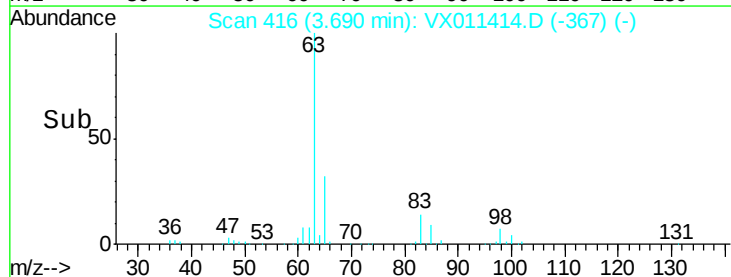
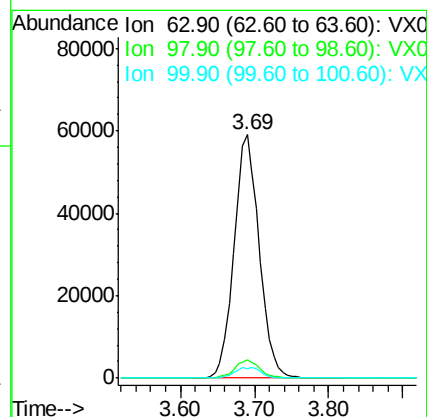
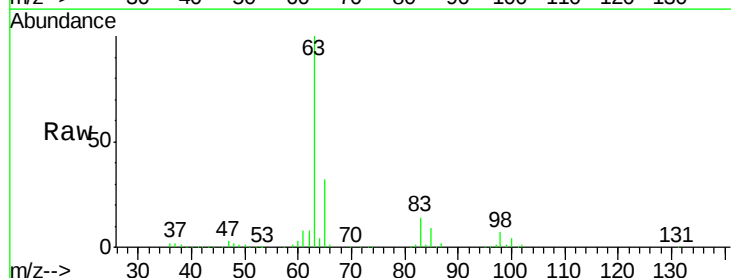
3.9

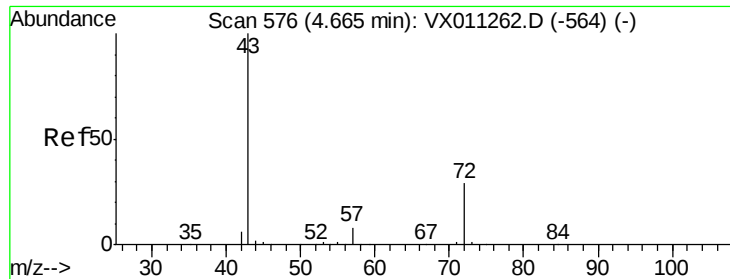
11.5

100 4.0

2.7

8.1





#25

2-Butanone

Concen: 263.153 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 43 Resp: 306264

Ion Ratio Lower Upper

43 100

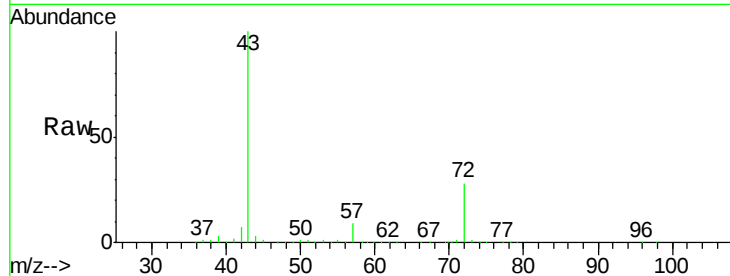
72 27.8 23.2 34.8

Manual Integrations

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8/12/2019 12:50:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

0

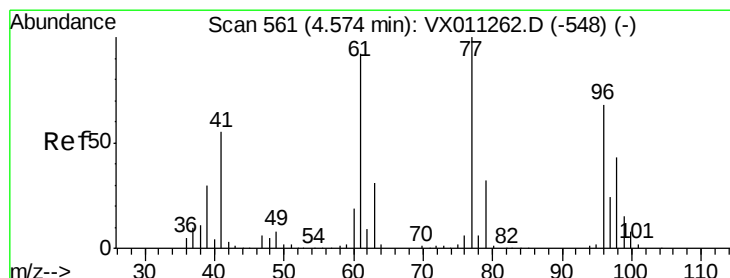
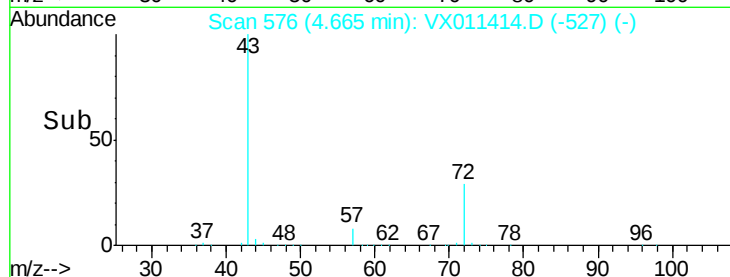
4.67

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.714 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011414.D

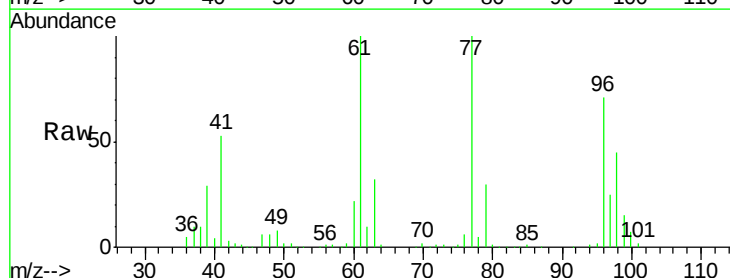
Acq: 09 Aug 2019 16:52

Tgt Ion: 77 Resp: 107858

Ion Ratio Lower Upper

77 100

97 24.3 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

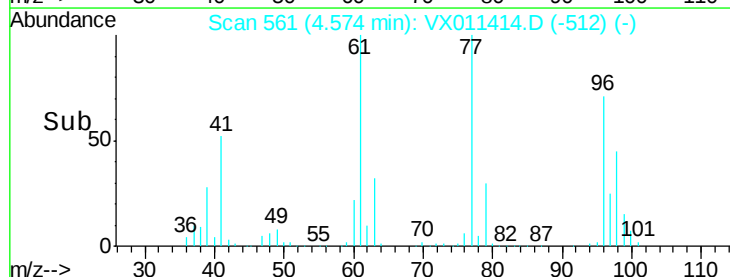
4.57

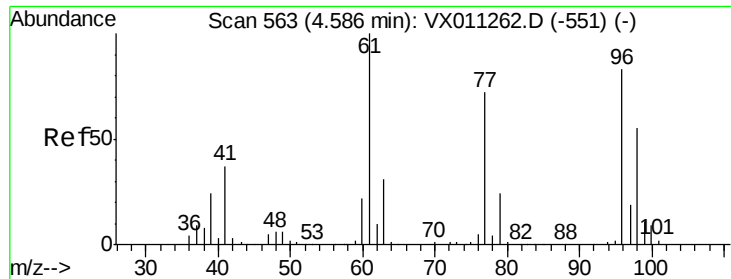
4.50

4.60

4.70

Time-->





#27

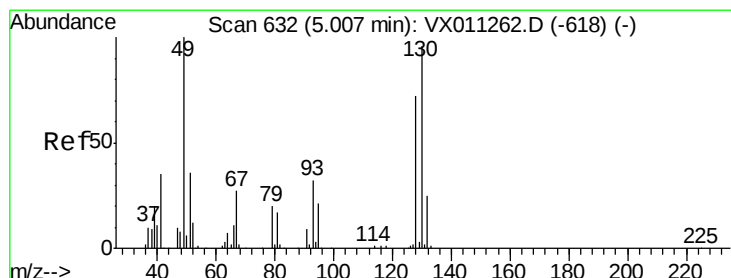
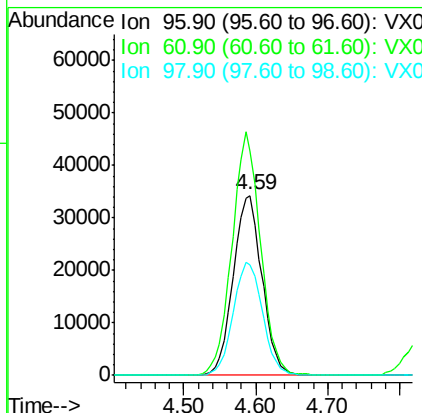
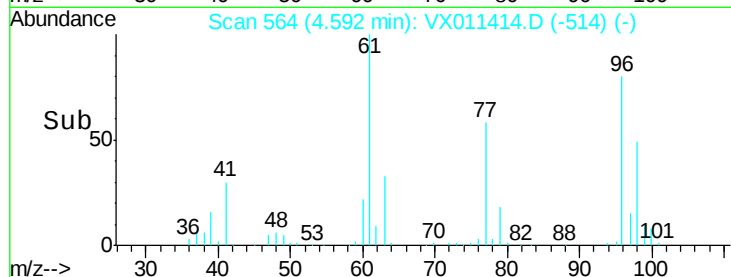
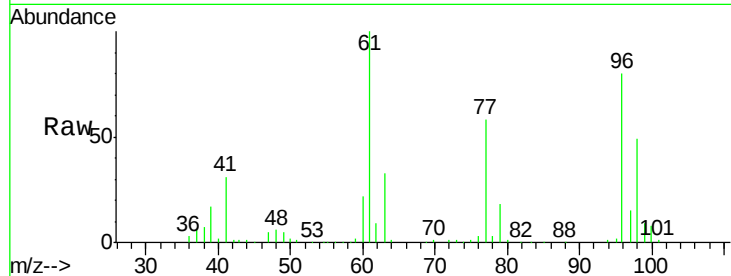
cis-1,2-Dichloroethene
Concen: 50.294 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	260.2
98	63.9	0.0	133.2

Manual Integrations
APPROVED

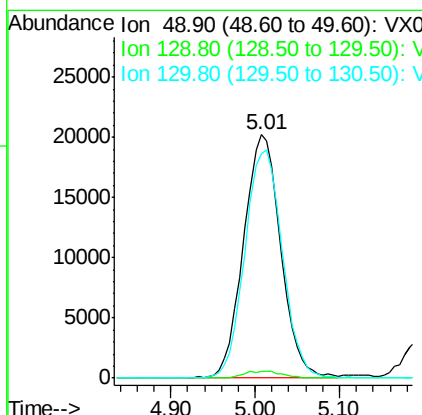
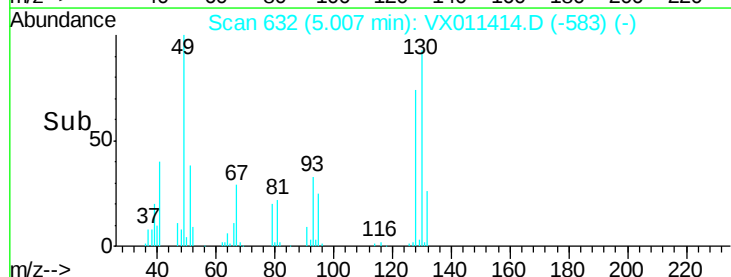
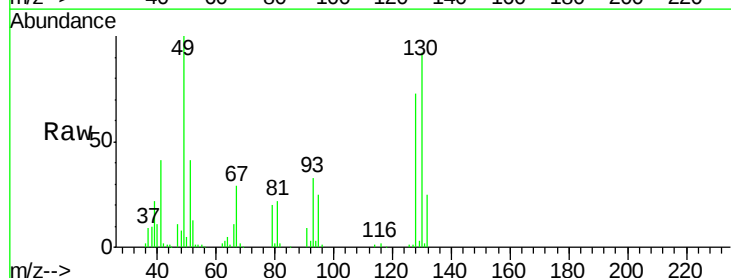
MMDadoda
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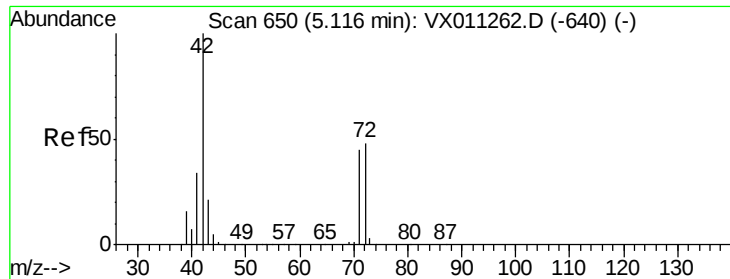


#28

Bromochloromethane
Concen: 49.588 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.8
130	94.6	77.9	116.9





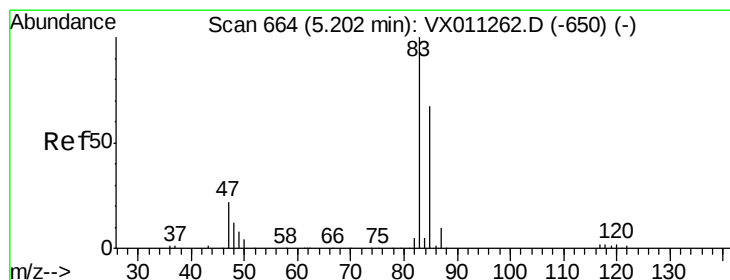
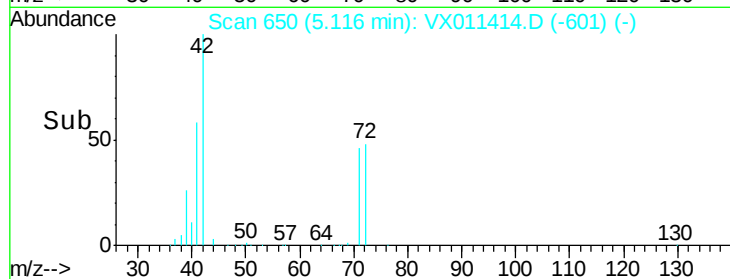
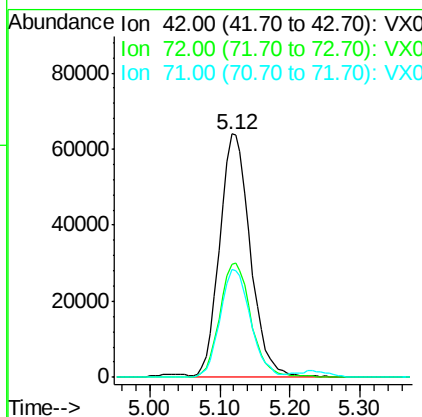
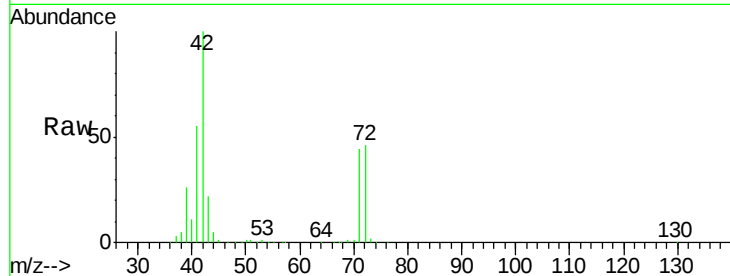
#29
Tetrahydrofuran
Concen: 271.809 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	39.9	59.9
71	44.3	36.9	55.3

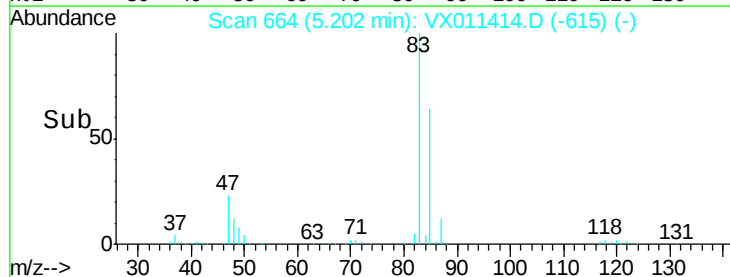
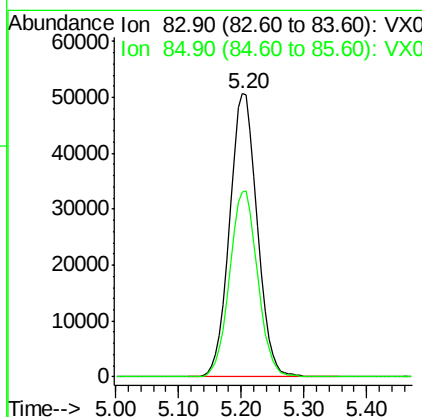
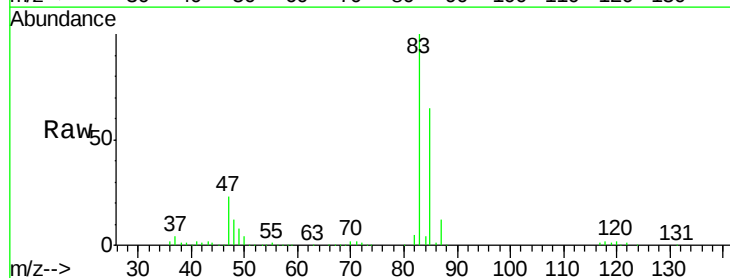
Manual Integrations
APPROVED

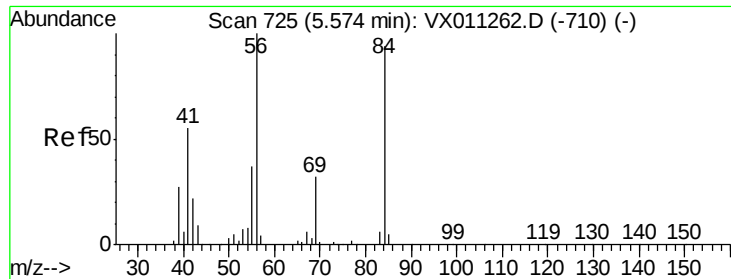
MMDadoda
8/12/2019 12:50:43 PM



#30
Chloroform
Concen: 53.037 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.4	80.0





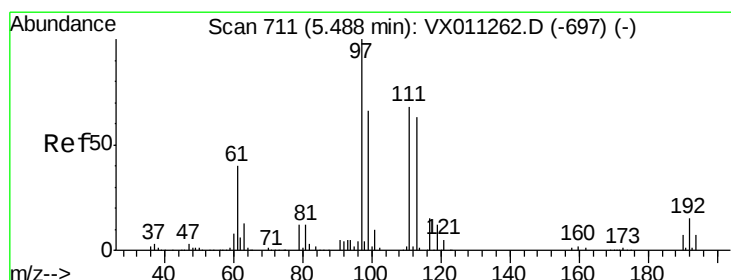
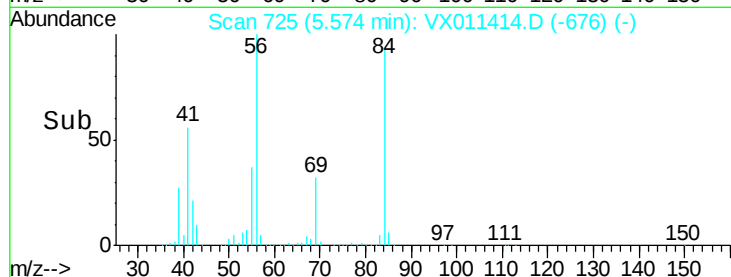
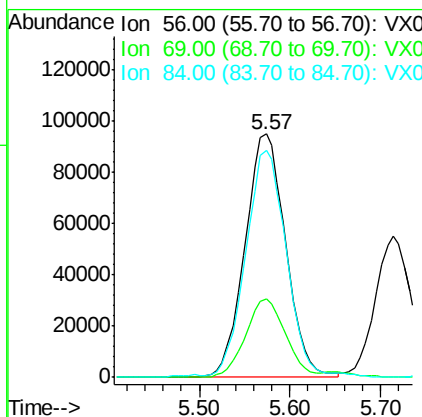
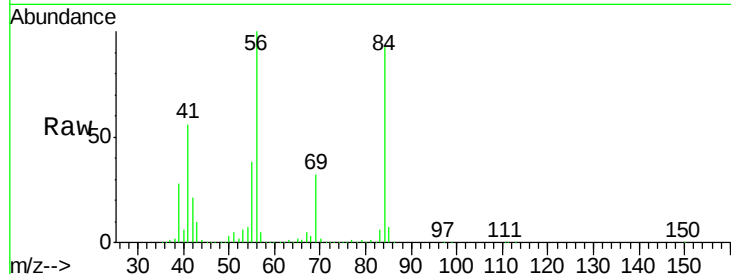
#31
Cyclohexane
Concen: 133.235 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.5	38.3
84	92.4	75.0	112.4

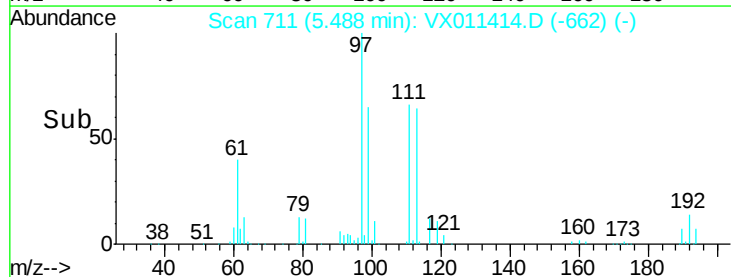
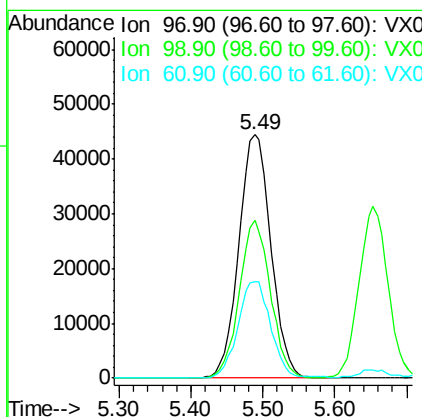
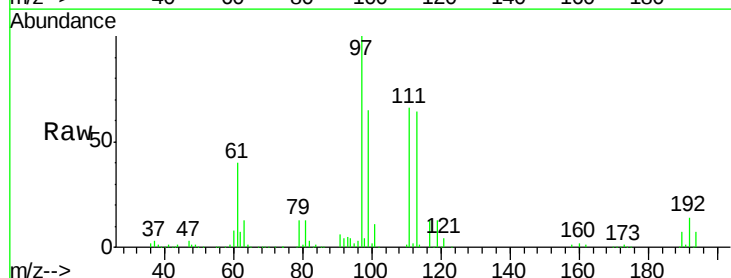
Manual Integrations
APPROVED

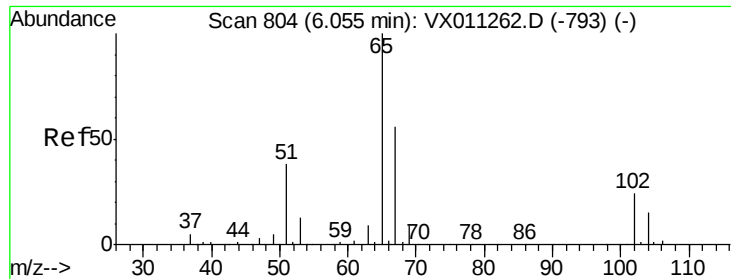
MMDadoda
8/12/2019 12:50:43 PM



#32
1,1,1-Trichloroethane
Concen: 55.094 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.6	77.4
61	40.9	32.3	48.5





