

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070919\
 Data File : VX010747.D
 Acq On : 09 Jul 2019 13:51
 Operator : JC/SP
 Sample : VX0709WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 10:19:39 AM

Quant Time: Jul 10 02:26:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	208950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311962	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	285548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148808	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	99202	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	5.50	113	93759	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	8.71	98	349408	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.13	95	125300	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	34697	23.885	ug/l	99
3) Chloromethane	1.32	50	37016	21.883	ug/l	95
4) Vinyl Chloride	1.41	62	39790	21.476	ug/l	97
5) Bromomethane	1.64	94	23575	26.118	ug/l	94
6) Chloroethane	1.72	64	25015	22.885	ug/l	99
7) Trichlorofluoromethane	1.93	101	66972	22.802	ug/l	97
8) Diethyl Ether	2.19	74	23286	22.108	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	38212	21.469	ug/l	99
10) Methyl Iodide	2.51	142	43632	17.177	ug/l	97
11) Tert butyl alcohol	3.04	59	44491	86.789	ug/l	98
12) 1,1-Dichloroethene	2.37	96	37880	20.915	ug/l	98
13) Acrolein	2.29	56	27101	79.692	ug/l	98
14) Allyl chloride	2.73	41	54326	21.128	ug/l	97
15) Acrylonitrile	3.14	53	109274	107.663	ug/l	100
16) Acetone	2.45	43	88673	90.312	ug/l	98
17) Carbon Disulfide	2.57	76	89675	18.455	ug/l	100
18) Methyl Acetate	2.78	43	43703	22.333	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	121054	21.246	ug/l	100
20) Methylene Chloride	2.85	84	43240	21.400	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	39721	20.392	ug/l	97
22) Diisopropyl ether	3.86	45	117272	21.814	ug/l #	87
23) Vinyl Acetate	3.82	43	499355	107.521	ug/l	97
24) 1,1-Dichloroethane	3.70	63	66894	21.527	ug/l	99
25) 2-Butanone	4.67	43	144321	100.206	ug/l	99
26) 2,2-Dichloropropane	4.58	77	50129	18.570	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	46085	20.474	ug/l	97
28) Bromochloromethane	5.02	49	28679	19.303	ug/l	92
29) Tetrahydrofuran	5.13	42	93950	105.313	ug/l	99
30) Chloroform	5.21	83	70841	21.188	ug/l	97
31) Cyclohexane	5.58	56	61099	21.591	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	60746	20.576	ug/l	99
36) 1,1-Dichloropropene	5.80	75	51321	20.702	ug/l	99
37) Ethyl Acetate	4.84	43	54254	21.273	ug/l	98
38) Carbon Tetrachloride	5.79	117	52640	19.609	ug/l	98