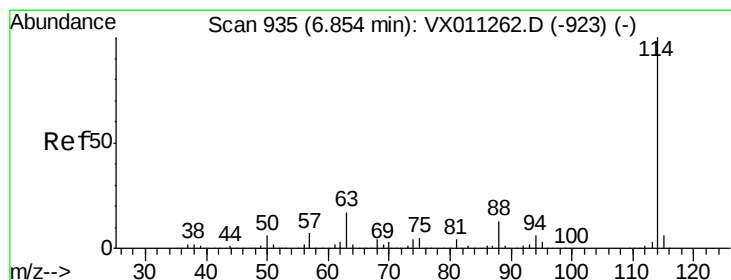
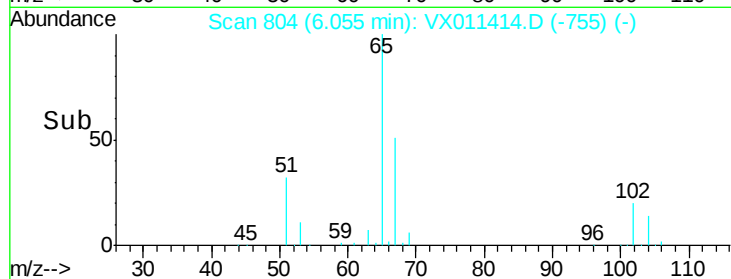
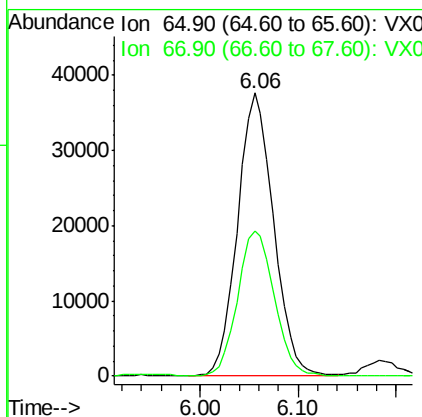
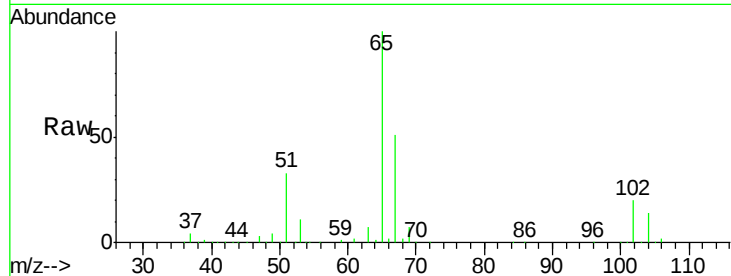
#33
 1,2-Dichloroethane-d4
 Concen: 55.985 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	96231		
67	52.5	0.0	110.6	

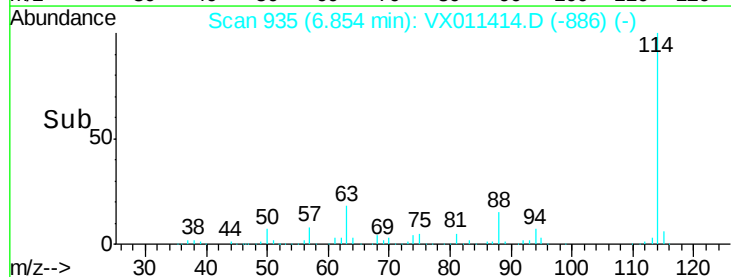
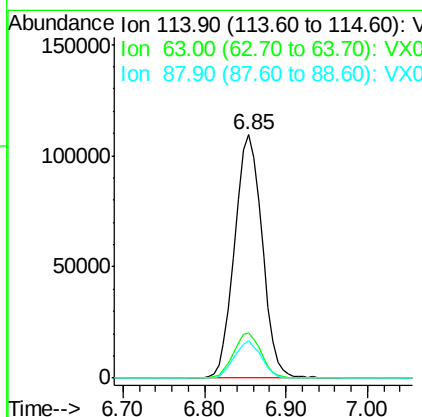
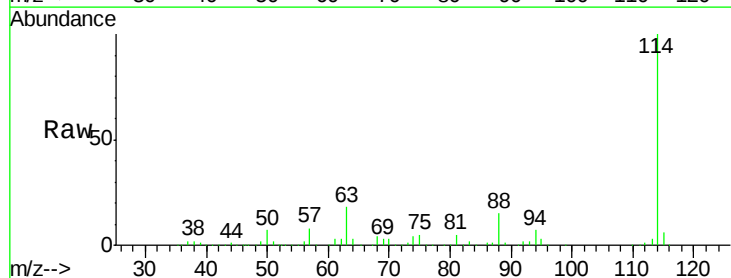
Manual Integrations
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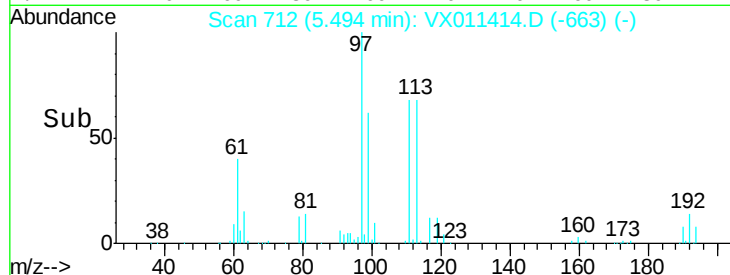
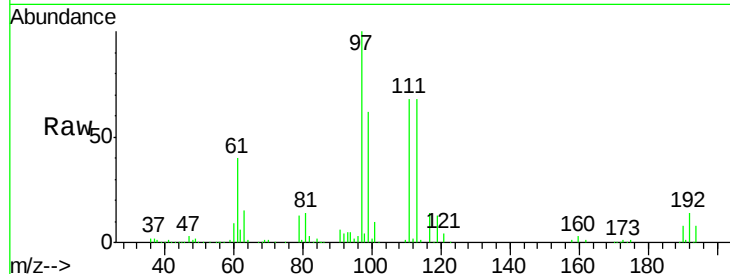
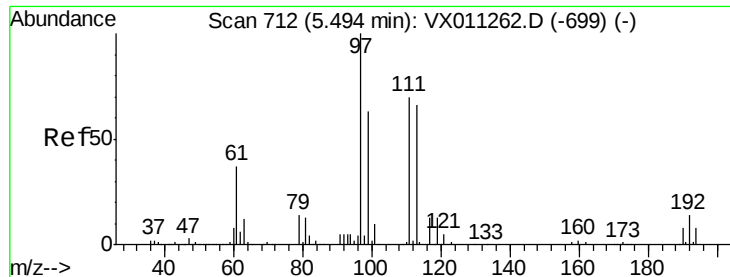
MMDadoda
 8/12/2019 12:50:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	255629		
63	18.5	0.0	34.0	
88	15.2	0.0	26.4	





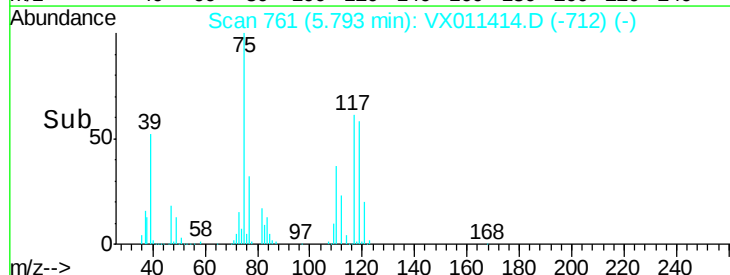
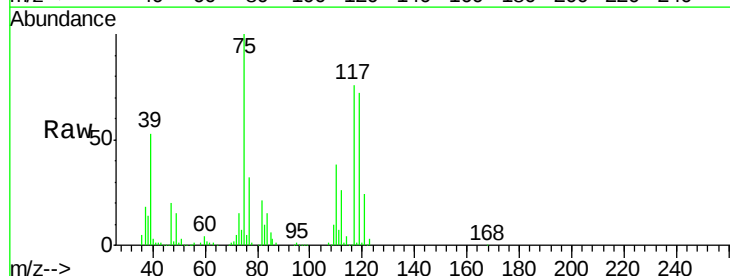
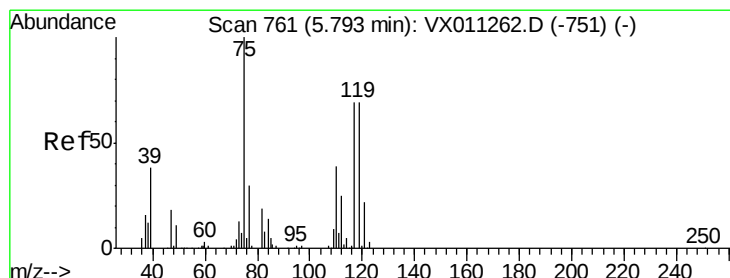
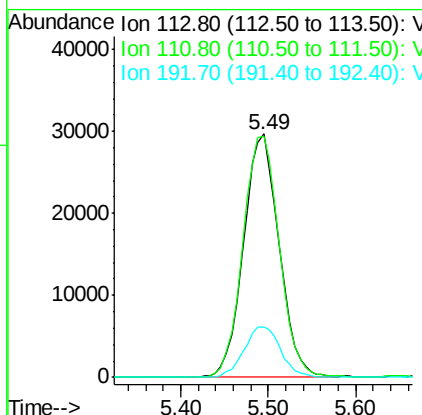
#35
Dibromofluoromethane
Concen: 50.187 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tot Ion	Ratio	Resp	Lower	Upper
113	100	83760		
111	102.0		81.9	122.9
192	21.3		17.8	26.8

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

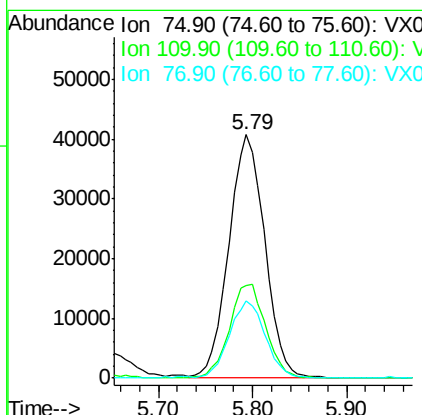
Manual Integrations
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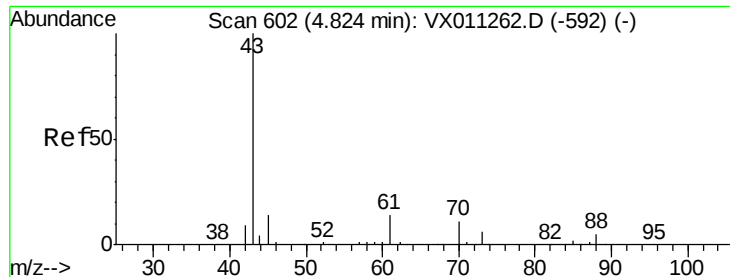
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8/12/2019 12:50:43 PM



#36
1,1-Dichloropropene
Concen: 48.366 ug/l
RT: 5.79 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	107946		
110	39.2		20.0	59.9
77	32.4		24.8	37.2





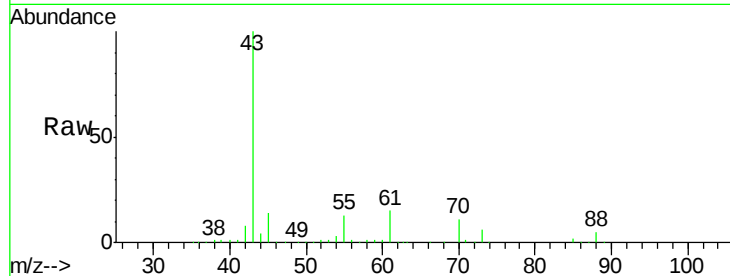
#37
Ethyl Acetate
Concen: 52.243 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

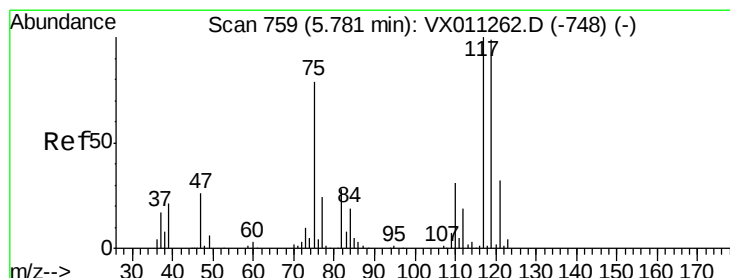
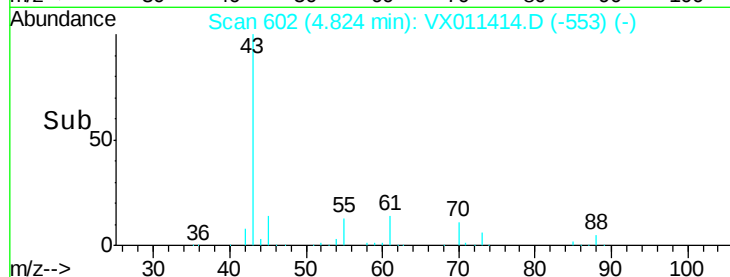
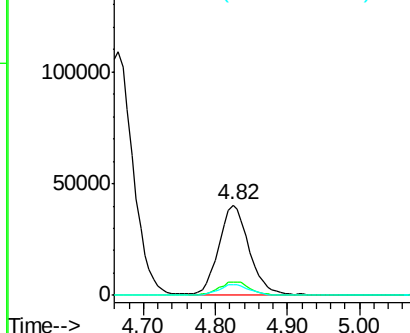
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.6	18.8
70	11.8	9.1	13.7

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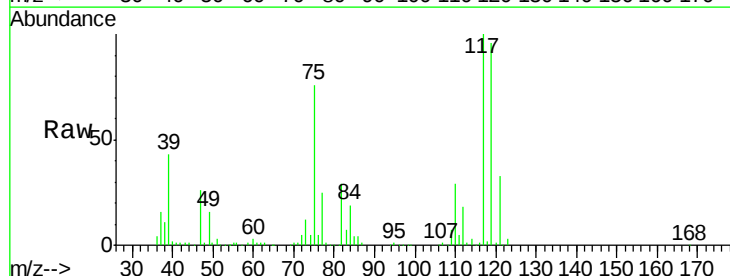


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

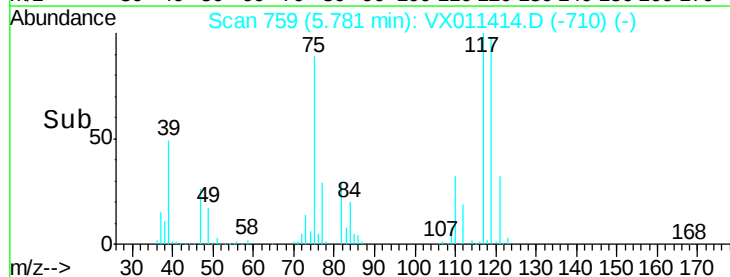
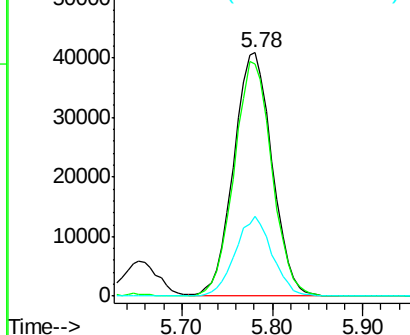


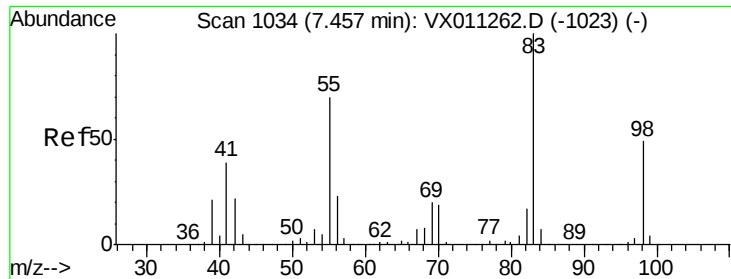
#38
Carbon Tetrachloride
Concen: 53.488 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	79.0	118.4
121	32.5	25.9	38.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





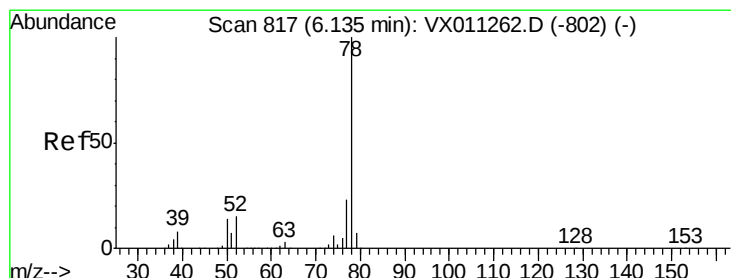
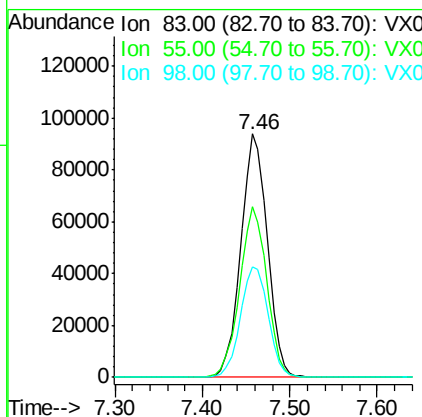
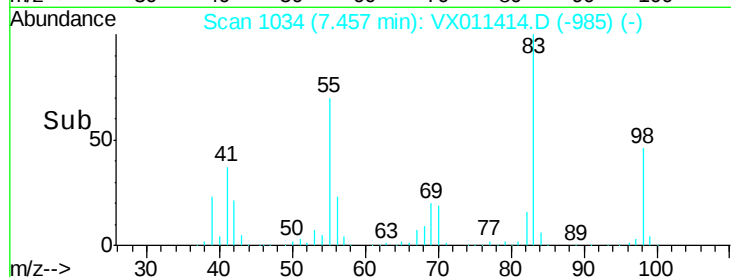
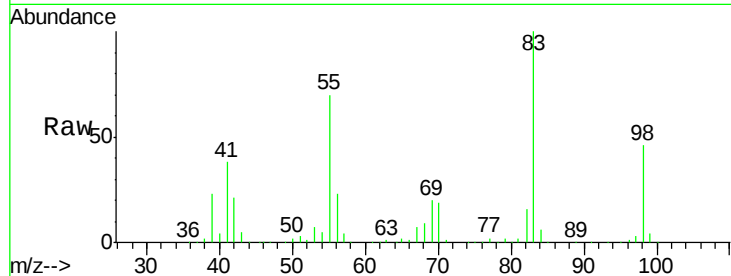
#39
Methvlcvclohexane
Concen: 74.686 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	69.8	56.1	84.1	
98	45.6	39.0	58.4	

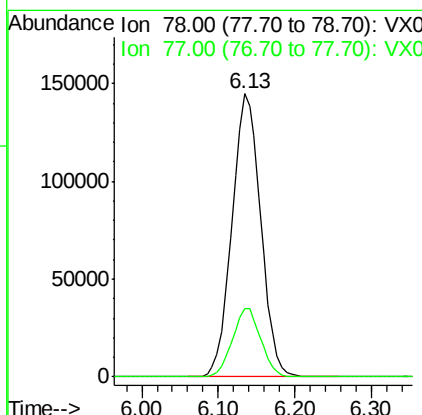
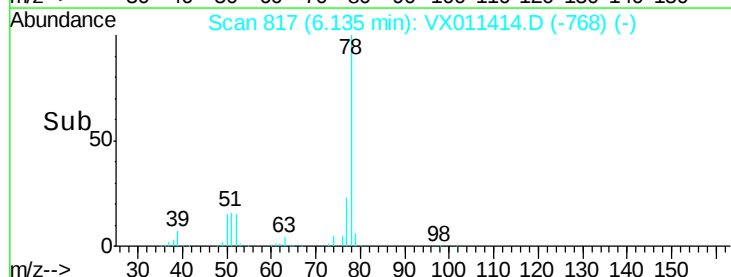
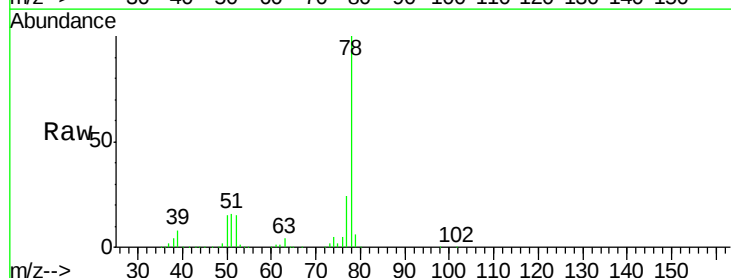
Manual Integrations
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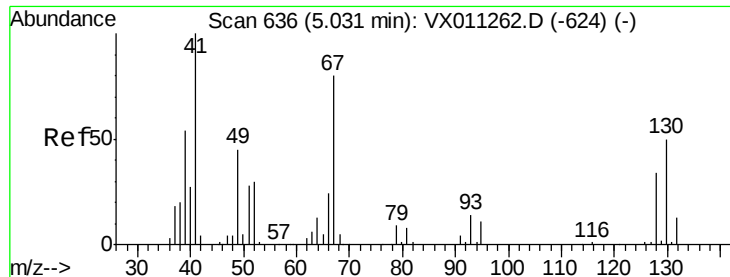
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#40
Benzene
Concen: 56.476 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	18.2	27.2	





#41

Methacrylonitrile

Concen: 52.787 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

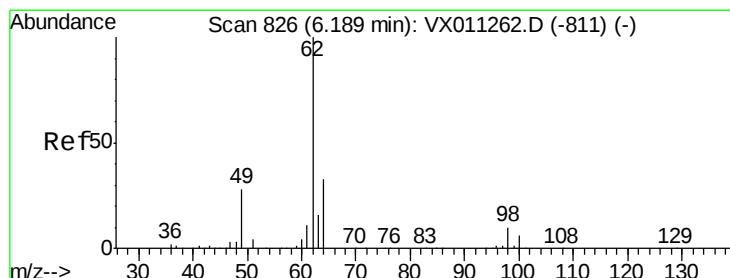
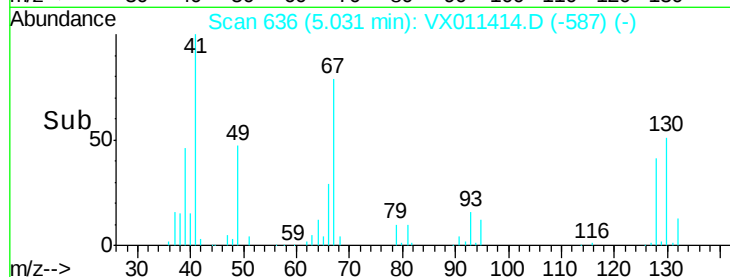
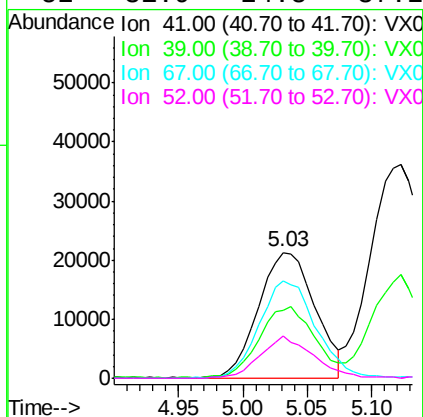
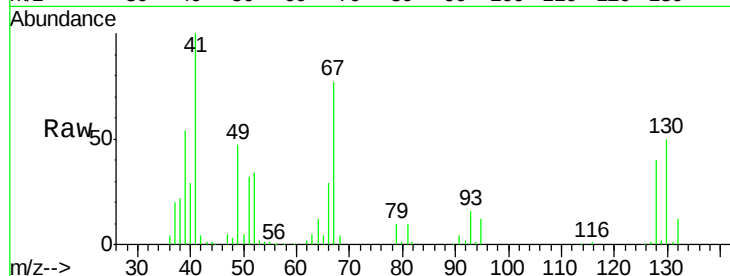
ClientSampleId :

K4779-05MSD

Tot Ion:	41	Resp:	64540
Ion	Ratio	Lower	Upper
41	100		
39	56.4	43.0	64.6
67	78.4	65.1	97.7
52	31.9	24.8	37.2

Manual Integrations
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8/12/2019 12:50:43 PM



#42

1,2-Dichloroethane

Concen: 54.914 ug/l

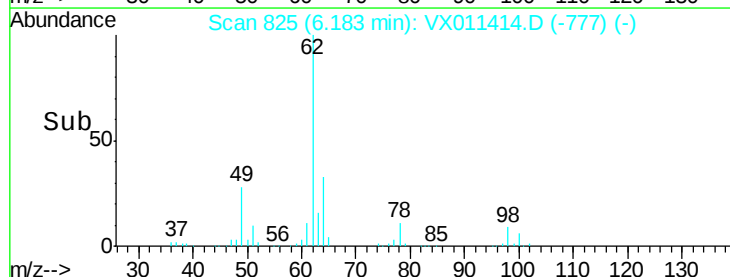
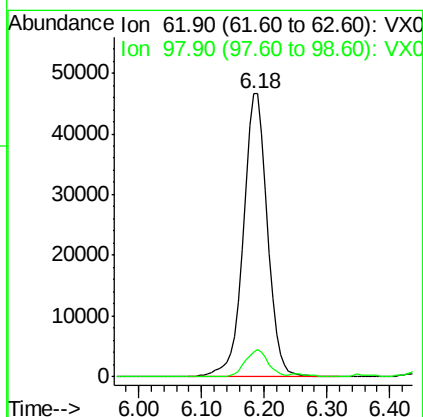
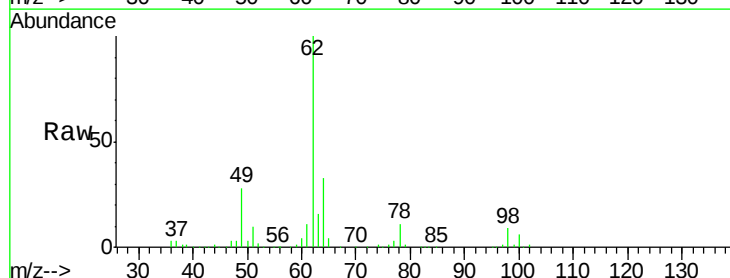
RT: 6.18 min Scan# 825

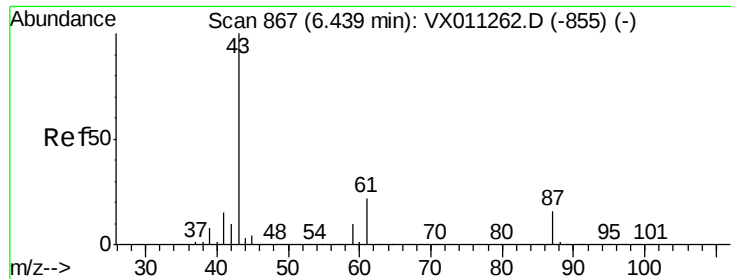
Delta R.T. -0.01 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Tgt Ion:	62	Resp:	123672
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.6





#43

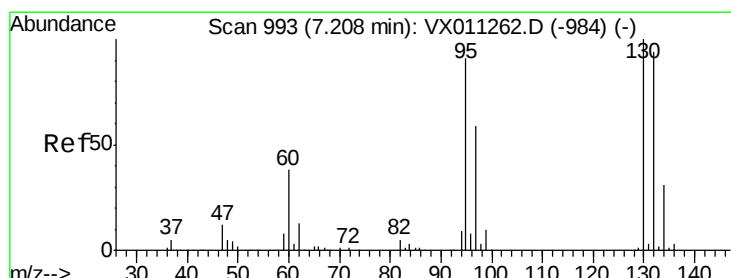
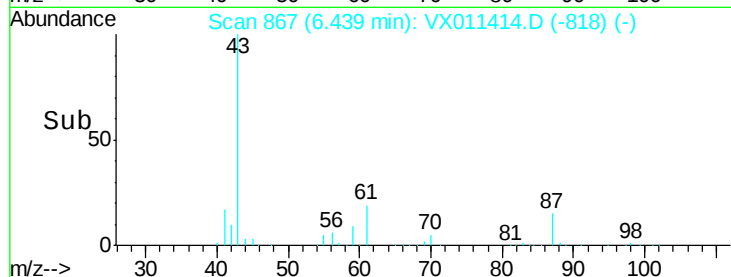
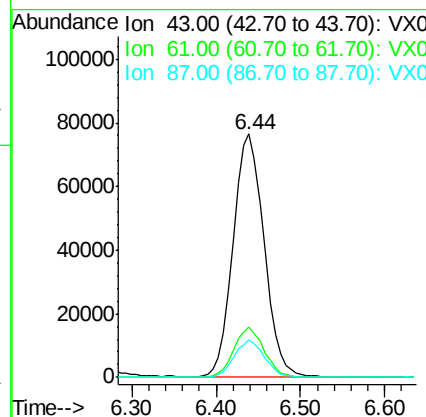
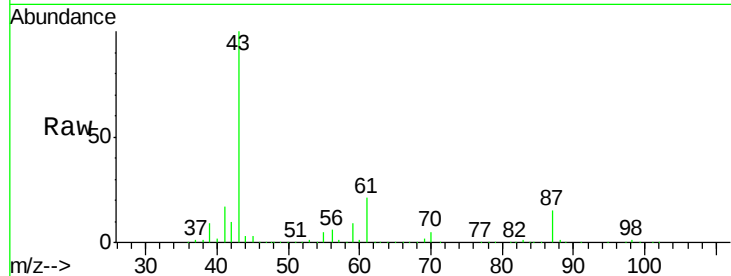
Isopropyl Acetate
 Concen: 52.855 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.5	24.7
87	15.1	12.1	18.1

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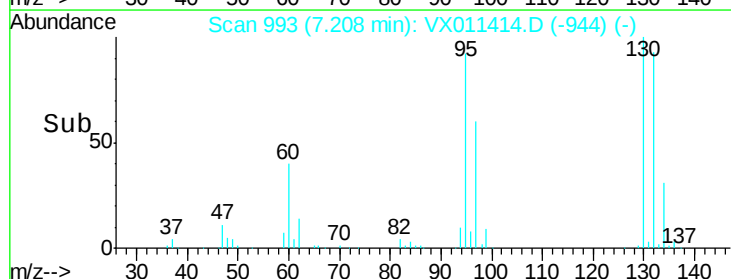
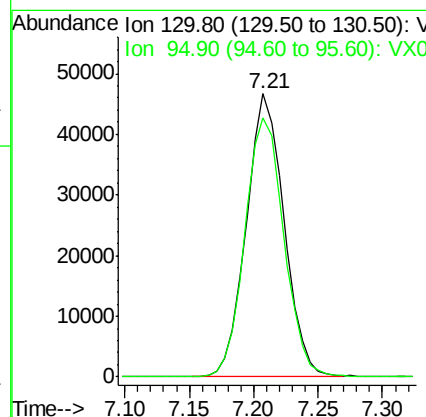
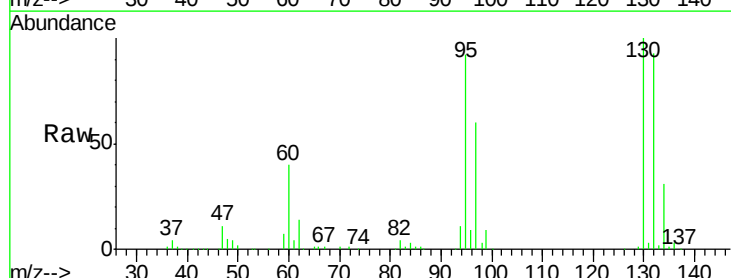
MMDadoda
 8/12/2019 12:50:43 PM



#44

Trichloroethene
 Concen: 46.936 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	182.6





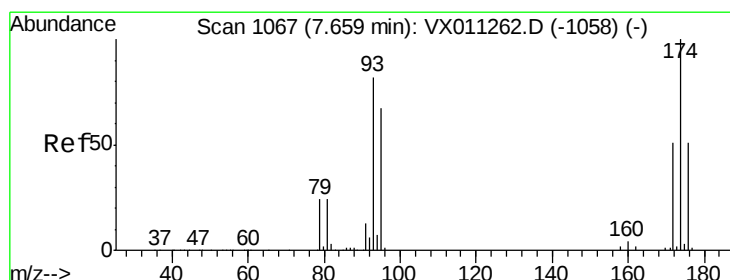
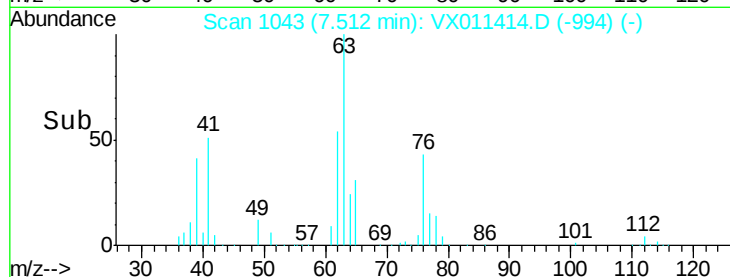
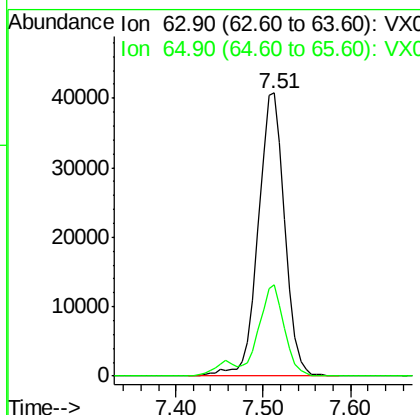
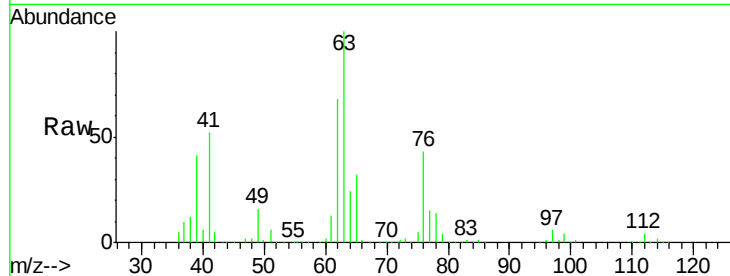
#45
 1,2-Dichloropropane
 Concen: 49.905 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tot Ion: 63 Resp: 86079
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.3 34.9

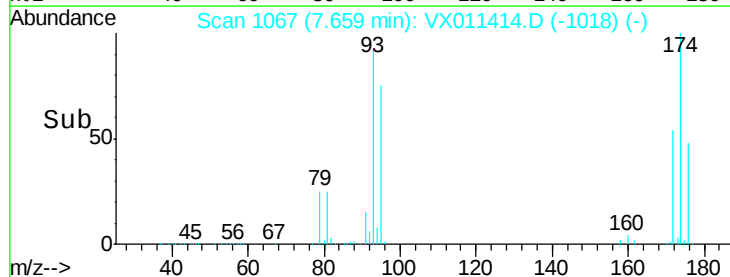
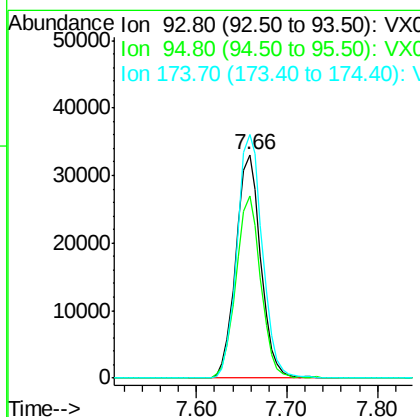
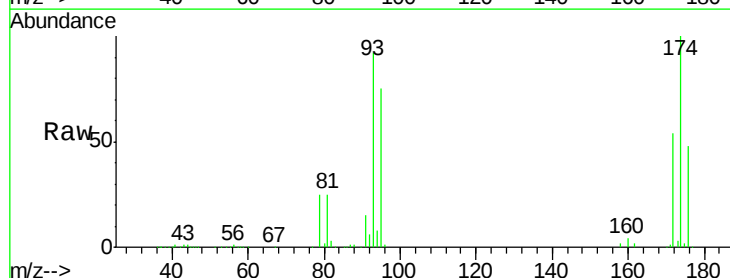
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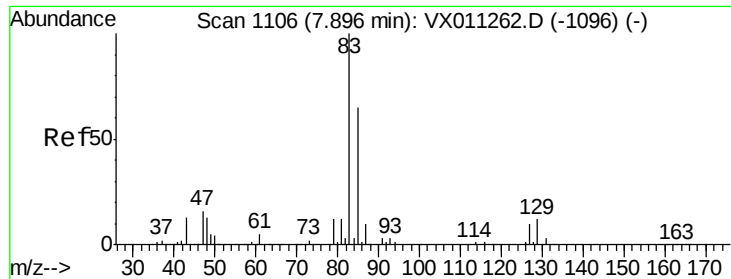
MMDadoda
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#46
 Dibromomethane
 Concen: 50.183 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion: 93 Resp: 63189
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.4 99.6
 174 111.0 93.4 140.2





#47

Bromodichloromethane

Concen: 54.947 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

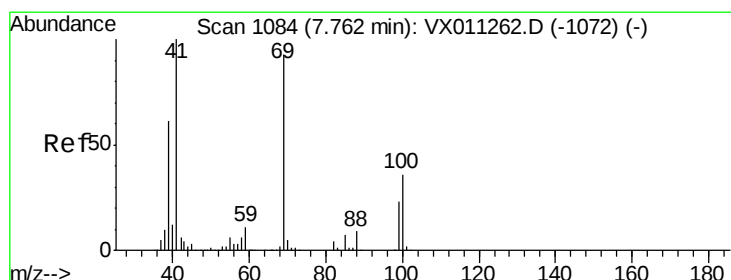
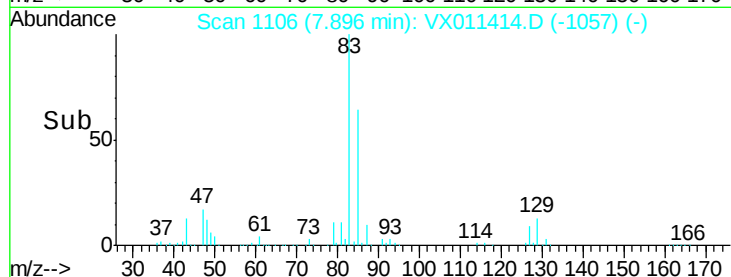
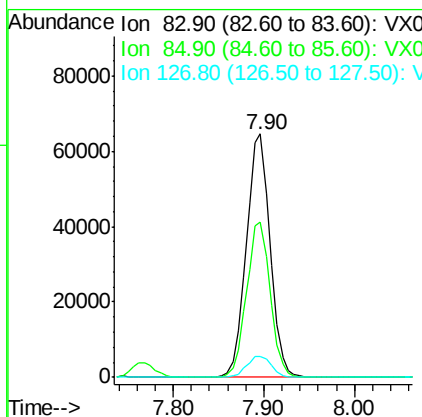
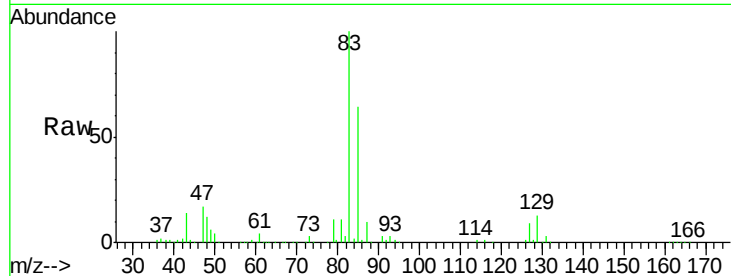
ClientSampleId :

K4779-05MSD

Tot Ion:	83	Resp:	117140
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.2
127	8.7	7.8	11.8

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#48

Methyl methacrylate

Concen: 57.171 ug/l

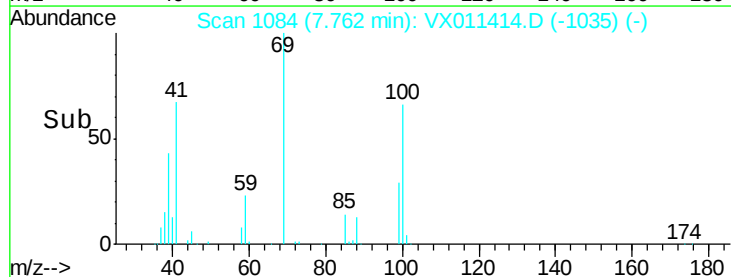
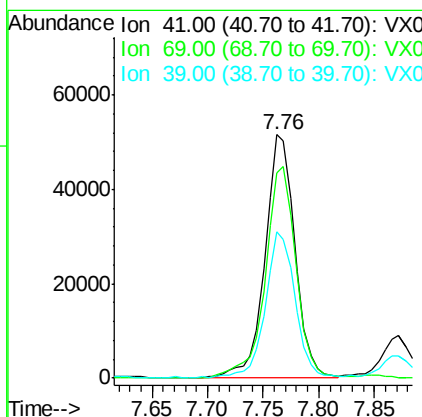
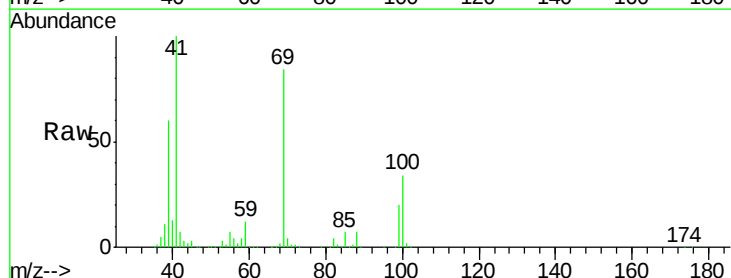
RT: 7.76 min Scan# 1084

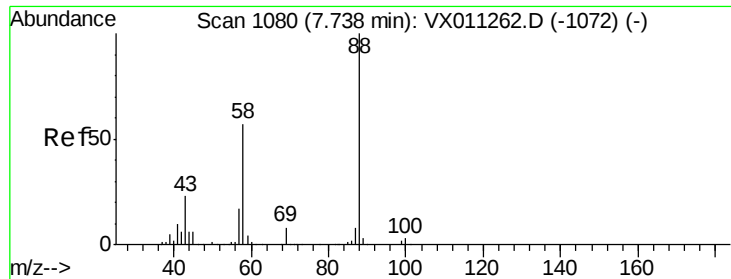
Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Tgt Ion:	41	Resp:	96301
Ion	Ratio	Lower	Upper
41	100		
69	90.3	74.5	111.7
39	59.5	48.6	72.8





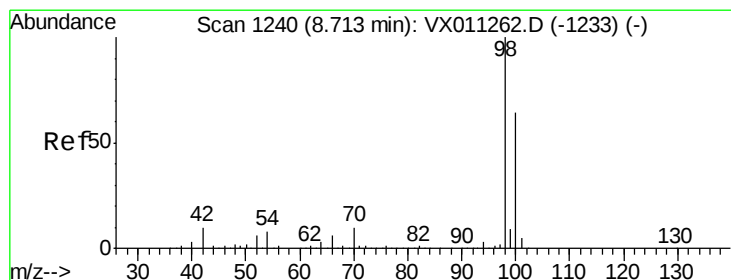
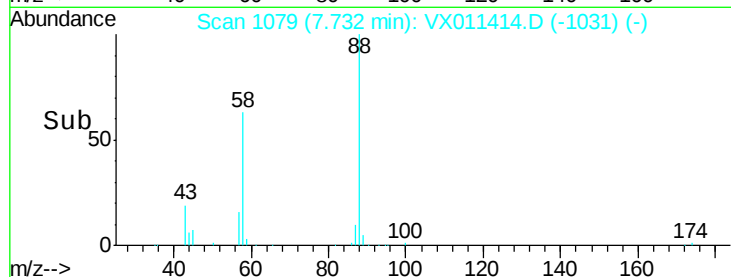
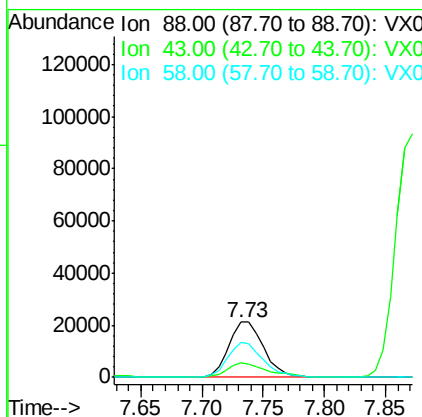
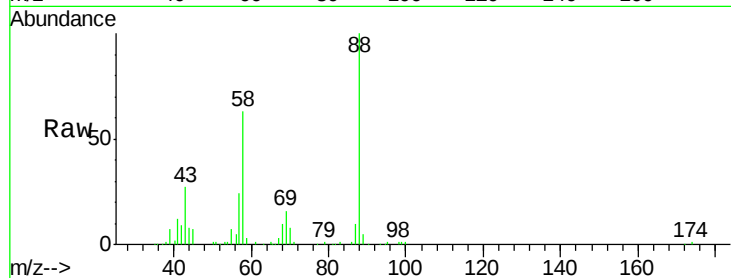
#49
1,4-Dioxane
Concen: 863.572 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	22.2	33.2
58	63.3	47.8	71.8

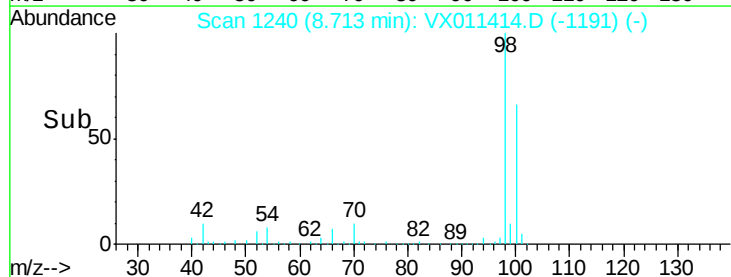
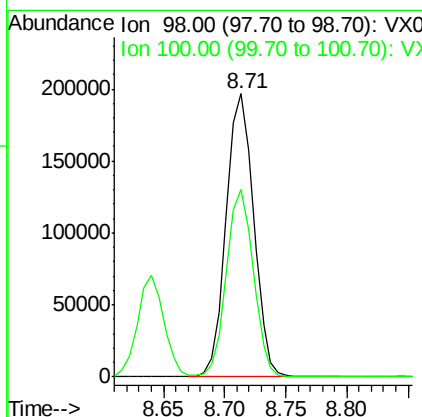
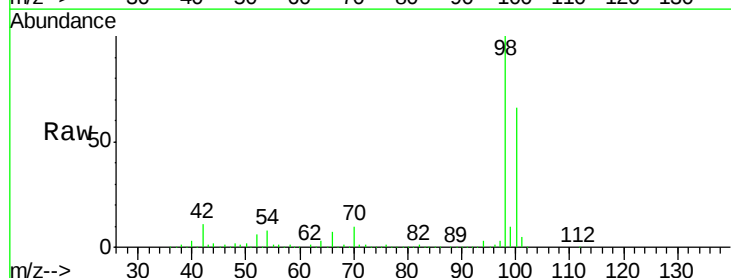
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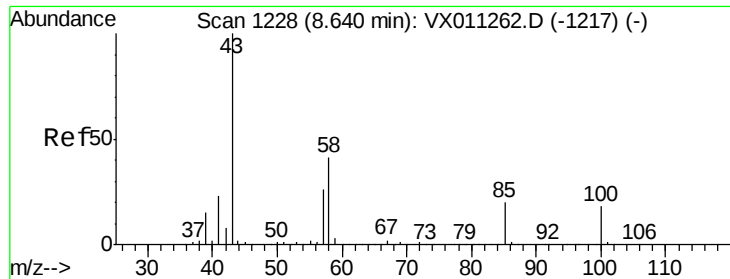
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#50
Toluene-d8
Concen: 48.740 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 272.201 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 43 Resp: 628758