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Manual Integrations
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MMDadoda
 7/10/2019 10:19:39 AM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65546	20.115	ug/l	93
40) Benzene	6.14	78	162151	20.995	ug/l	100
41) Methacrylonitrile	5.04	41	29326	20.957	ug/l	98
42) 1,2-Dichloroethane	6.20	62	53659	22.824	ug/l	100
43) Isopropyl Acetate	6.45	43	85487	20.260	ug/l	99
44) Trichloroethene	7.21	130	46664	20.192	ug/l	97
45) 1,2-Dichloropropane	7.51	63	39897	20.456	ug/l	99
46) Dibromomethane	7.66	93	29458	21.051	ug/l	95
47) Bromodichloromethane	7.90	83	49256	19.207	ug/l	99
48) Methyl methacrylate	7.77	41	41873	21.350	ug/l	97
49) 1,4-Dioxane	7.74	88	22053	390.326	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	291449	108.000	ug/l	98
52) Toluene	8.78	92	105562	20.755	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	51763	18.004	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	60043	19.217	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	43657	20.813	ug/l	98
56) Ethyl methacrylate	9.18	69	64325	20.243	ug/l	97
57) 1,3-Dichloropropane	9.37	76	68748	21.113	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	136955	90.751	ug/l	99
59) 2-Hexanone	9.49	43	224838	105.861	ug/l	98
60) Dibromochloromethane	9.58	129	42648	18.159	ug/l	99
61) 1,2-Dibromoethane	9.67	107	46288	20.444	ug/l	100
64) Tetrachloroethene	9.34	164	46197	20.002	ug/l	99
65) Chlorobenzene	10.14	112	119083	20.542	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	41271	19.545	ug/l	98
67) Ethyl Benzene	10.25	91	202659	20.707	ug/l	99
68) m/p-Xylenes	10.36	106	155741	41.069	ug/l	98
69) o-Xylene	10.69	106	76255	20.448	ug/l	99
70) Styrene	10.71	104	128584	20.560	ug/l	98
71) Bromoform	10.85	173	30447	16.580	ug/l #	96
73) Isopropylbenzene	11.02	105	203381	20.162	ug/l	99
74) N-amyl acetate	10.90	43	77693	20.380	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	67901	20.326	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	61527m	22.690	ug/l	
77) Bromobenzene	11.26	156	54276	19.270	ug/l	96
78) n-propylbenzene	11.36	91	224689	20.267	ug/l	99
79) 2-Chlorotoluene	11.42	91	132044	20.002	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	169660	20.402	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	16915	14.552	ug/l #	86
82) 4-Chlorotoluene	11.51	91	153111	20.382	ug/l	99
83) tert-Butylbenzene	11.77	119	164425	19.700	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	169735	20.316	ug/l	100
85) sec-Butylbenzene	11.94	105	199097	20.316	ug/l	99
86) p-Isopropyltoluene	12.06	119	181849	20.062	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	95348	19.393	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	97719	19.523	ug/l	98
89) n-Butylbenzene	12.38	91	150010	19.475	ug/l	99
90) Hexachloroethane	12.60	117	26188	16.708	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	97179	19.887	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12907	17.920	ug/l	90

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

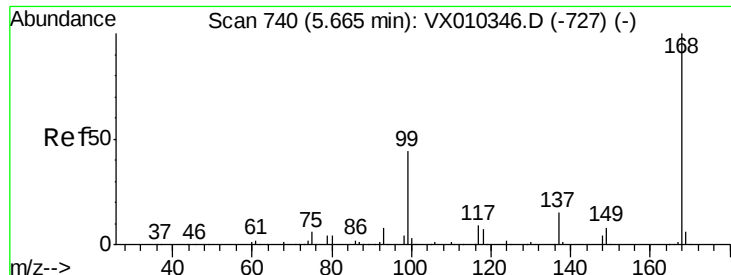
Manual Integrations
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7/10/2019 10:19:39 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	64330	18.983	ug/l	98
94) Hexachlorobutadiene	13.78	225	31345	18.926	ug/l	97
95) Naphthalene	13.83	128	196553	18.874	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	66007	19.591	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion:168 Resp: 208950

Ion Ratio Lower Upper

168 100

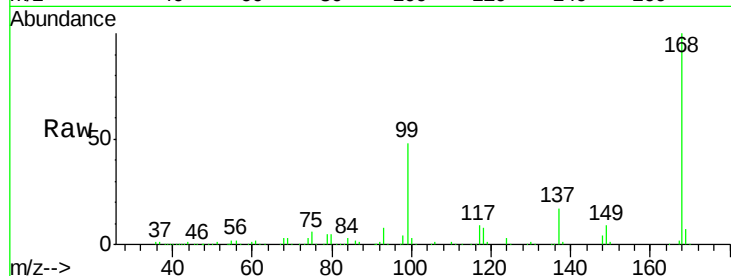
99 48.3 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