Ion Ratio Lower Upper

43 100

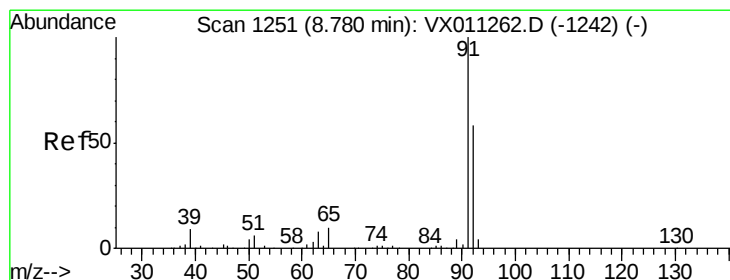
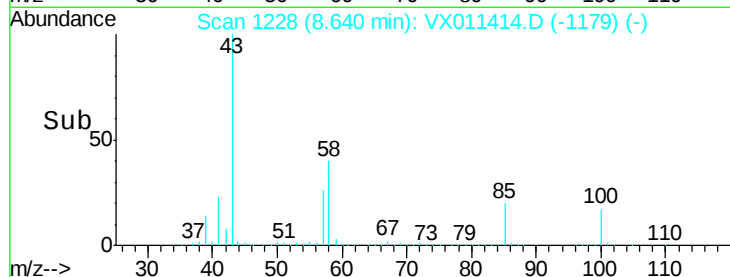
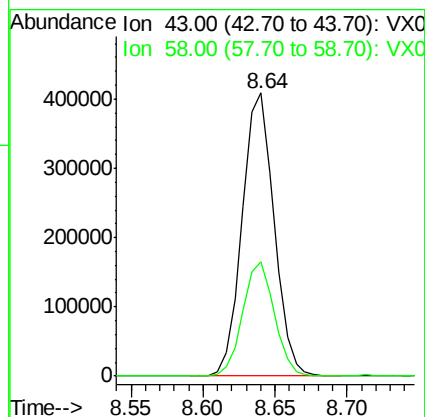
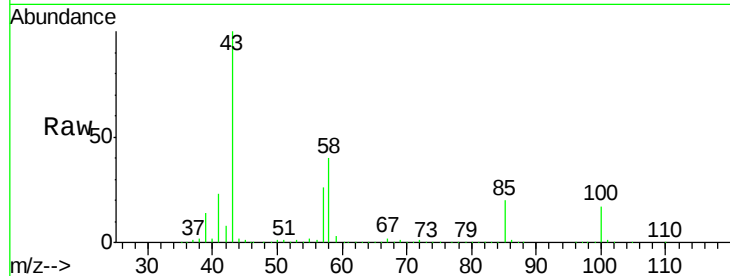
58 40.0 32.3 48.5

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#52

Toluene

Concen: 49.970 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011414.D

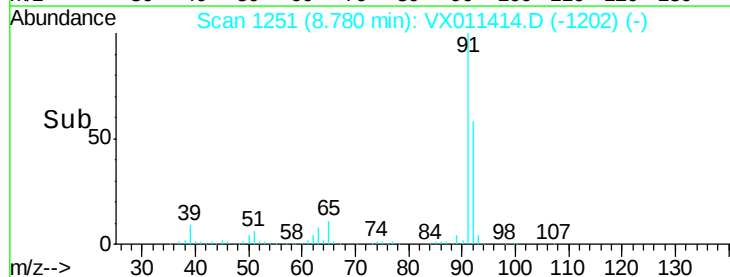
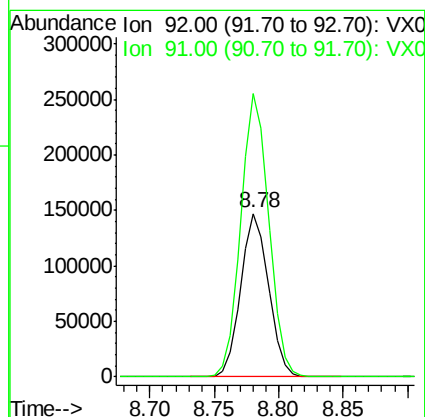
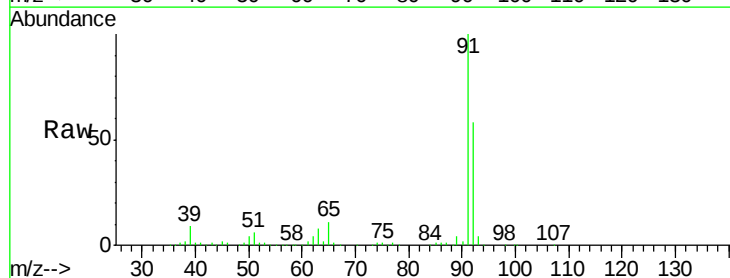
Acq: 09 Aug 2019 16:52

Tgt Ion: 92 Resp: 220041

Ion Ratio Lower Upper

92 100

91 174.4 139.4 209.0





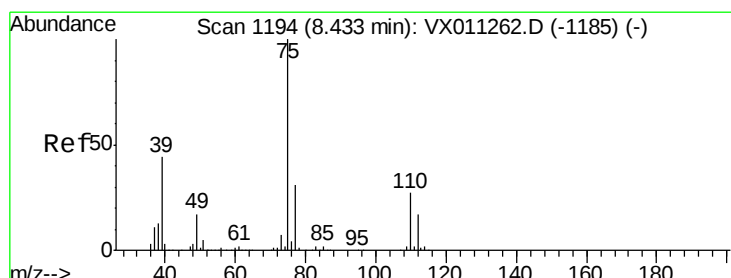
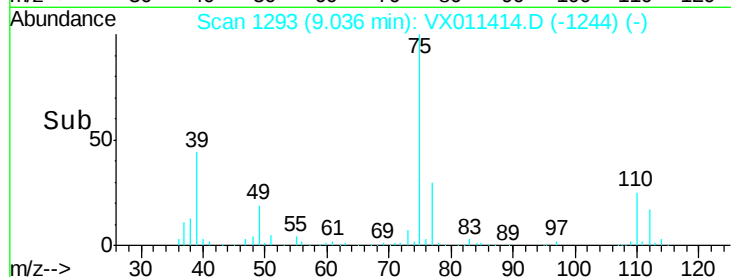
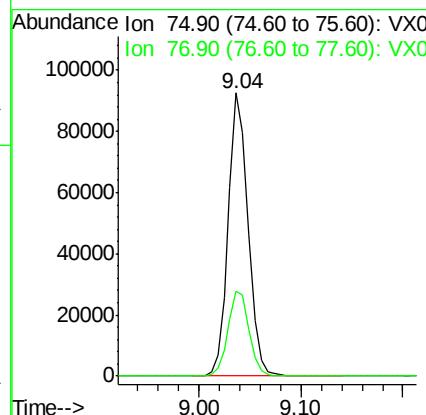
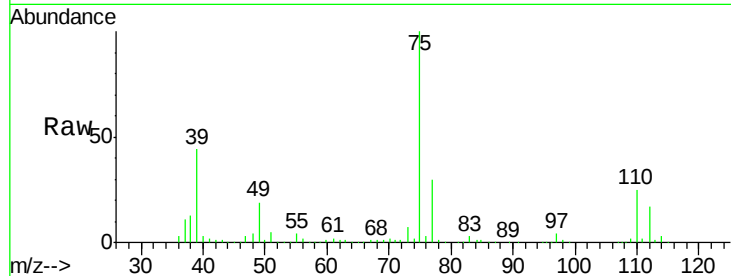
#53
 t-1,3-Dichloropropene
 Concen: 50.436 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tot Ion: 75 Resp: 125285
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.4 38.0

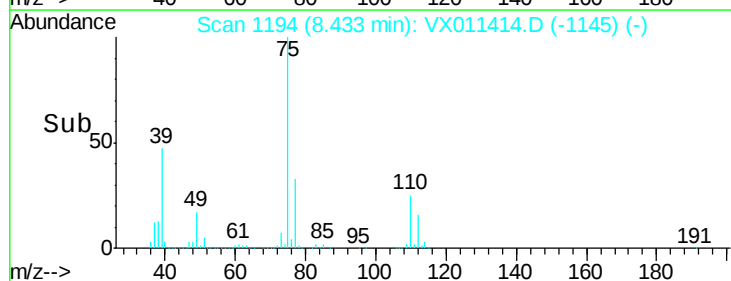
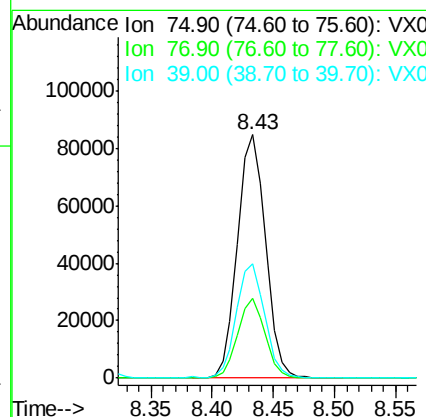
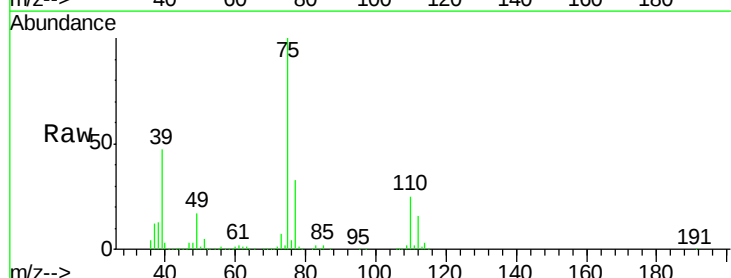
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#54
 cis-1,3-Dichloropropene
 Concen: 54.087 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion: 75 Resp: 134693
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.0 37.6
 39 46.8 35.3 52.9





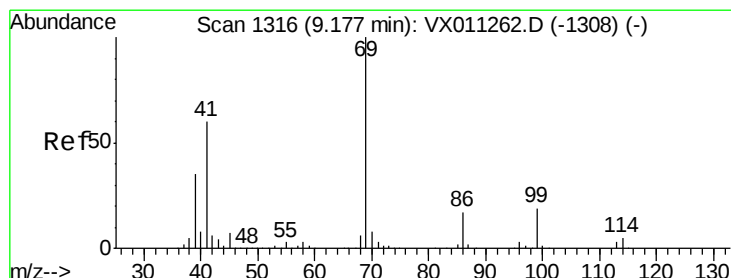
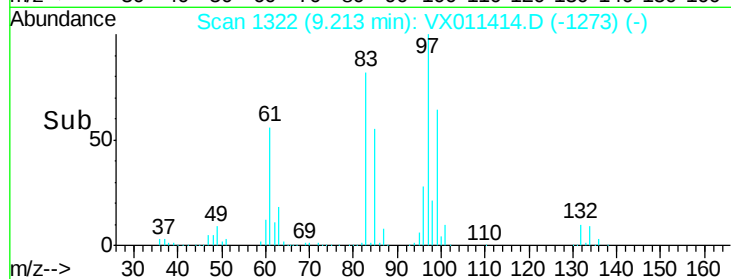
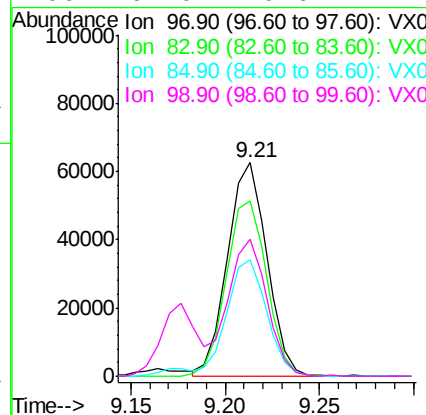
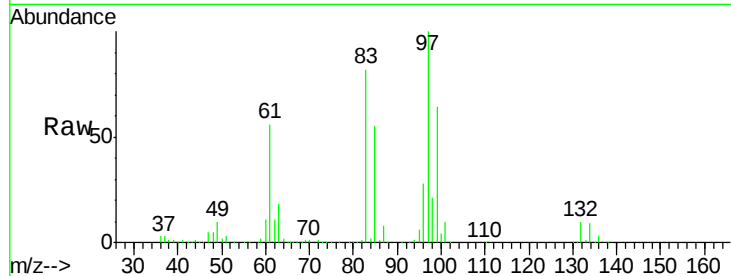
#55
 1,1,2-Trichloroethane
 Concen: 50.165 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tot Ion	97	Resp	90824
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.6	101.4
85	54.5	43.4	65.0
99	64.0	49.6	74.4

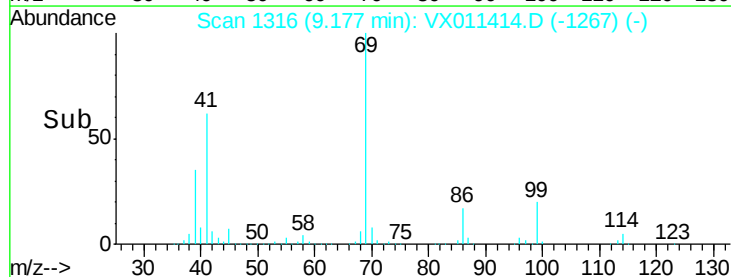
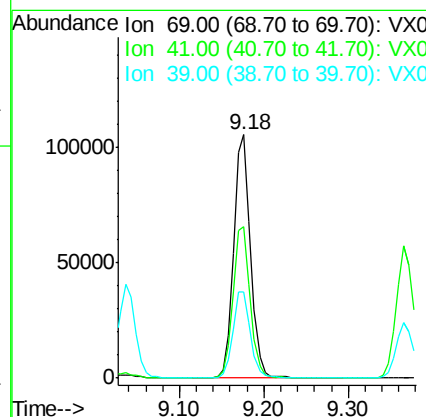
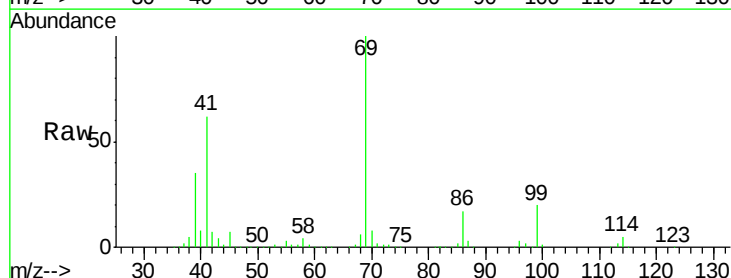
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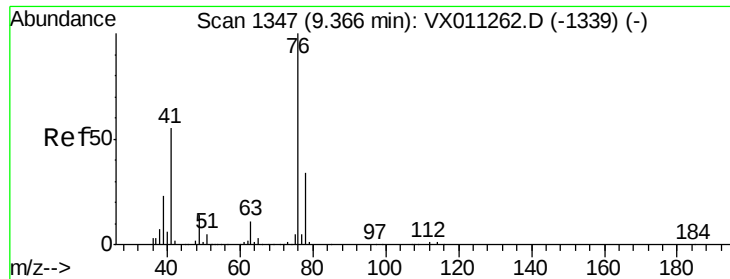
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 55.911 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion	69	Resp	144255
Ion	Ratio	Lower	Upper
69	100		
41	63.0	48.6	73.0
39	36.6	29.4	44.2





#57

1,3-Dichloropropane

Concen: 51.147 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 76 Resp: 146449

Ion Ratio Lower Upper

76 100

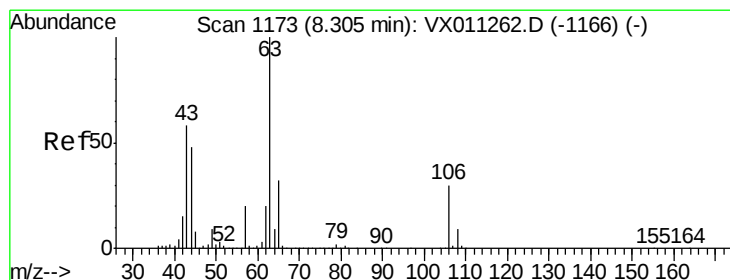
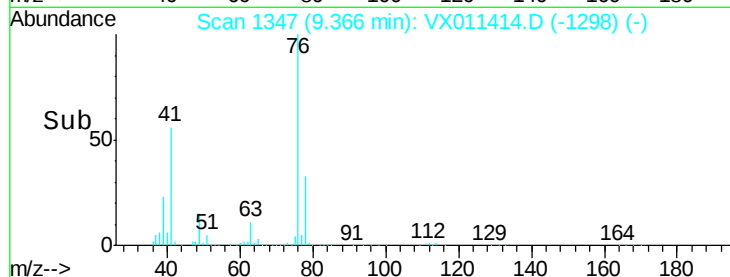
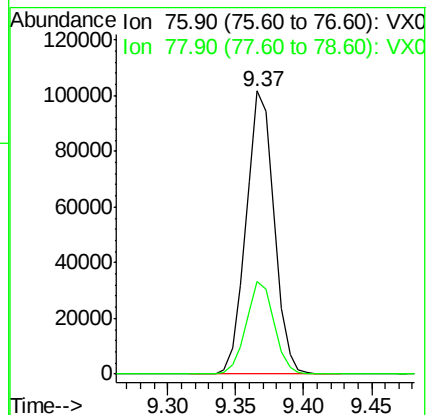
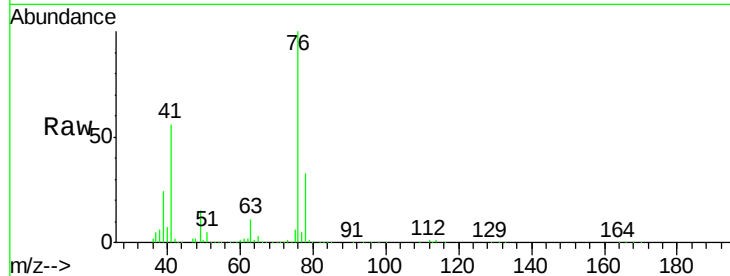
78 32.6 26.6 40.0

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#58

2-Chloroethyl Vinyl ether

Concen: 253.789 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011414.D

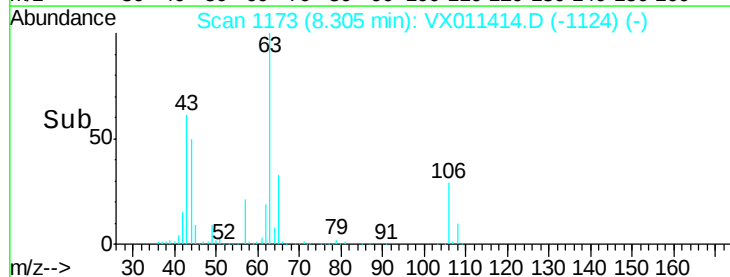
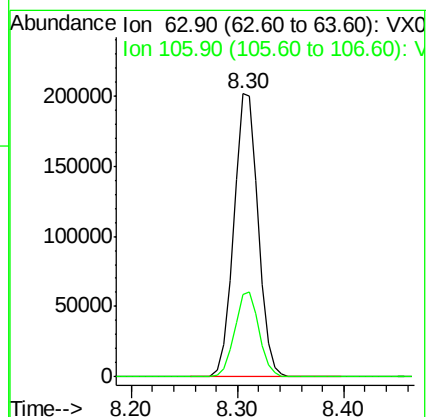
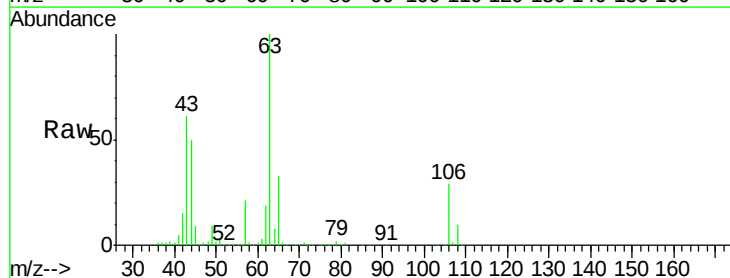
Acq: 09 Aug 2019 16:52

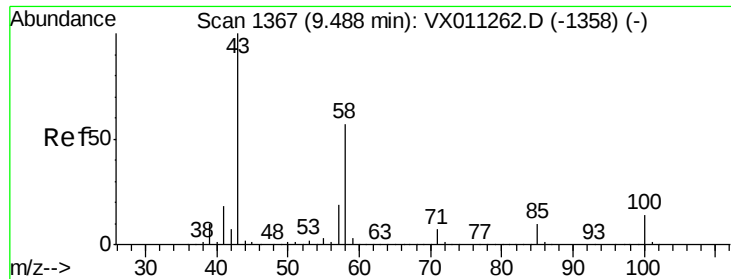
Tgt Ion: 63 Resp: 321956

Ion Ratio Lower Upper

63 100

106 29.9 24.4 36.6





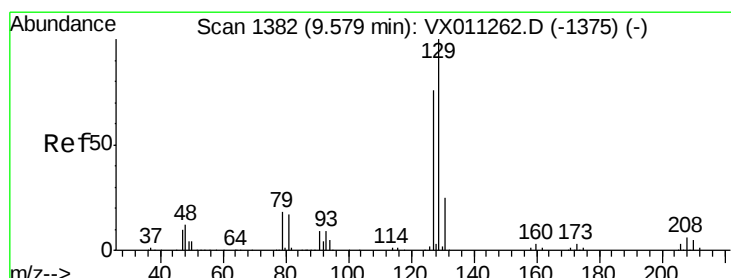
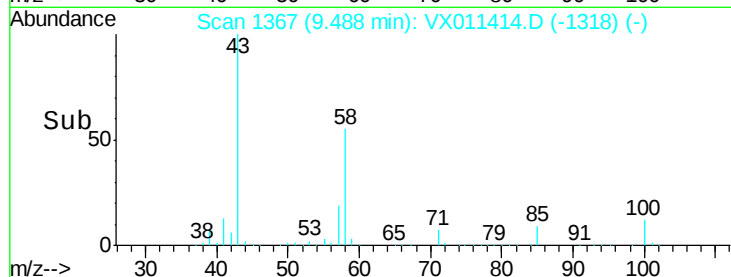
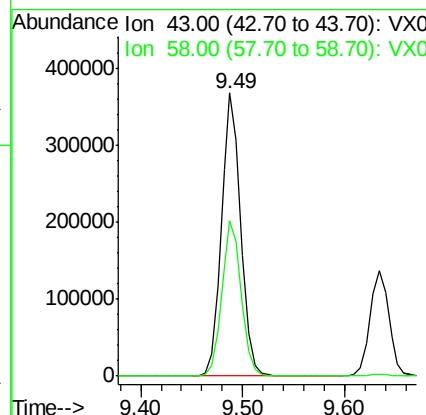
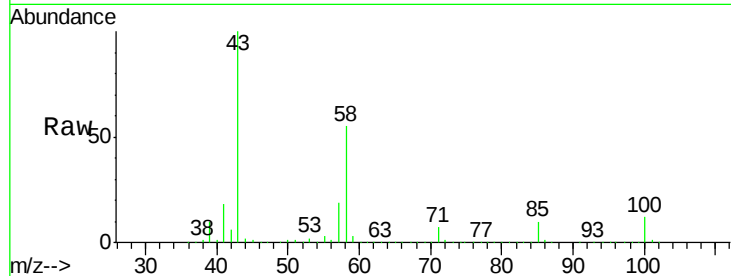
#59
2-Hexanone
Concen: 272.371 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion: 43 Resp: 487317
Ion Ratio Lower Upper
43 100
58 55.4 28.2 84.6

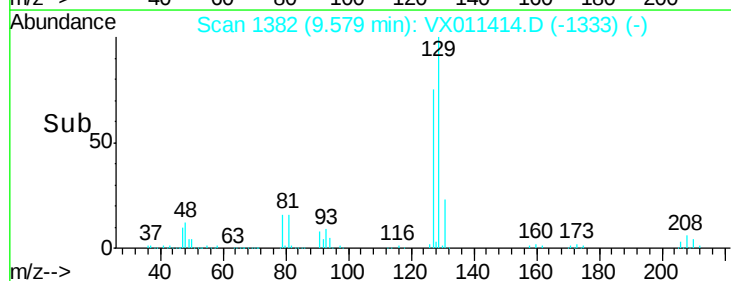
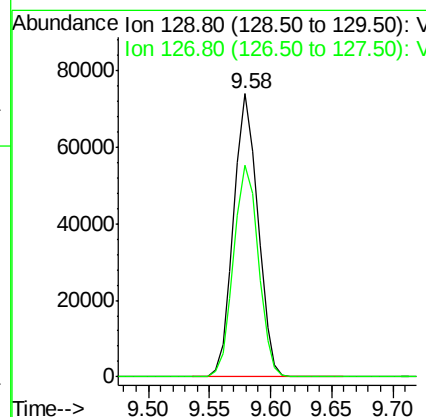
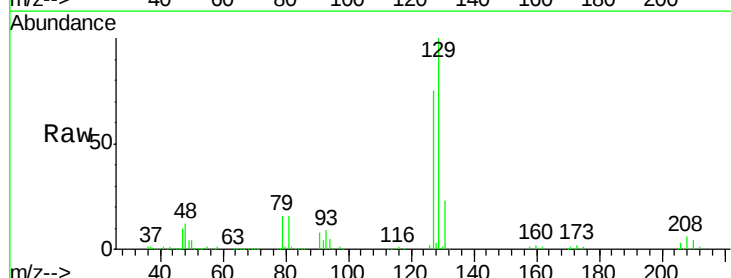
Manual Integrations
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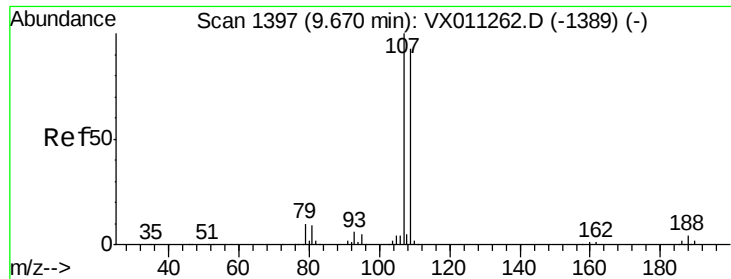
MMDadoda
8/12/2019 12:50:43 PM



#60
Dibromochloromethane
Concen: 54.926 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion: 129 Resp: 101812
Ion Ratio Lower Upper
129 100
127 76.1 39.2 117.6





#61

1,2-Dibromoethane

Concen: 51.509 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 107 Resp: 100756

Ion Ratio Lower Upper

107 100

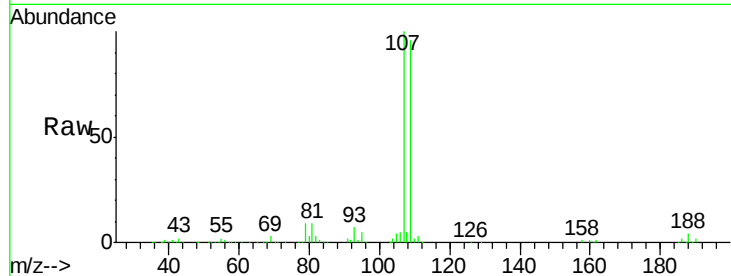
109 94.7 76.6 114.8

Manual Integrations

APPROVED

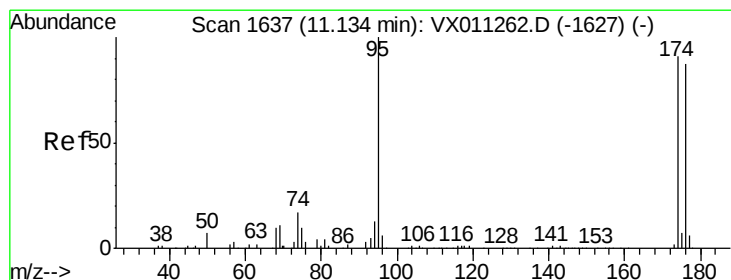
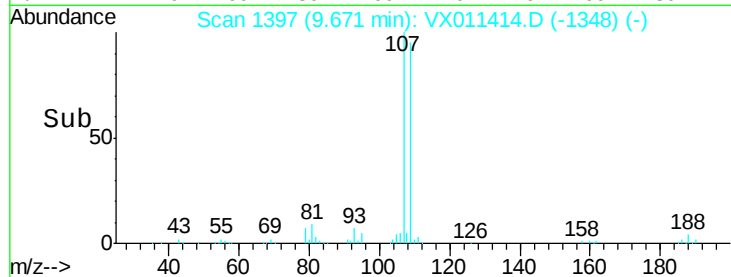
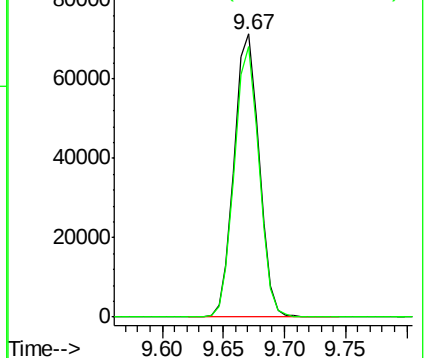
MMDadoda

8/12/2019 12:50:43 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.874 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

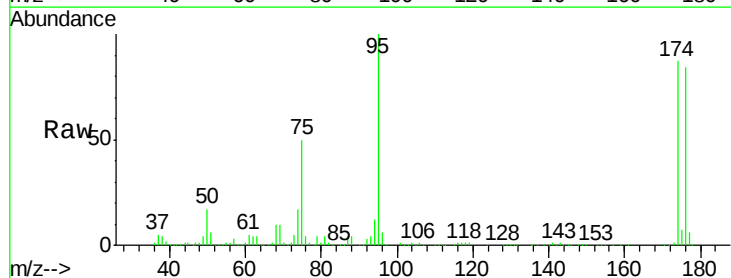
Tgt Ion: 95 Resp: 121174

Ion Ratio Lower Upper

95 100

174 90.3 0.0 191.2

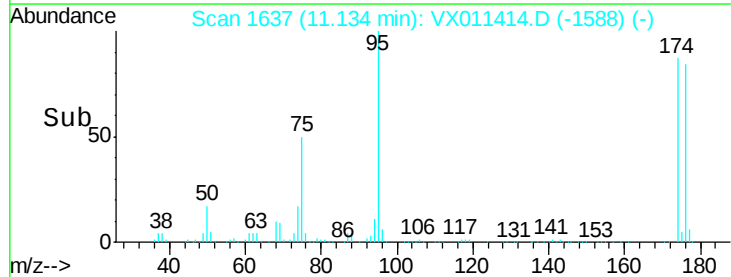
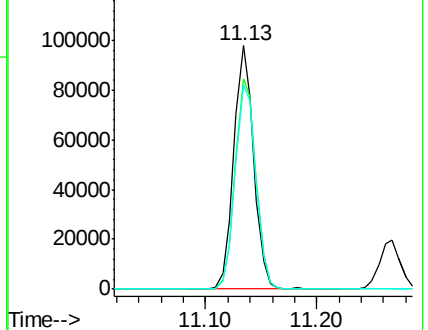
176 87.3 0.0 184.8

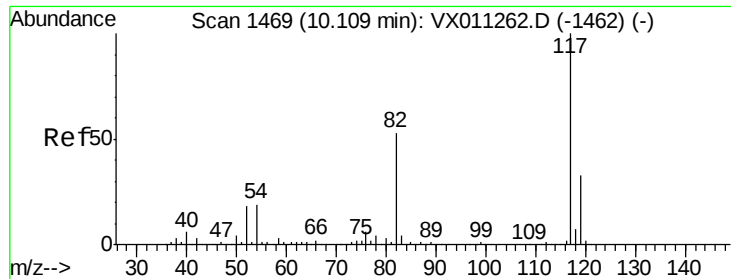


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





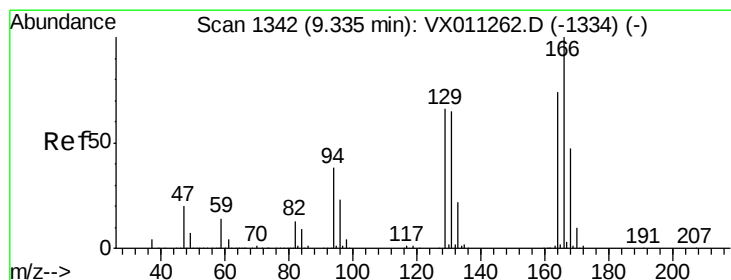
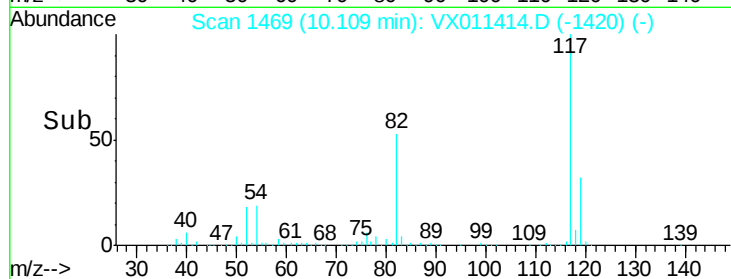
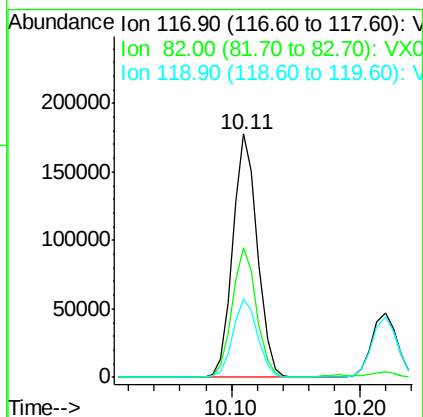
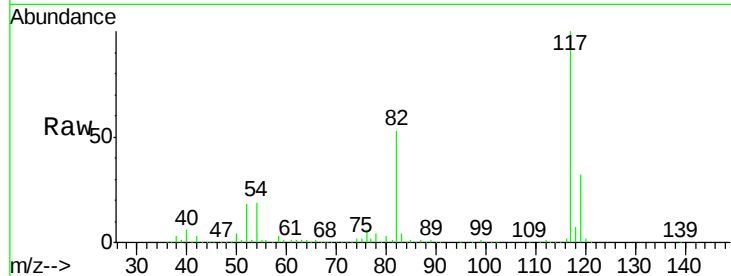
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.2
119	32.3	26.6	39.8

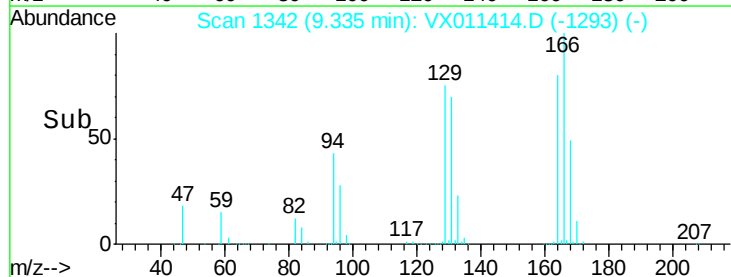
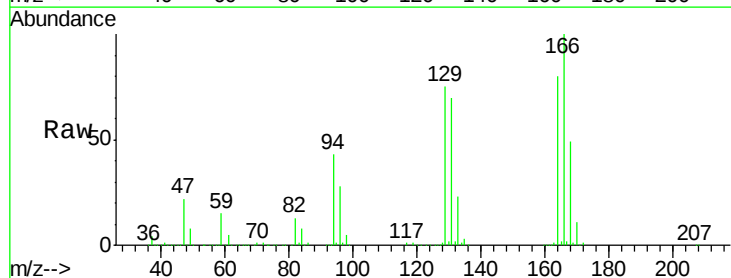
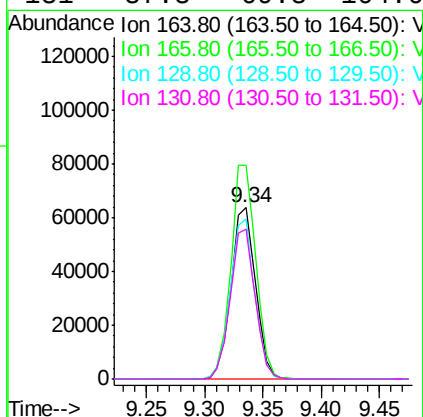
Manual Integrations
APPROVED

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8/12/2019 12:50:43 PM



#64
Tetrachloroethene
Concen: 46.699 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	107.5	161.3
129	93.5	71.0	106.4
131	87.8	69.8	104.6





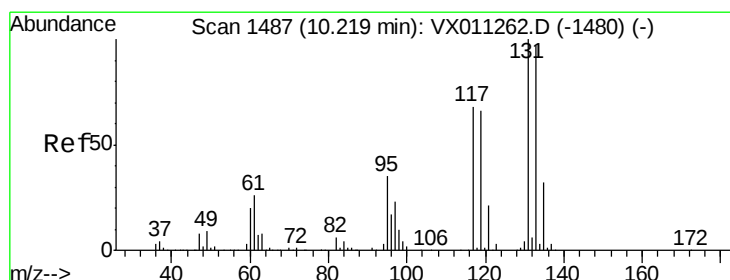
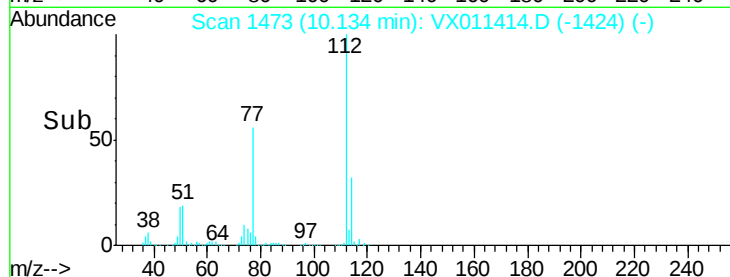
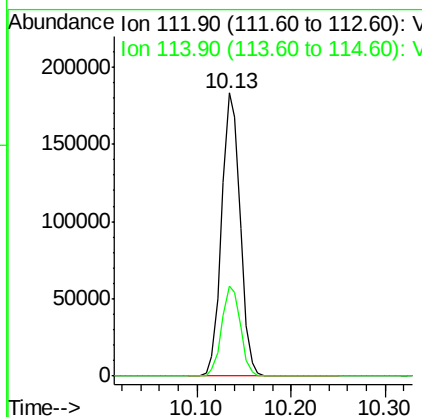
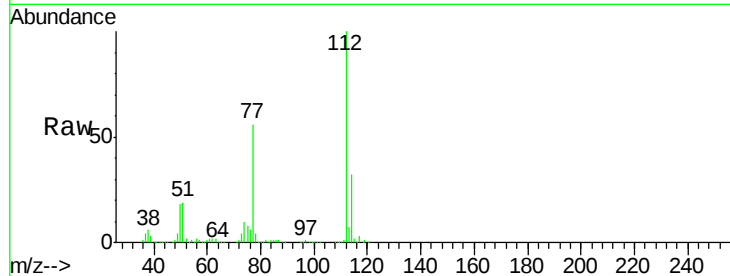
#65
Chlorobenzene
Concen: 49.264 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.9	38.9

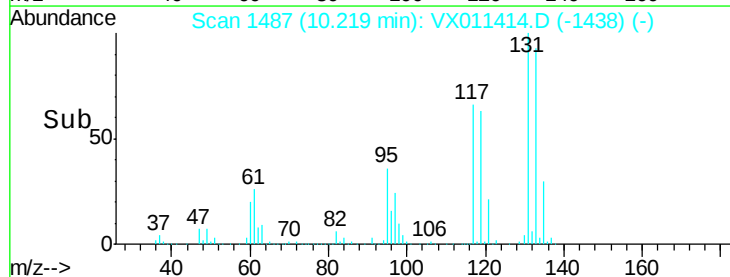
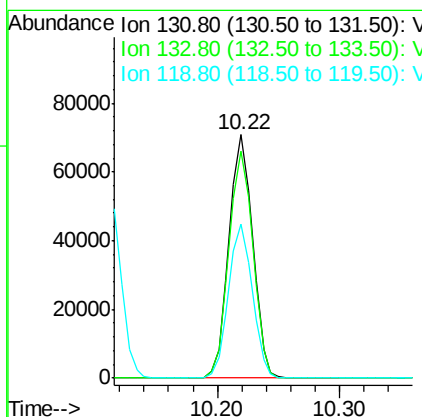
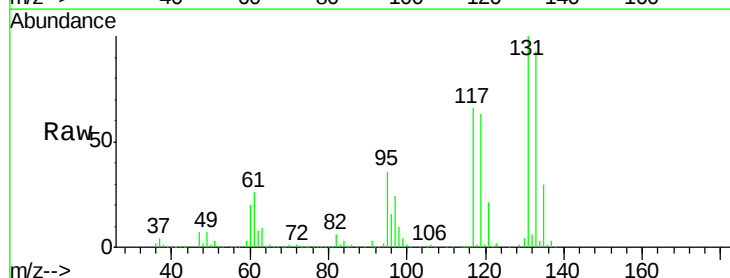
Manual Integrations
APPROVED

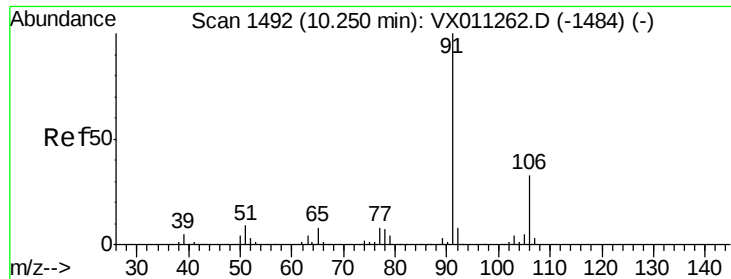
MMDadoda
8/12/2019 12:50:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.766 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.7	143.1
119	63.5	32.8	98.3





#67

Ethyl Benzene

Concen: 229.910 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 91 Resp: 1953991

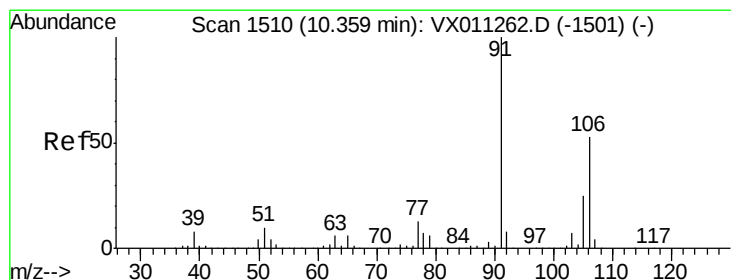
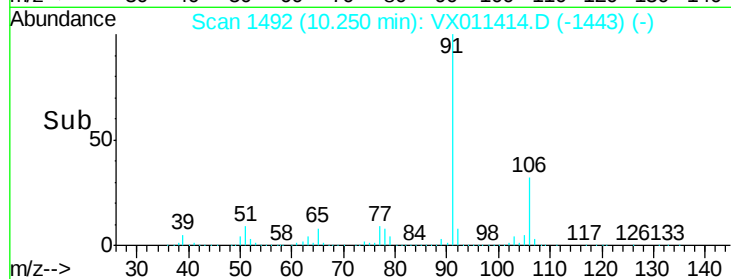
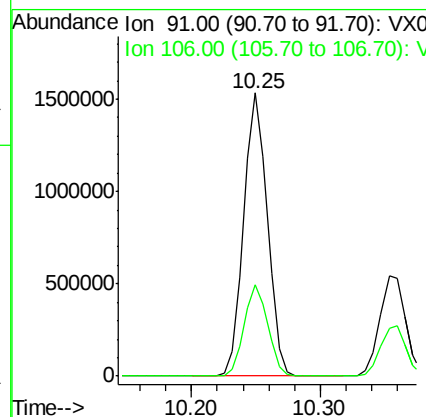
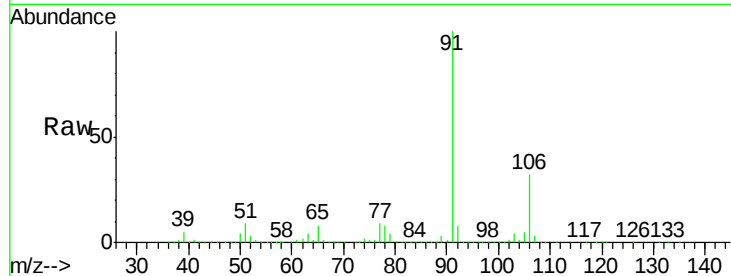
Ion Ratio Lower Upper

91 100

106 32.3 26.2 39.4

Manual Integrations
APPROVED

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8/12/2019 12:50:43 PM



#68

m/p-Xylenes

Concen: 113.039 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX011414.D

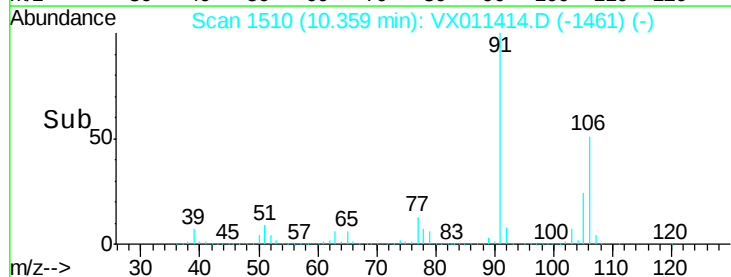
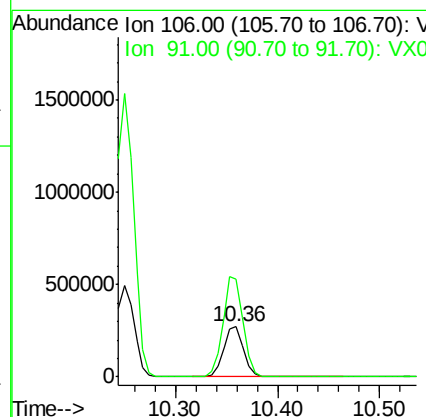
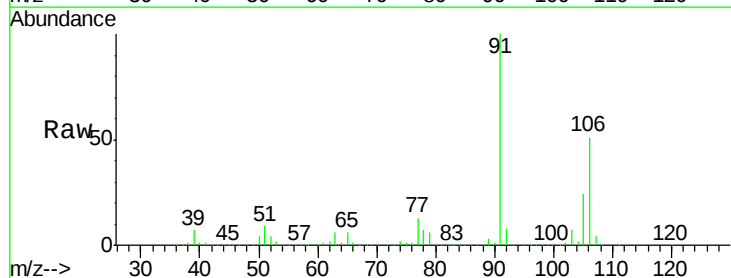
Acq: 09 Aug 2019 16:52