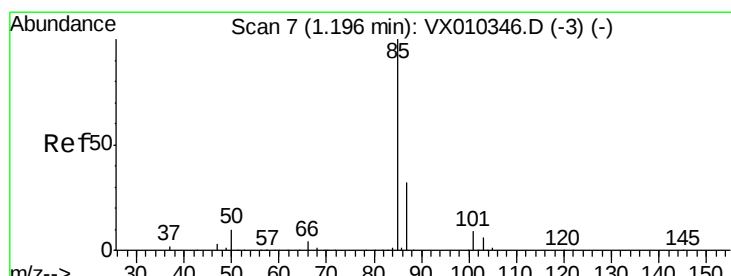
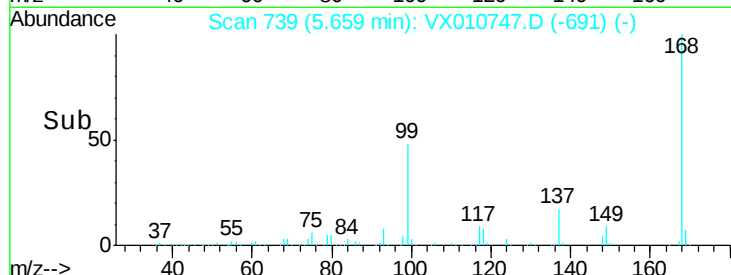
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 23.885 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010747.D

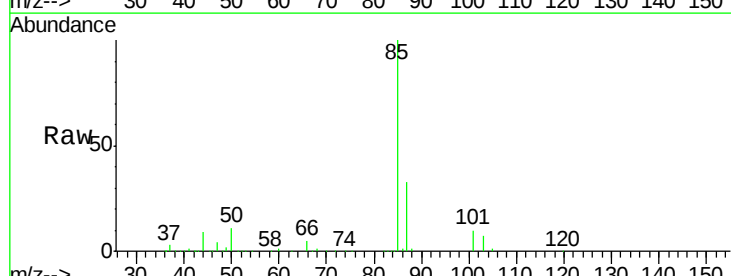
Acq: 09 Jul 2019 13:51

Tgt Ion: 85 Resp: 34697

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

30000

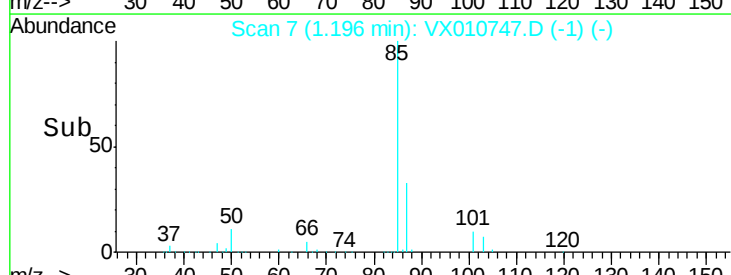
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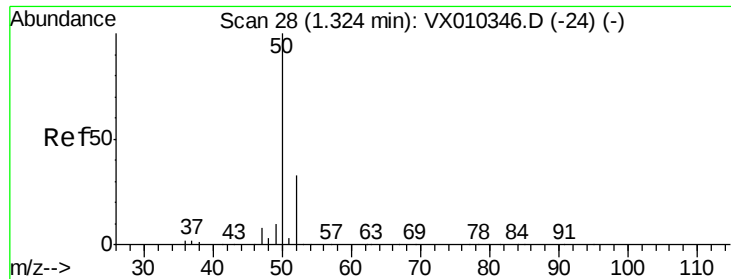
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 21.883 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 50 Resp: 37016