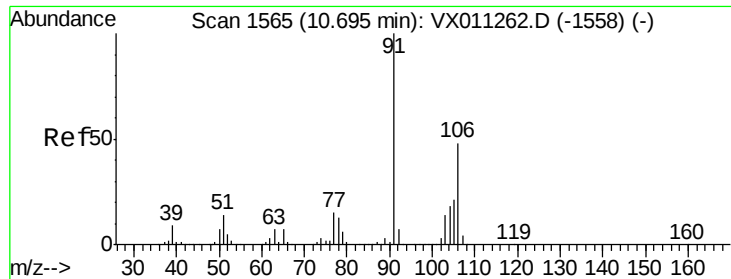
Tgt Ion: 106 Resp: 371602

Ion Ratio Lower Upper

106 100

91 200.2 155.9 233.9





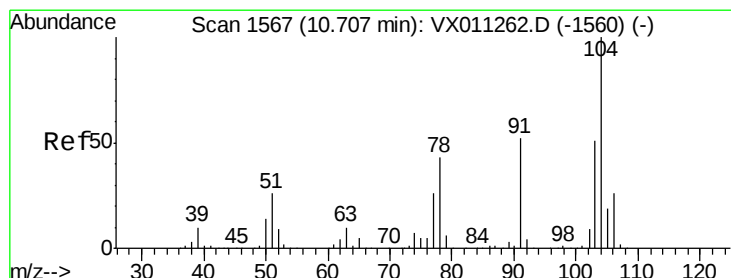
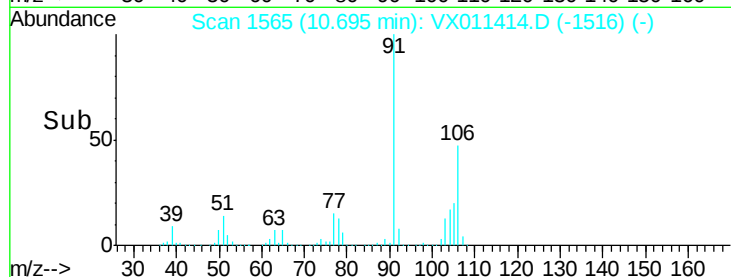
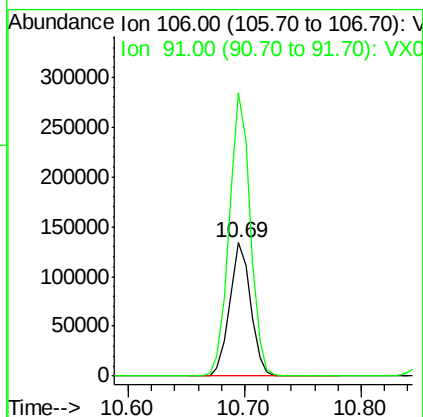
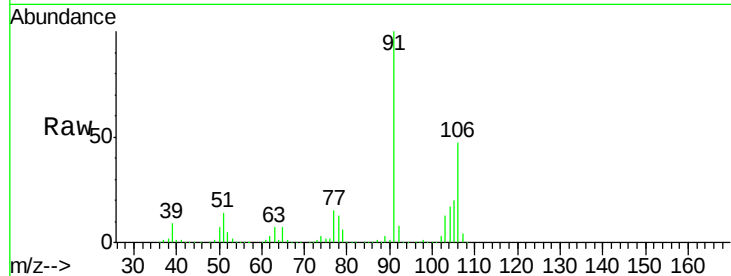
#69
o-Xylene
Concen: 52.243 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.5	103.8	311.3

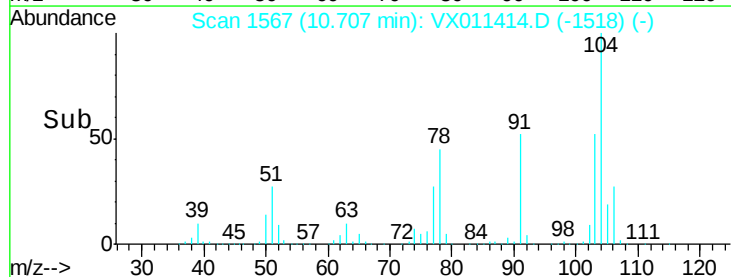
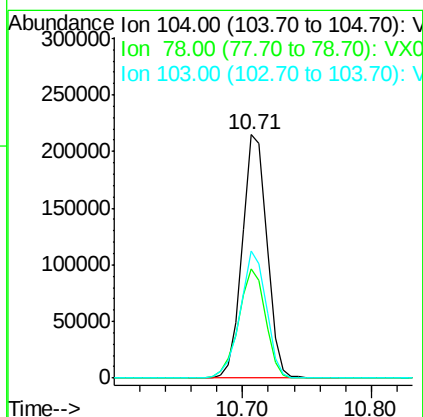
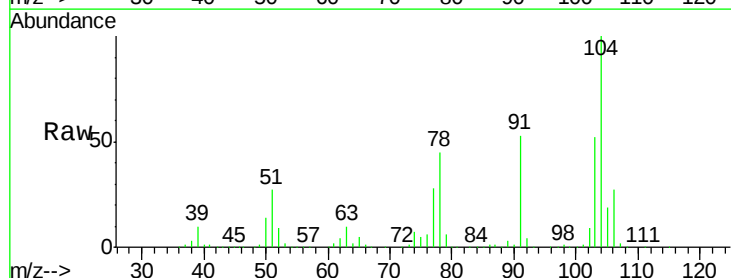
Manual Integrations
APPROVED

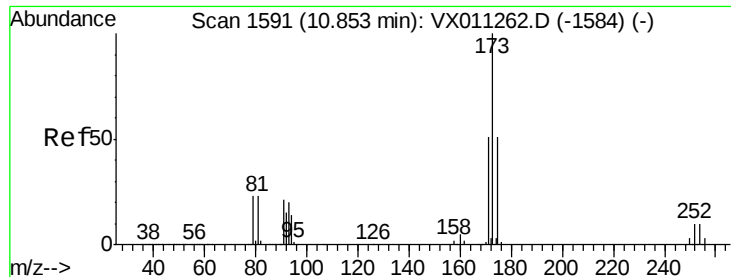
MMDadoda
8/12/2019 12:50:43 PM



#70
Styrene
Concen: 53.243 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	36.9	55.3
103	55.3	44.4	66.6





#71

Bromoform

Concen: 49.584 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion:173 Resp: 76986

Ion Ratio Lower Upper

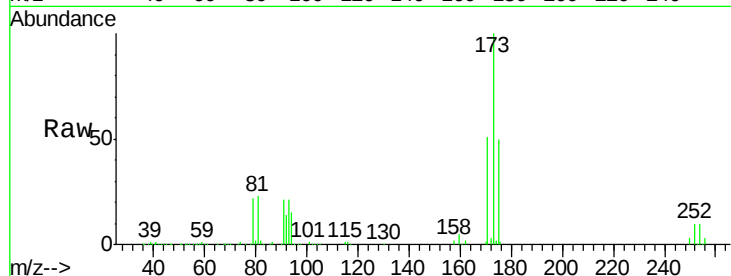
173 100

175 49.6 24.4 73.4

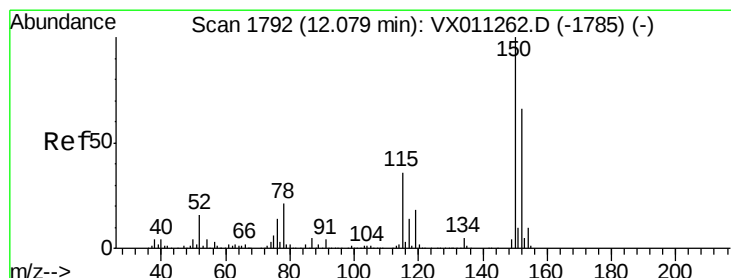
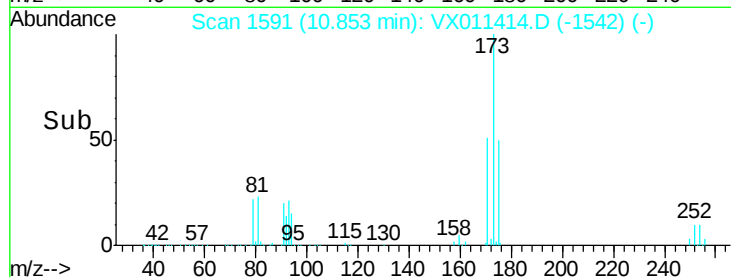
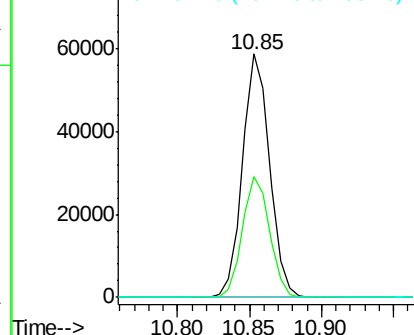
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

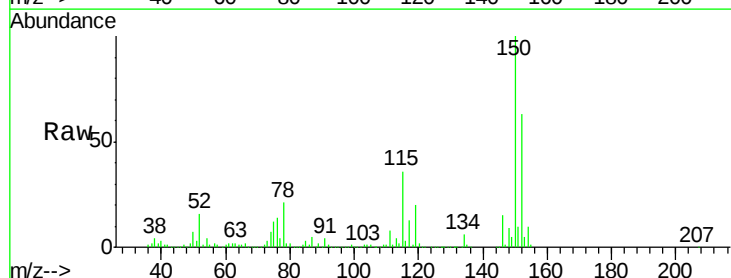
Tgt Ion:152 Resp: 129013

Ion Ratio Lower Upper

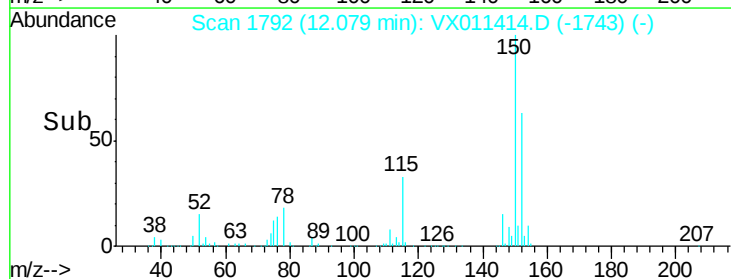
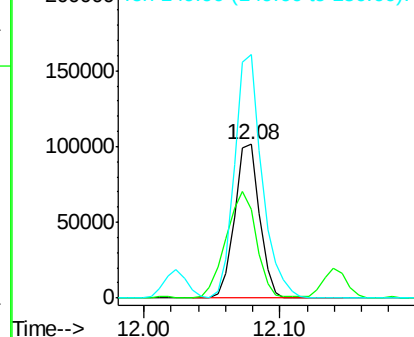
152 100

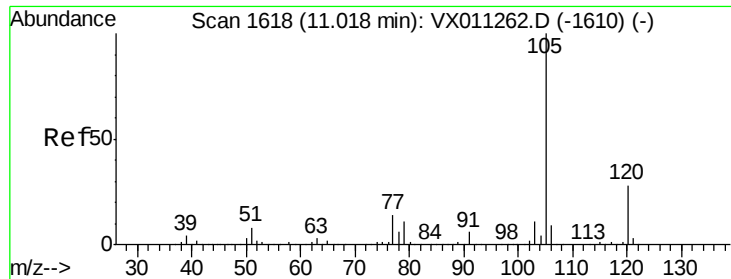
115 83.6 40.0 119.9

150 175.2 0.0 350.4



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: 70.261 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion:105 Resp: 619953

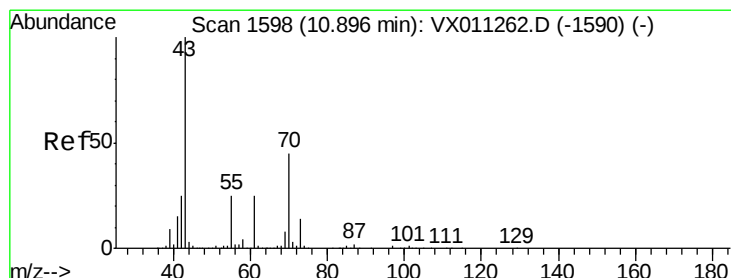
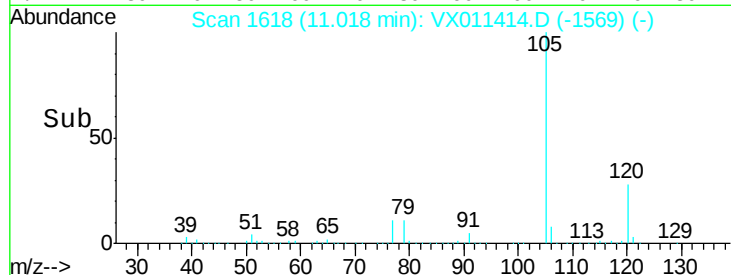
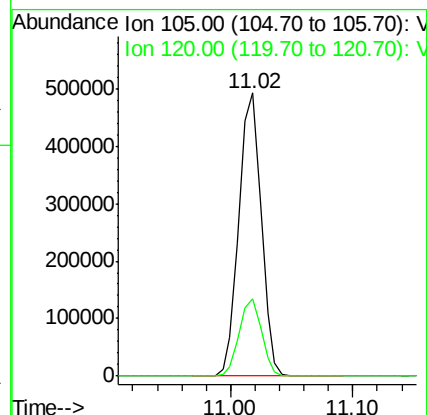
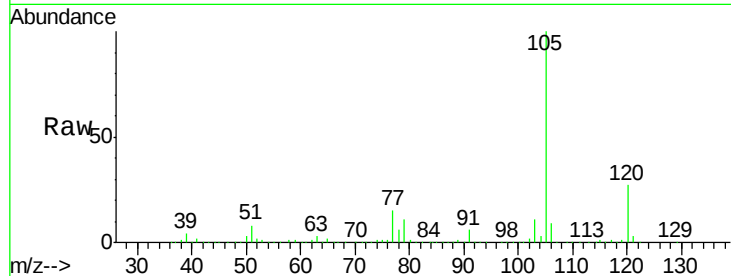
Ion Ratio Lower Upper

105 100

120 27.2 13.7 41.1

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#74

N-ethyl acetate

Concen: 56.260 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Tgt Ion: 43 Resp: 179370

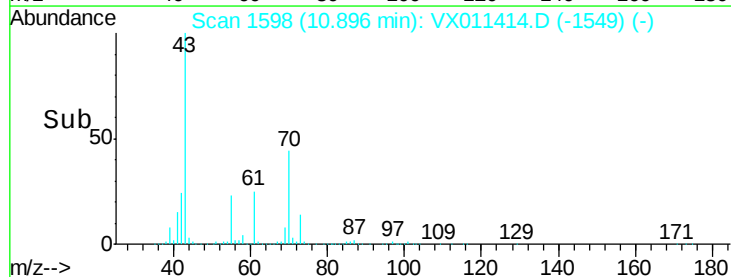
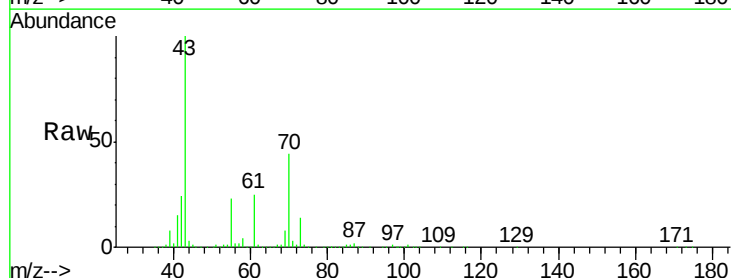
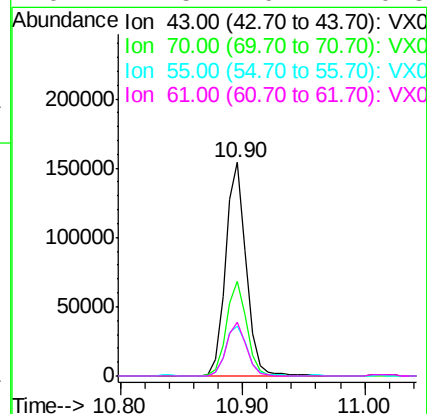
Ion Ratio Lower Upper

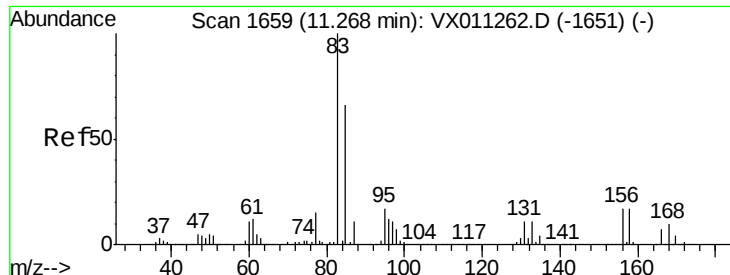
43 100

70 43.7 35.9 53.9

55 24.5 19.8 29.6

61 24.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.202 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

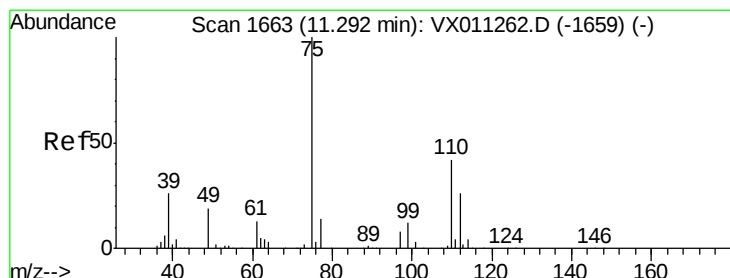
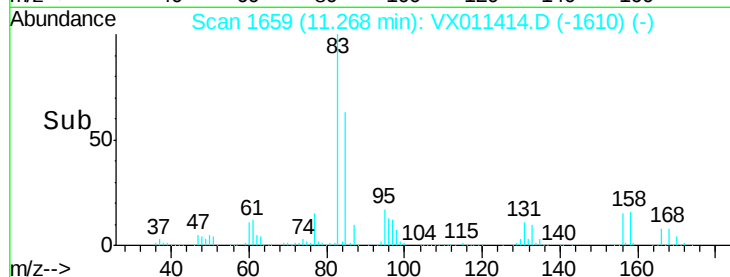
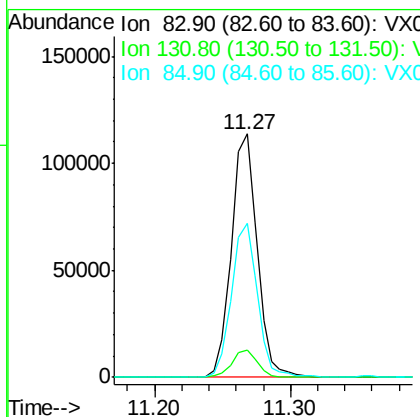
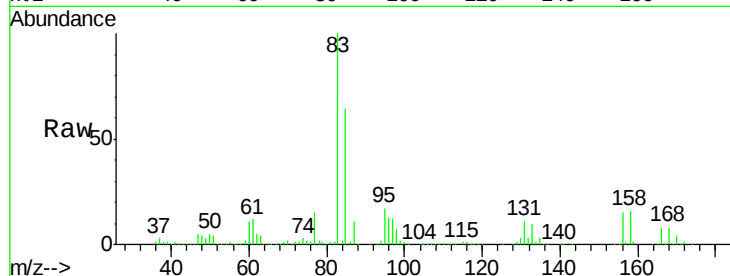
ClientSampleId :

K4779-05MSD

Tot Ion:	83	Resp:	150556
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.6	16.8
85	64.0	32.1	96.5

Manual Integrations
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8/12/2019 12:50:43 PM



#76

1,2,3-Trichloropropane

Concen: 52.873 ug/l m

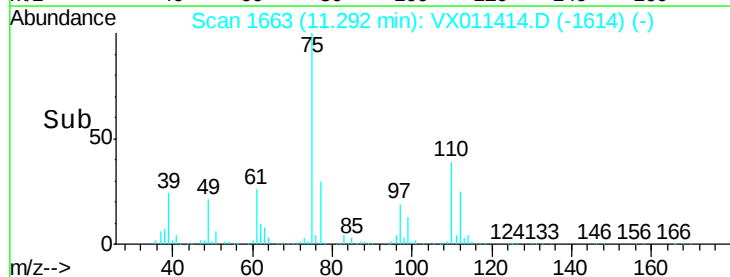
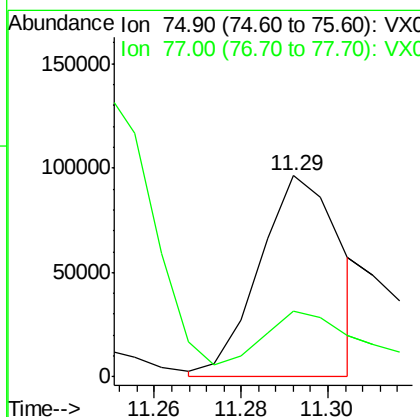
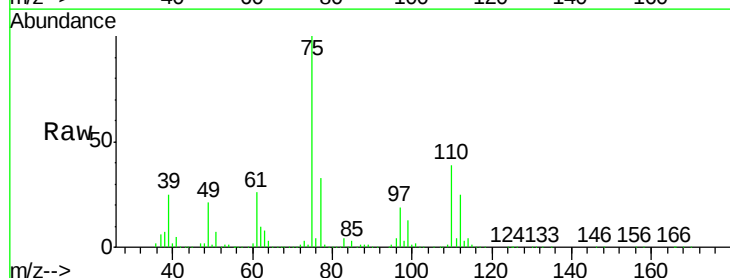
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Tgt Ion:	75	Resp:	124224
Ion Ratio	Lower	Upper	
75	100		
77	42.7	21.1	63.4





#77

Bromobenzene

Concen: 49.439 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

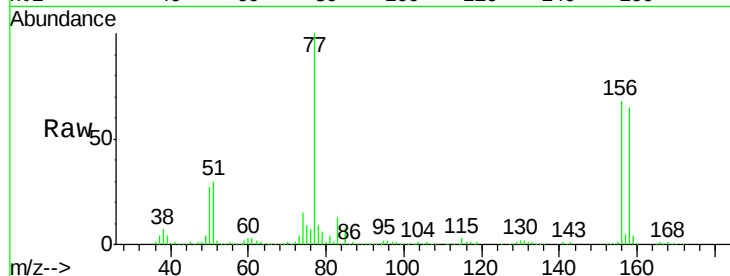
ClientSampleId :

K4779-05MSD

Tot Ion:	156	Resp:	120963
Ion Ratio	Lower	Upper	
156	100		
77	142.1	66.2	198.6
158	97.7	49.1	147.3

Manual Integrations
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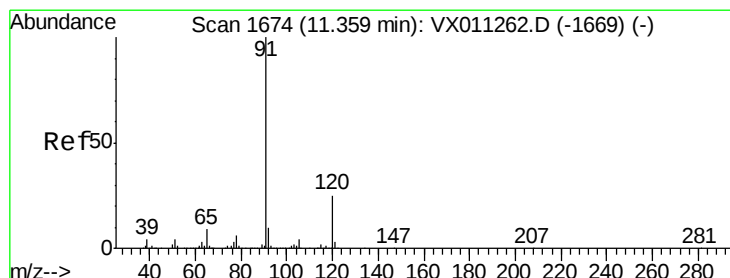
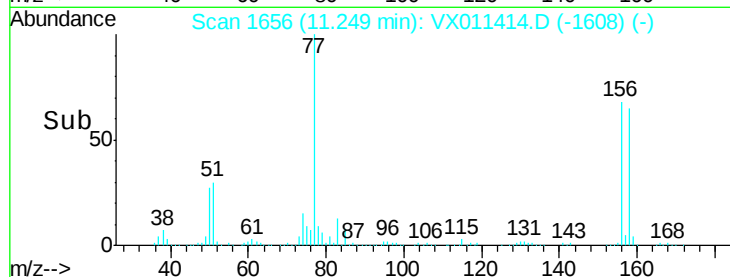
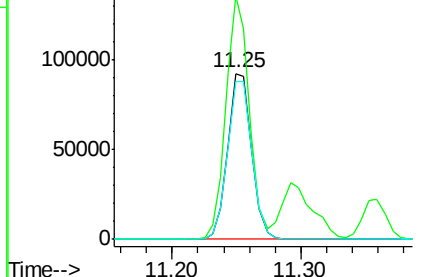
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 72.839 ug/l