Ion Ratio Lower Upper

50 100

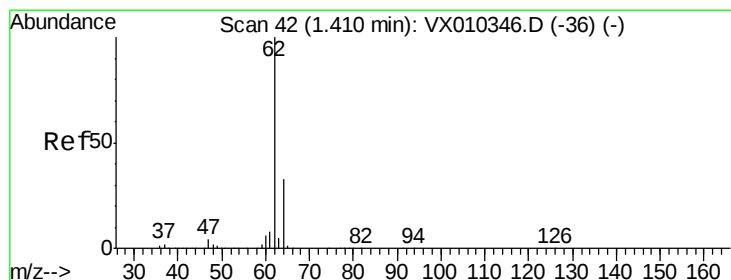
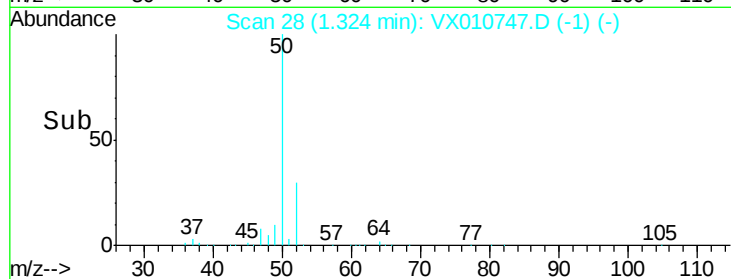
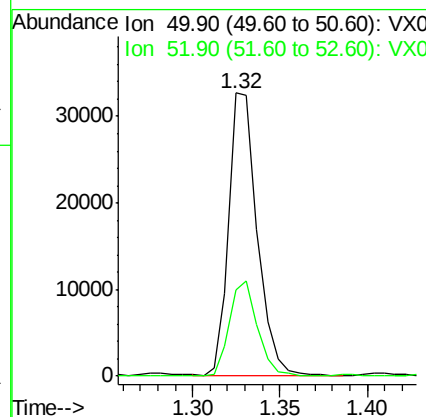
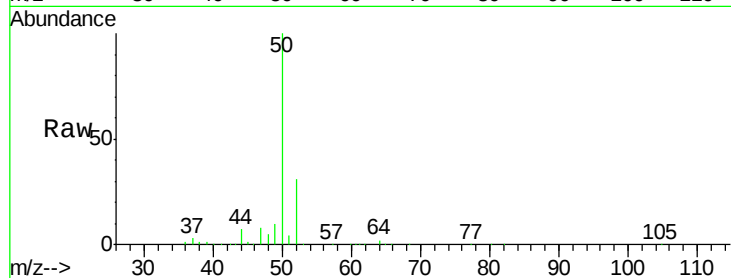
52 30.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.476 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010747.D

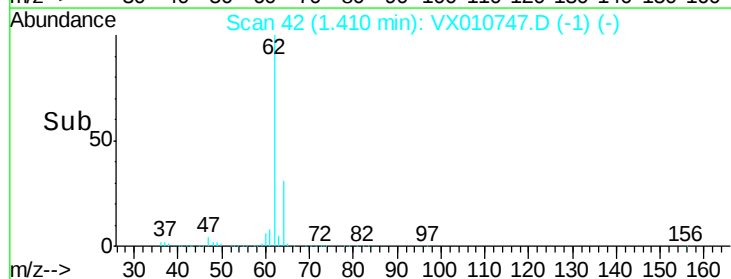
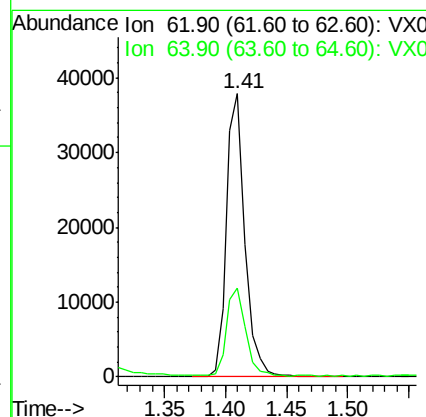
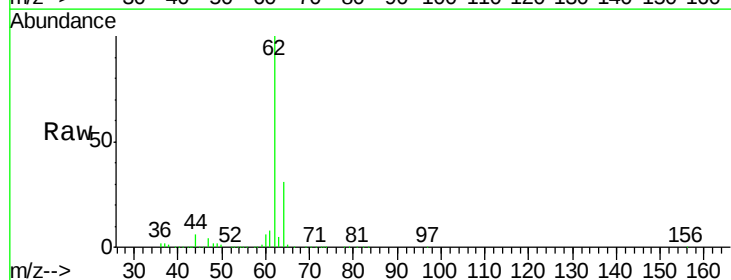
Acq: 09 Jul 2019 13:51

Tgt Ion: 62 Resp: 39790

Ion Ratio Lower Upper

62 100

64 31.0 26.2 39.4





#5

Bromomethane

Concen: 26.118 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 94 Resp: 23575

Ion Ratio Lower Upper

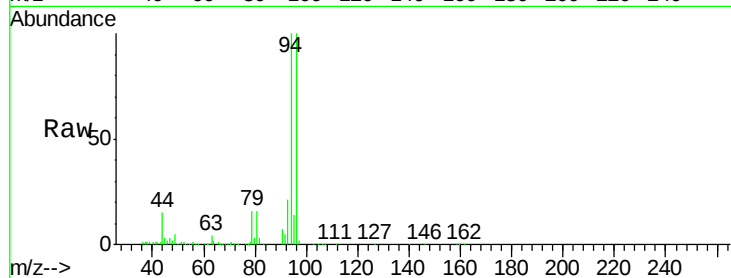
94 100

96 100.0 75.5 113.3

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

10000

5000

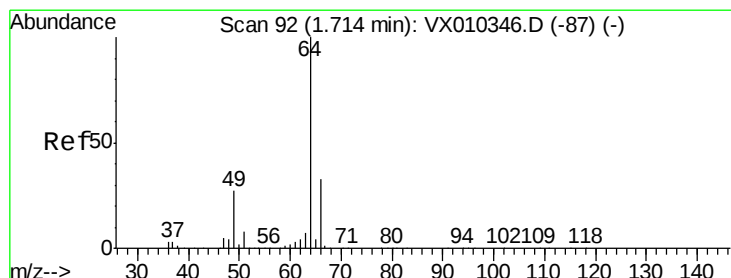
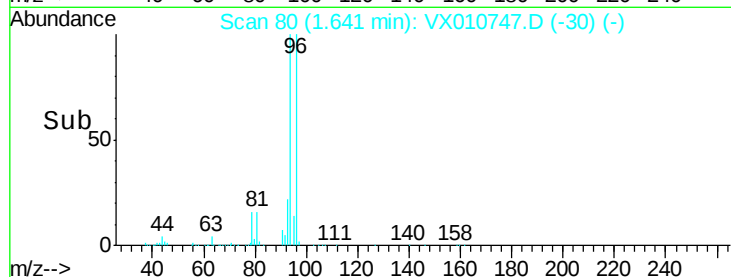
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 22.885 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010747.D