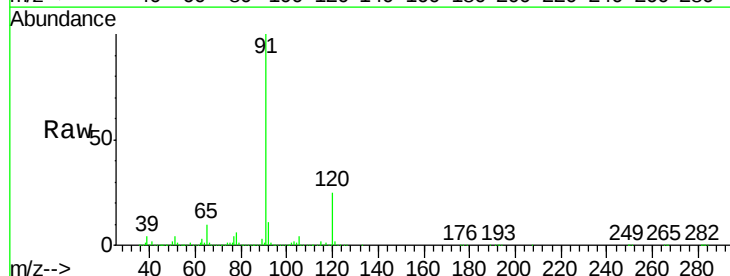
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011414.D

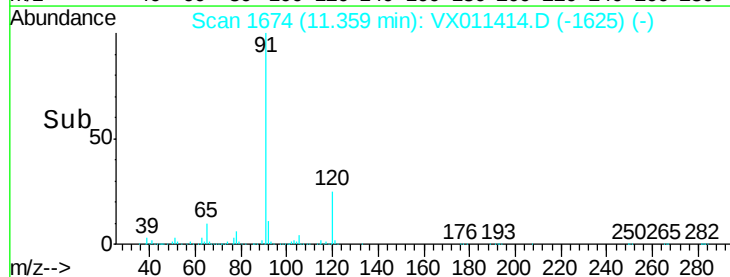
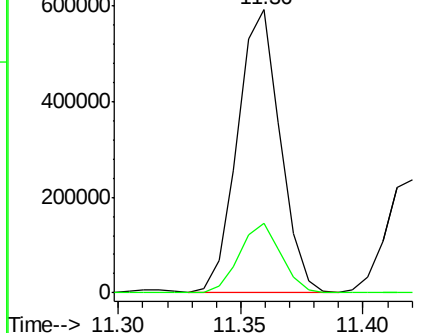
Acq: 09 Aug 2019 16:52

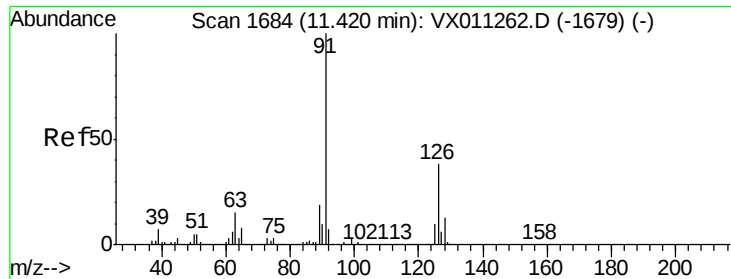
Tgt Ion:	91	Resp:	714725
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.4	37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.792 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 91 Resp: 302904

Ion Ratio Lower Upper

91 100

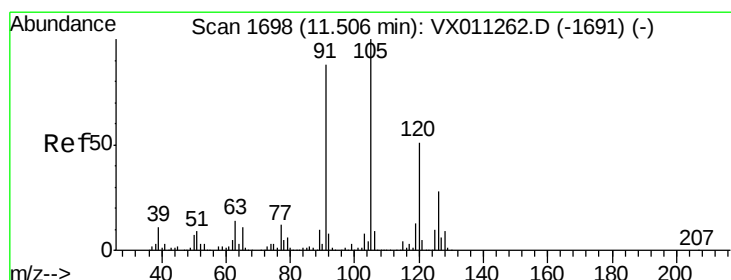
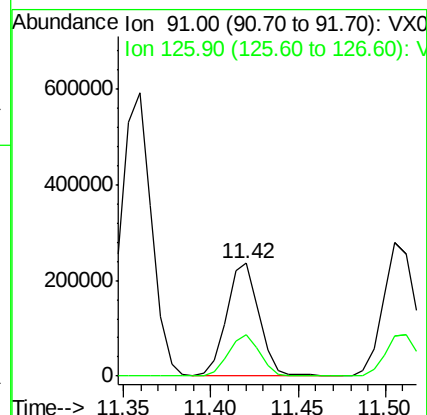
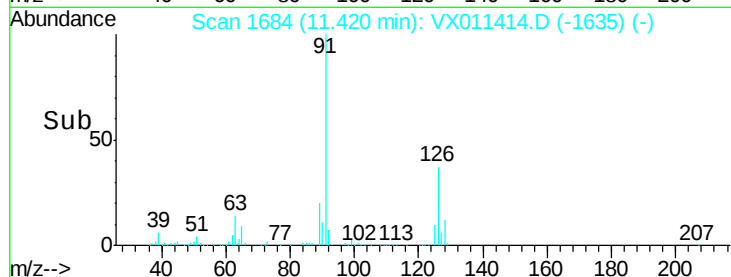
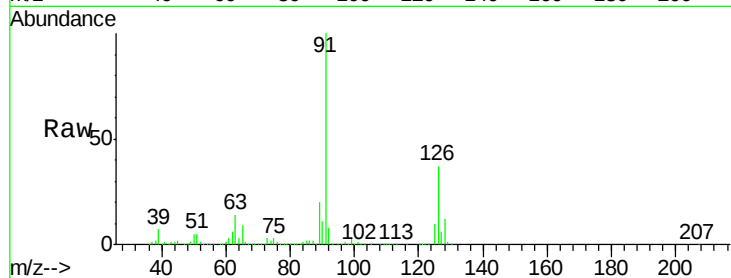
126 35.7 18.5 55.5

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#80

1,3,5-Trimethylbenzene

Concen: 51.969 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011414.D

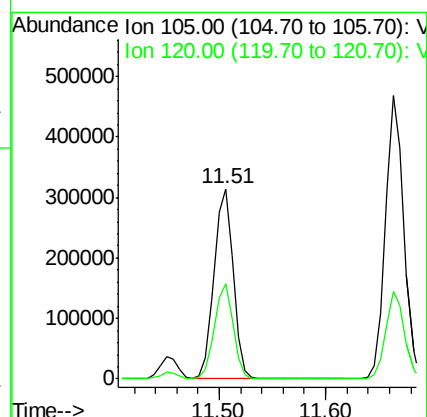
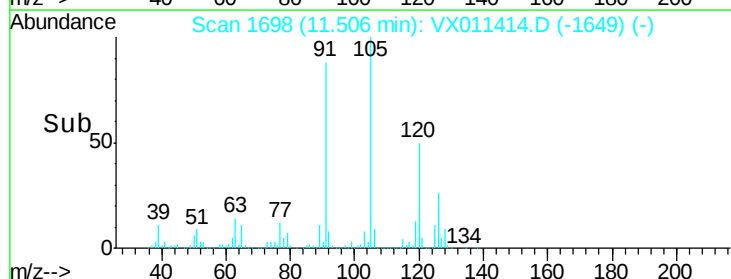
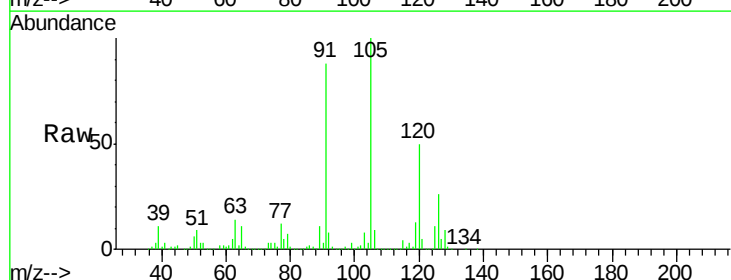
Acq: 09 Aug 2019 16:52

Tgt Ion: 105 Resp: 383859

Ion Ratio Lower Upper

105 100

120 48.9 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.229 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion: 75 Resp: 42280

Ion Ratio Lower Upper

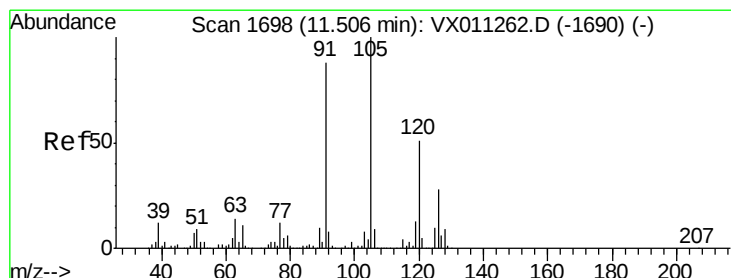
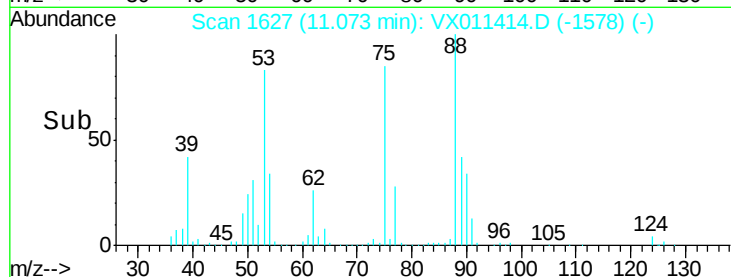
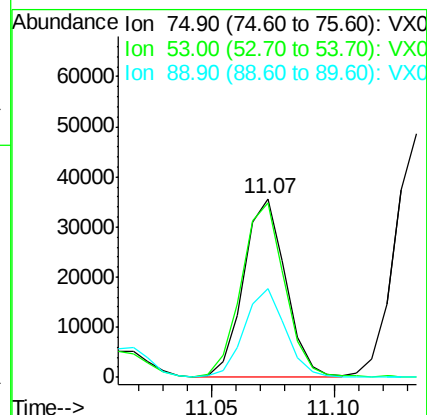
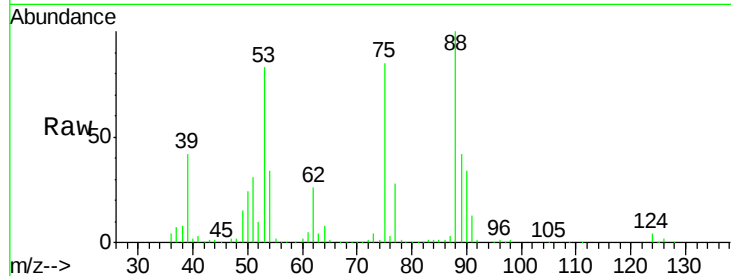
75 100

53 101.0 78.2 117.4

89 48.9 37.9 56.9

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#82

4-Chlorotoluene

Concen: 51.768 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011414.D

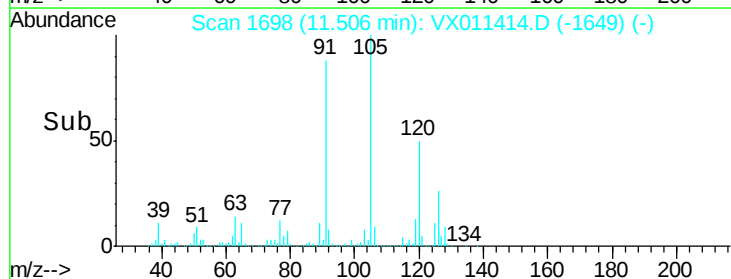
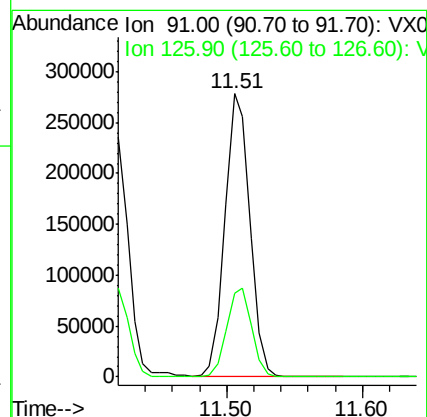
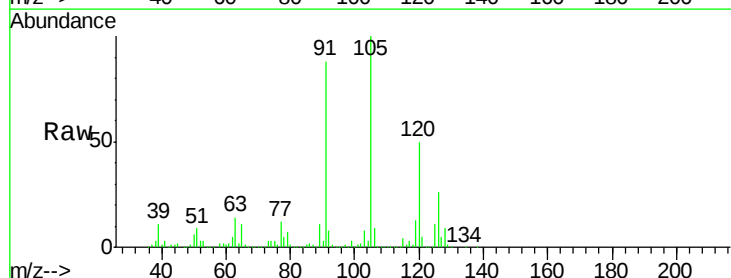
Acq: 09 Aug 2019 16:52

Tgt Ion: 91 Resp: 352849

Ion Ratio Lower Upper

91 100

126 31.4 16.4 49.2





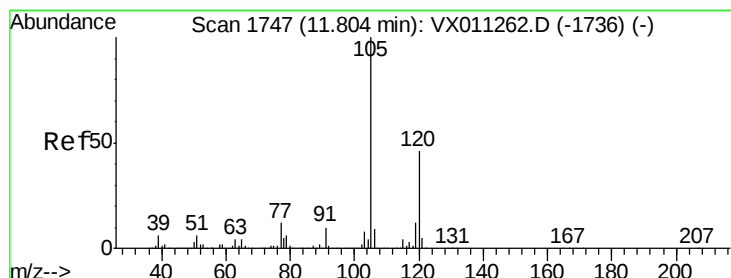
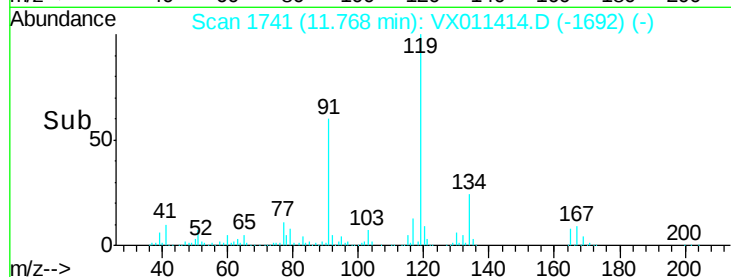
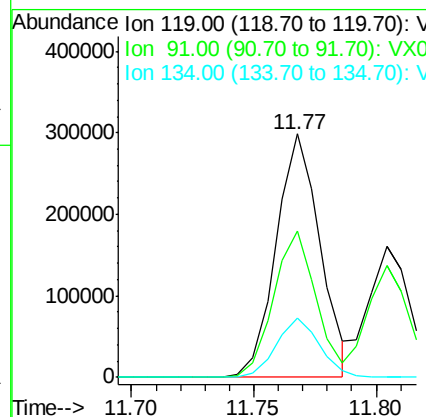
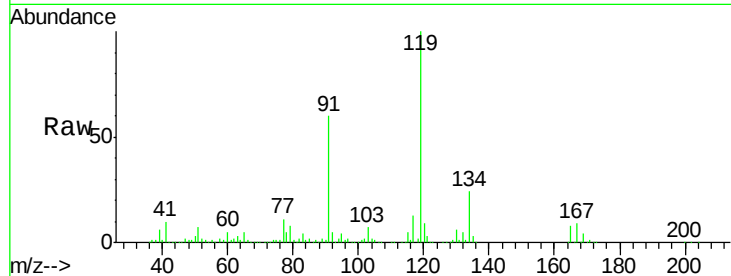
#83
 tert-Butylbenzene
 Concen: 51.764 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Instrument :
 MSVOA_X
 ClientSampled :
 K4779-05MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	374991		
91	58.5	28.0	84.0	
134	23.9	11.9	35.5	

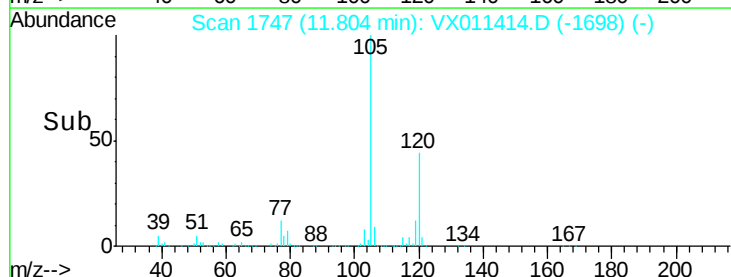
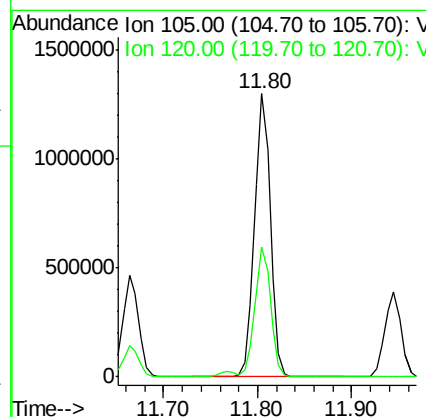
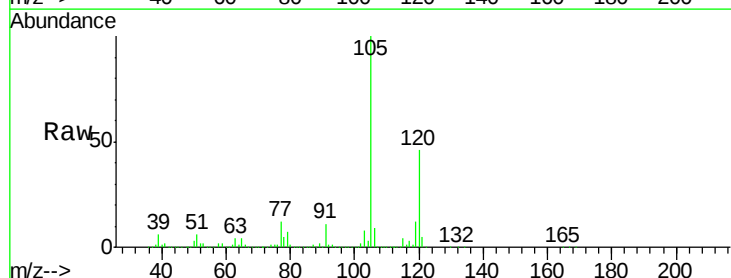
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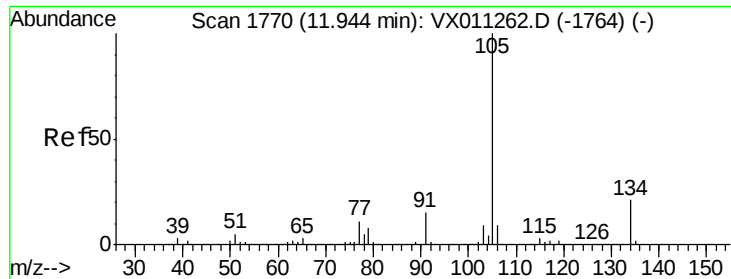
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 209.150 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1538083		
120	45.6	23.0	69.0	





#85

sec-Butylbenzene

Concen: 53.494 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampled :

K4779-05MSD

Tot Ion:105 Resp: 465597

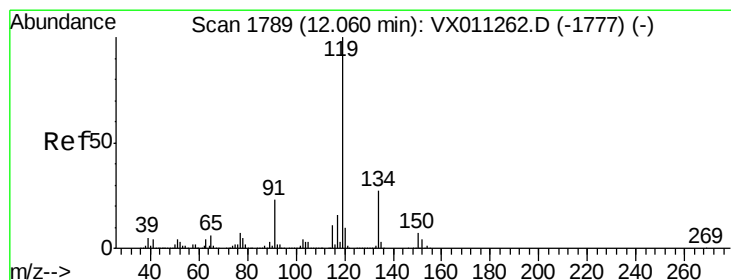
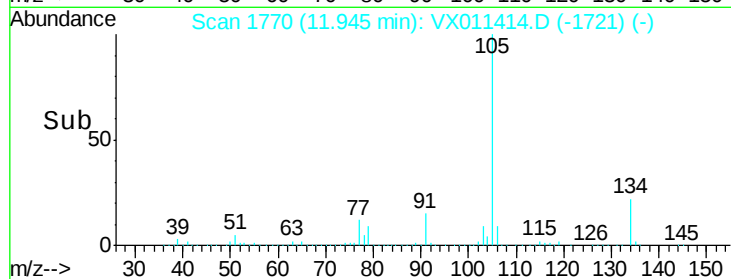
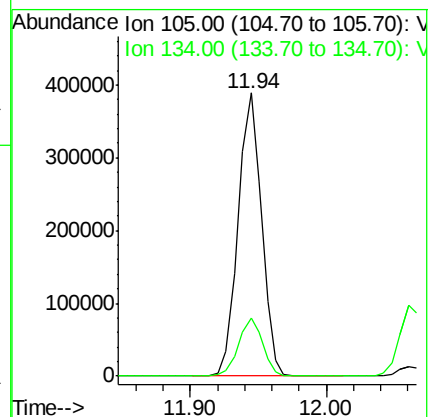
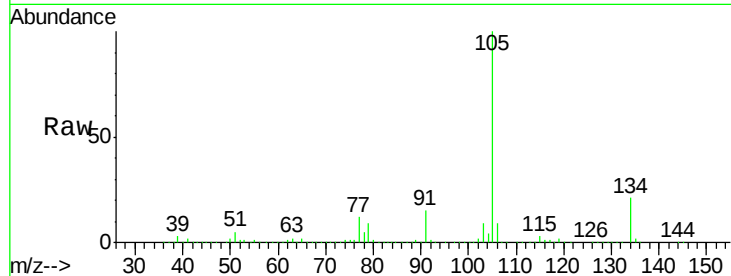
Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 53.045 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

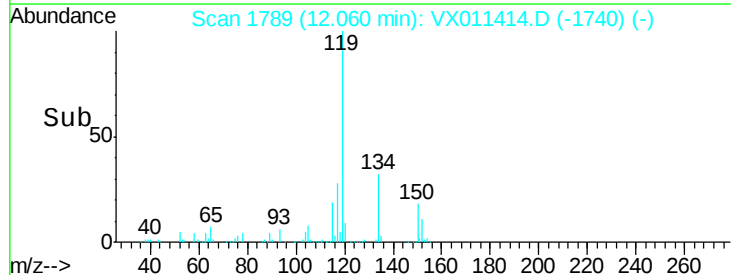
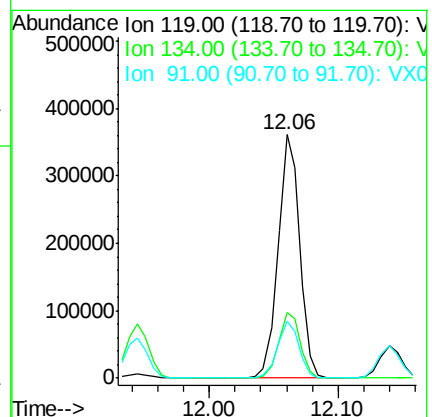
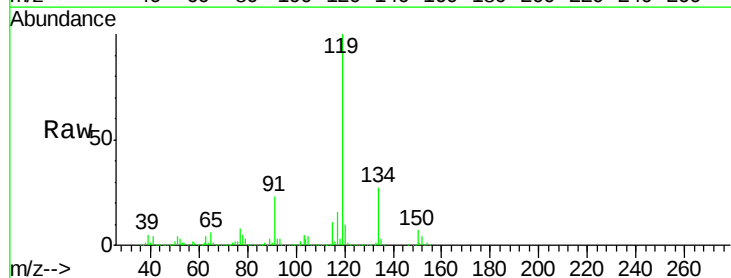
Tgt Ion:119 Resp: 424741

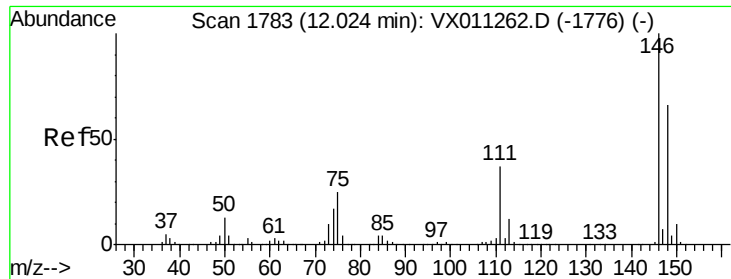
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 23.2 11.4 34.2