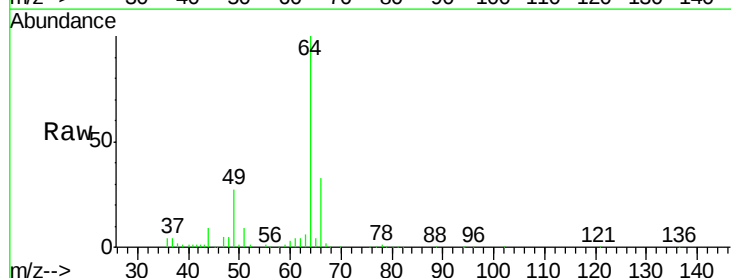
Acq: 09 Jul 2019 13:51

Tgt Ion: 64 Resp: 25015

Ion Ratio Lower Upper

64 100

66 33.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

15000

10000

5000

0

1.65

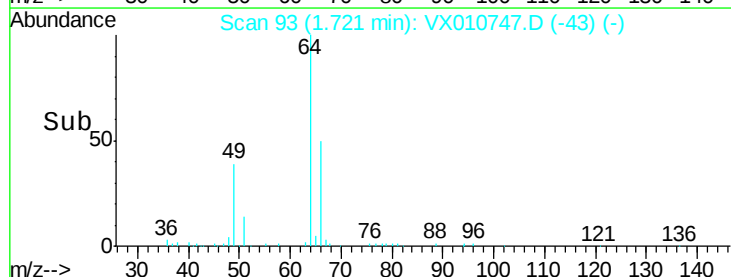
1.70

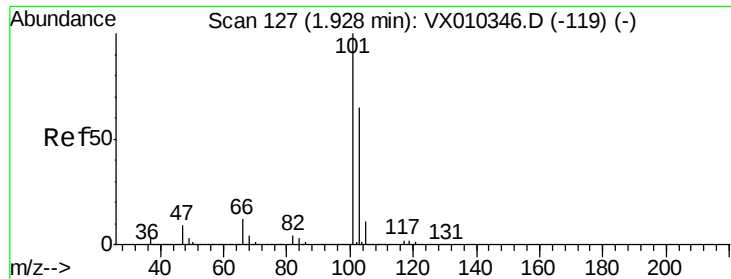
1.75

1.80

1.85

Time-->





#7

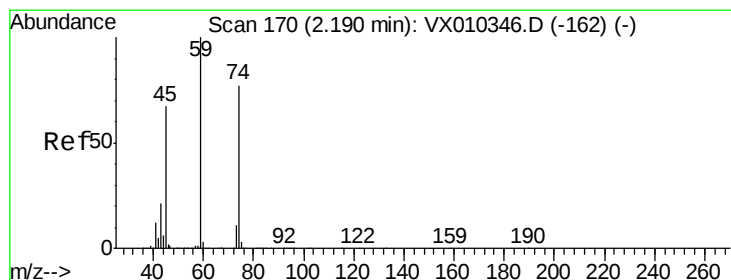
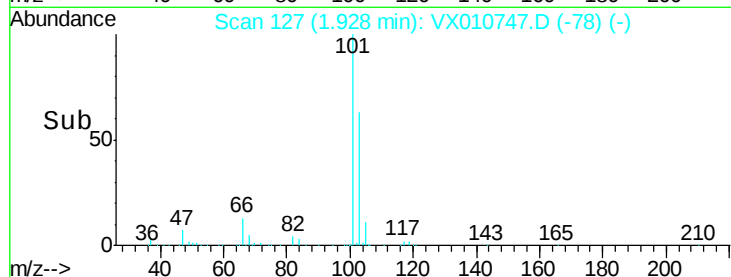
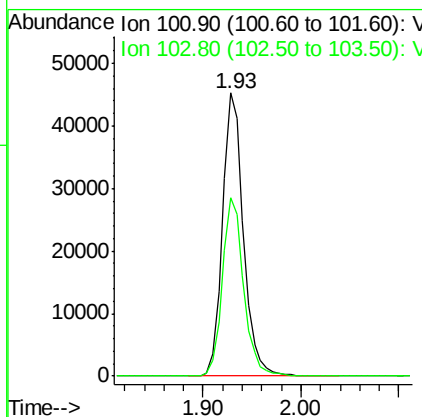
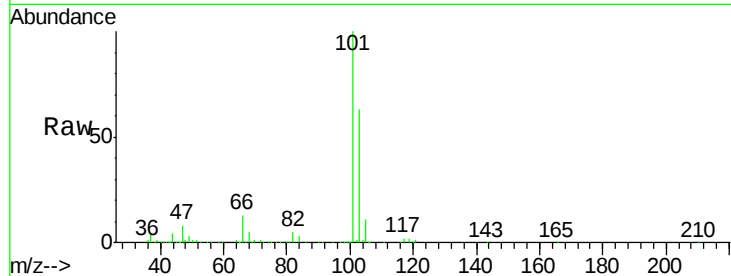
Trichlorofluoromethane
 Concen: 22.802 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Instrument :
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 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.3	78.5