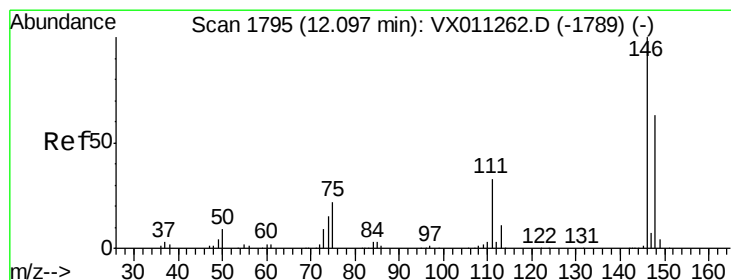
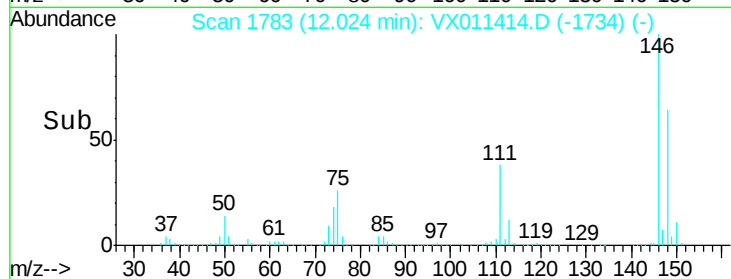
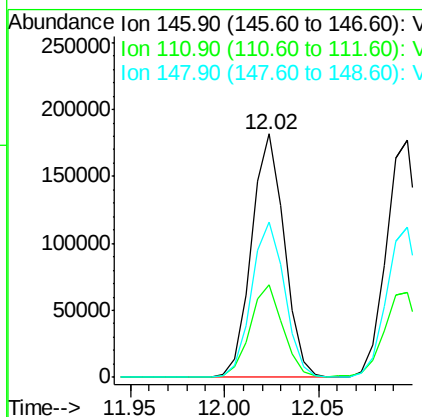
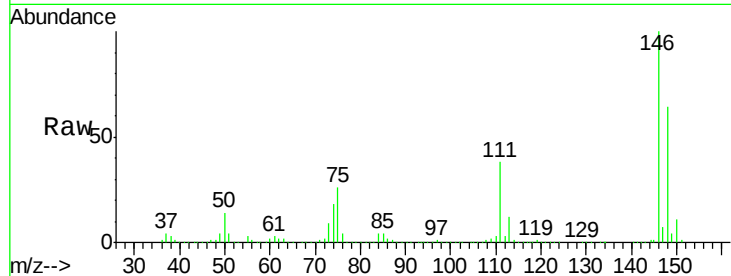
#87
 1,3-Dichlorobenzene
 Concen: 50.629 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.8
148	64.6	32.5	97.5

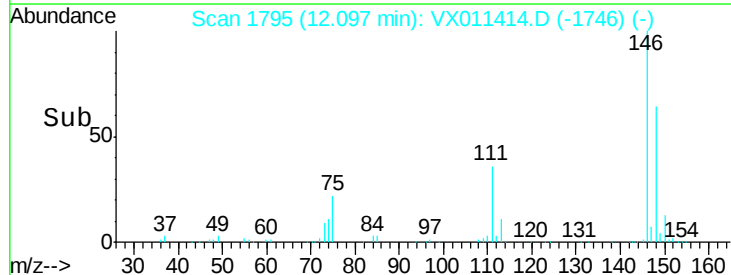
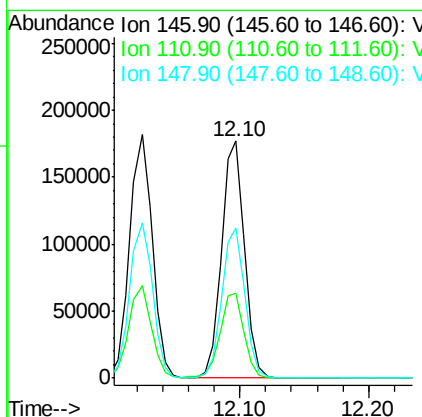
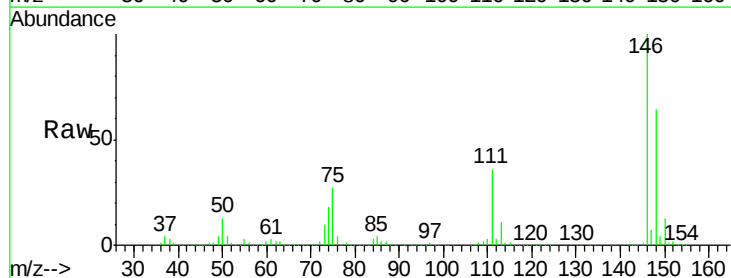
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#88
 1,4-Dichlorobenzene
 Concen: 49.886 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	17.8	53.4
148	63.5	31.8	95.3





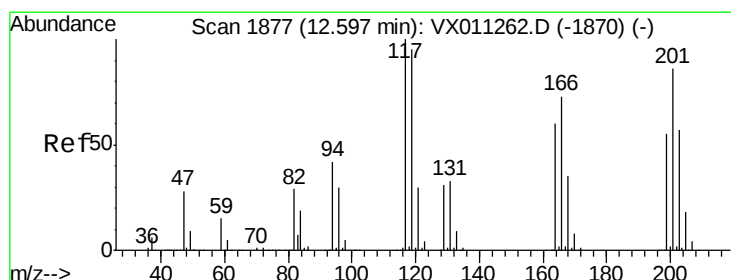
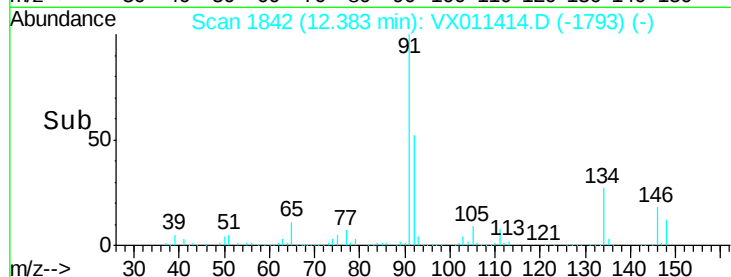
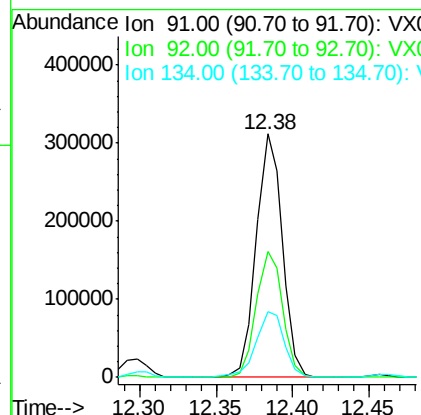
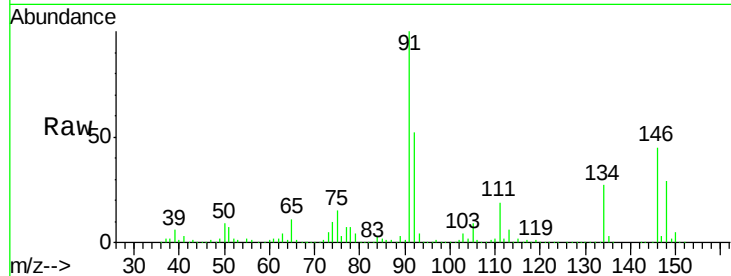
#89
n-Butylbenzene
Concen: 53.714 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Instrument :
MSVOA_X
ClientSampleId :
K4779-05MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.8	77.3
134	29.6	13.7	41.0

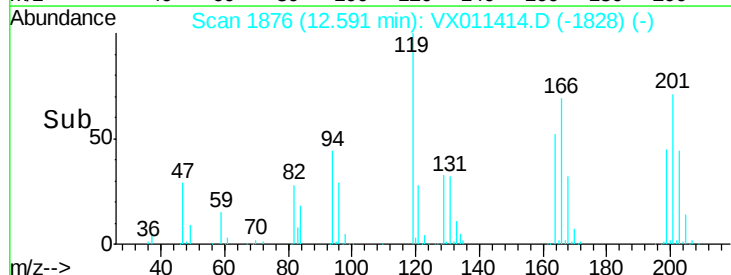
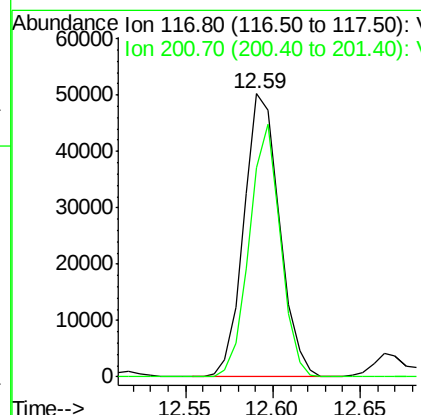
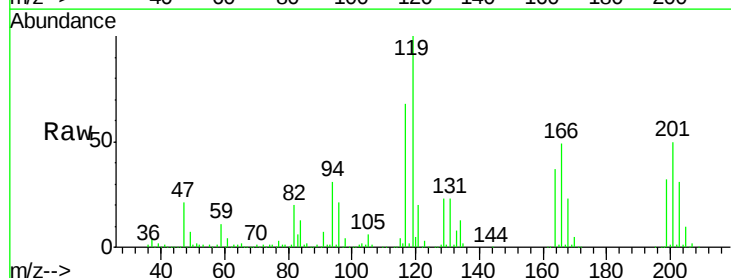
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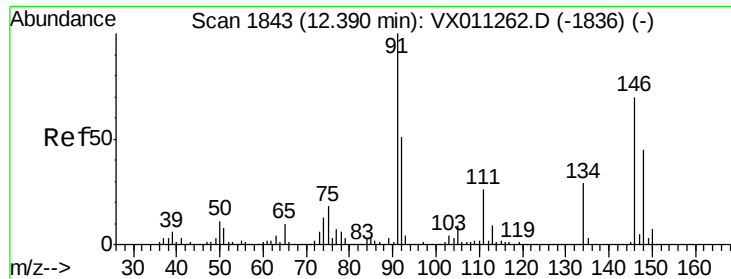
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#90
Hexachloroethane
Concen: 60.226 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011414.D
Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	41.8	125.4





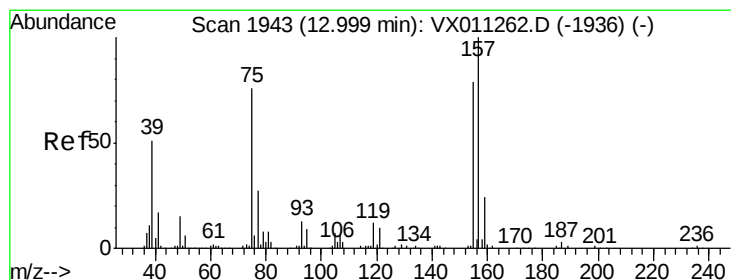
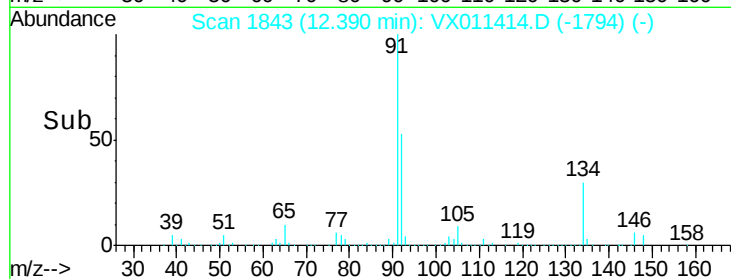
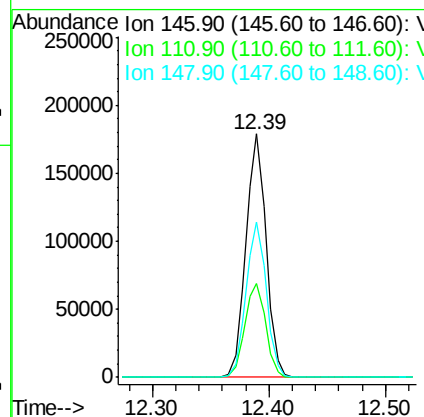
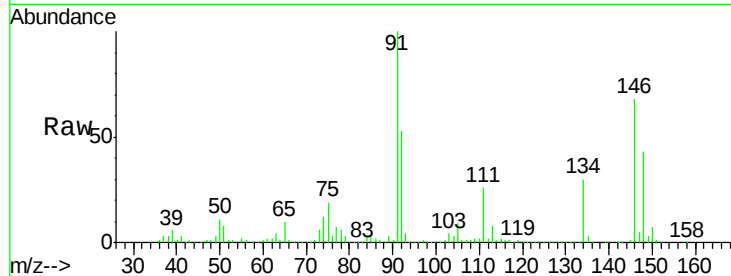
#91
 1,2-Dichlorobenzene
 Concen: 50.077 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	217525		
111	39.6	19.1	57.1	
148	64.2	32.3	96.8	

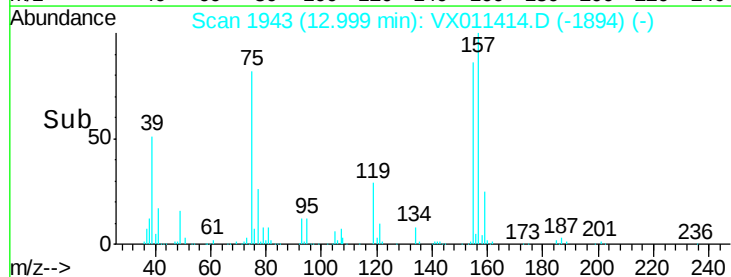
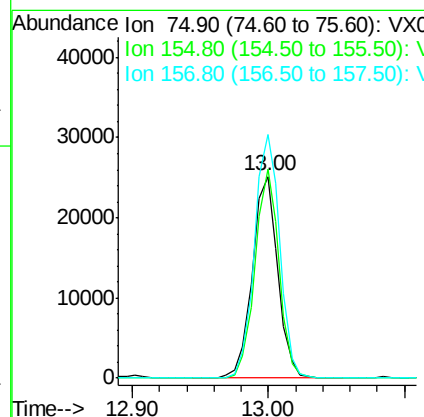
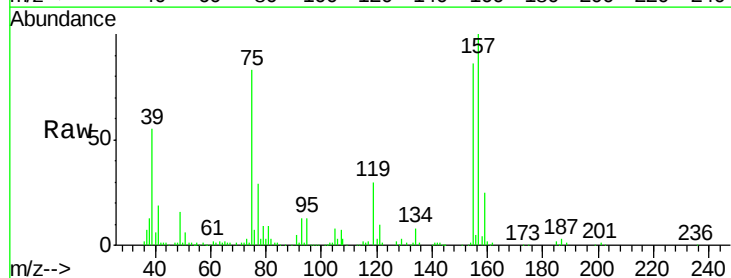
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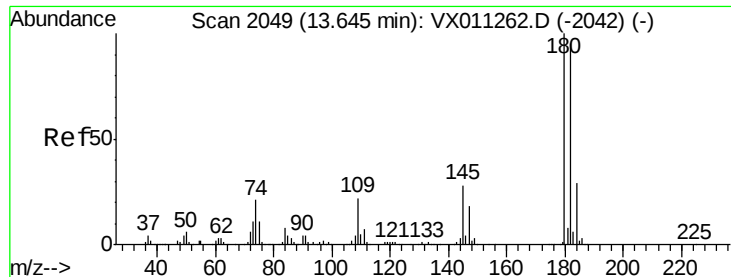
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.114 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33107		
155	97.3	51.9	155.8	
157	119.3	64.3	192.7	





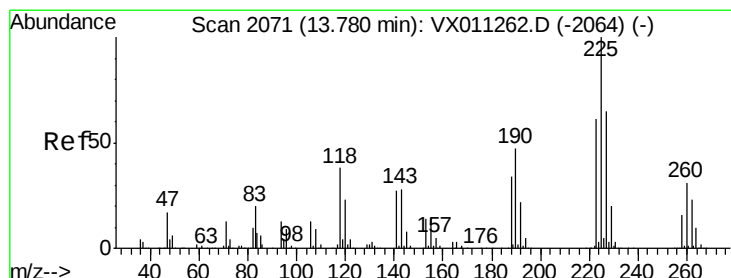
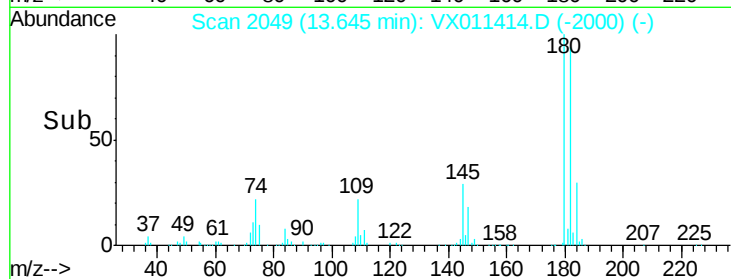
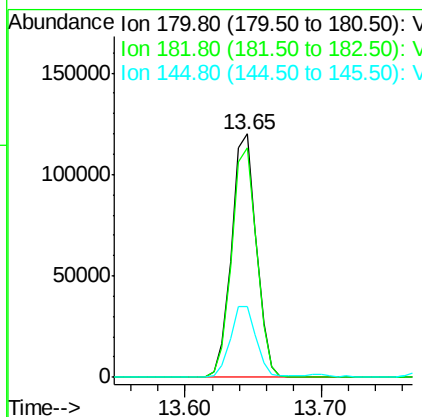
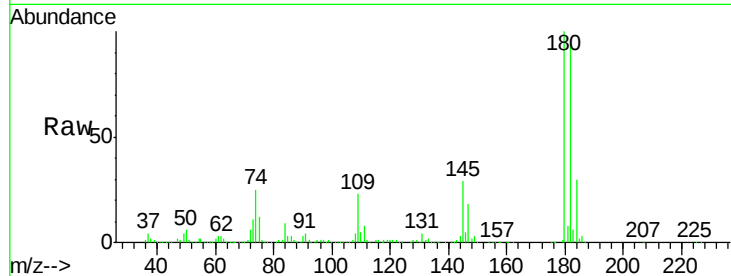
#93
 1,2,4-Trichlorobenzene
 Concen: 52.683 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151766		
182	95.5	47.8	143.4	
145	30.5	14.8	44.3	

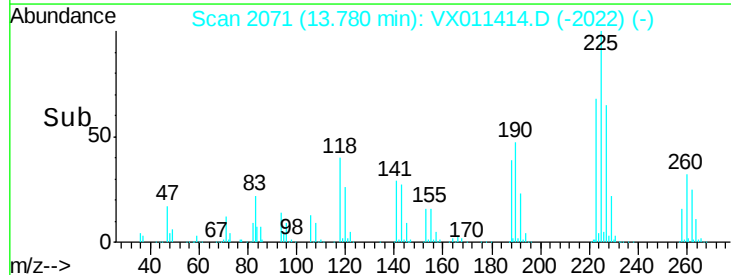
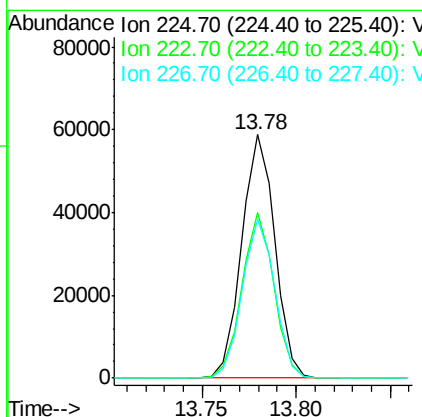
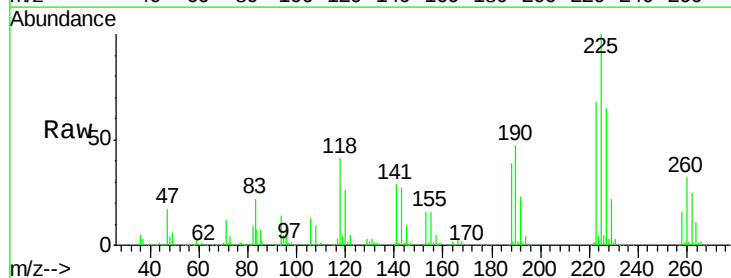
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 48.965 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011414.D
 Acq: 09 Aug 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71564		
223	65.6	31.0	93.0	
227	63.9	32.2	96.6	





#95

Naphthalene

Concen: 121.804 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

K4779-05MSD

Tot Ion:128 Resp: 1026118

Ion Ratio Lower Upper

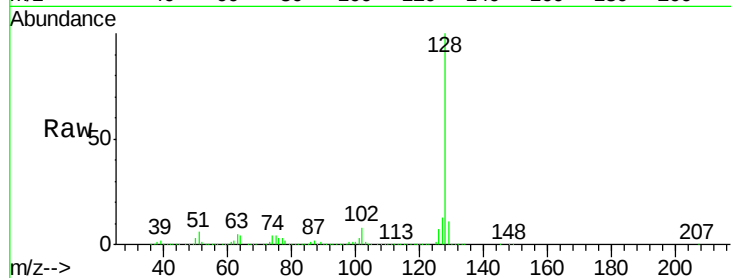
128 100

127 13.1 10.4 15.6

129 10.9 8.9 13.3

Manual Integrations
APPROVED

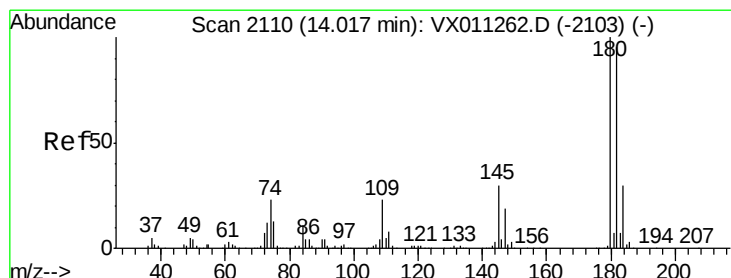
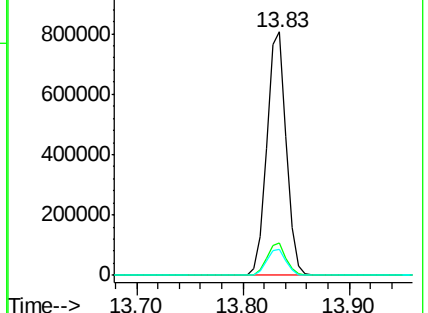
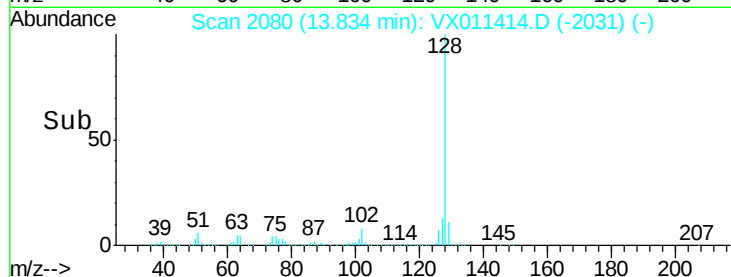
MMDadoda
8/12/2019 12:50:43 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.134 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011414.D

Acq: 09 Aug 2019 16:52

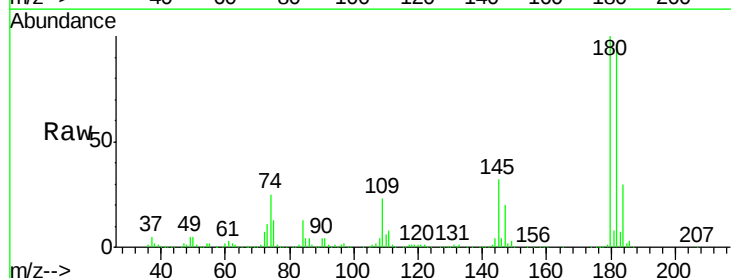
Tgt Ion:180 Resp: 152681

Ion Ratio Lower Upper

180 100

182 96.0 47.4 142.3

145 32.6 15.2 45.6



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