Manual Integrations
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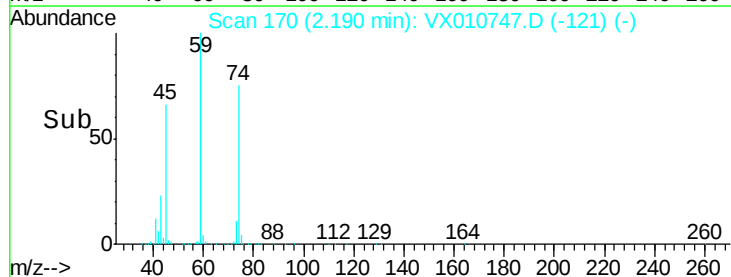
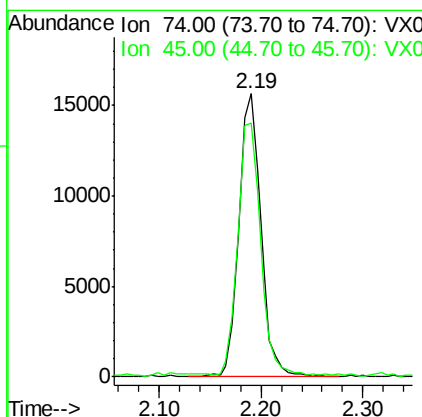
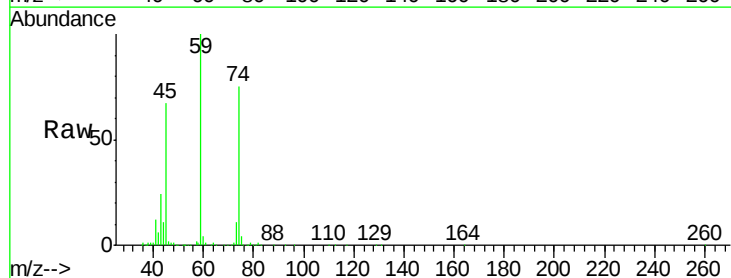
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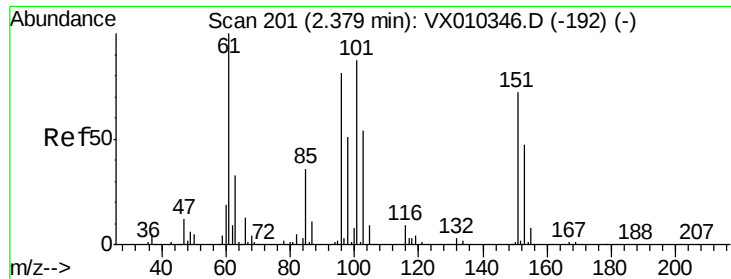


#8

Diethyl Ether
 Concen: 22.108 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.469 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

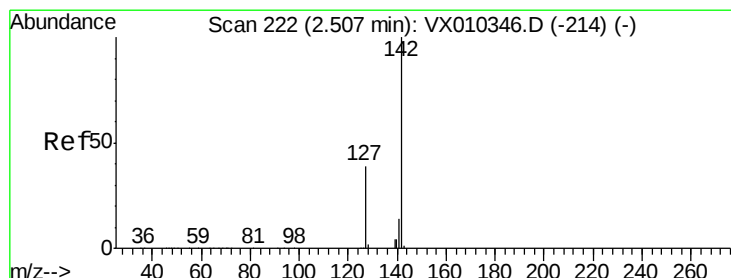
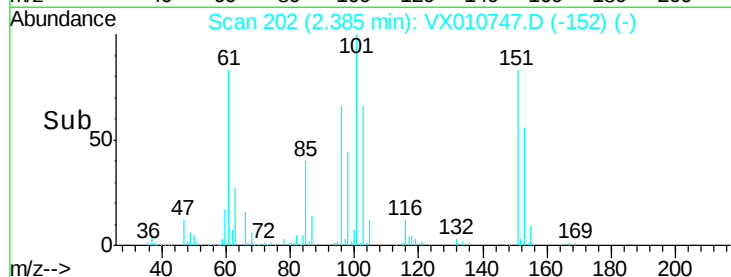
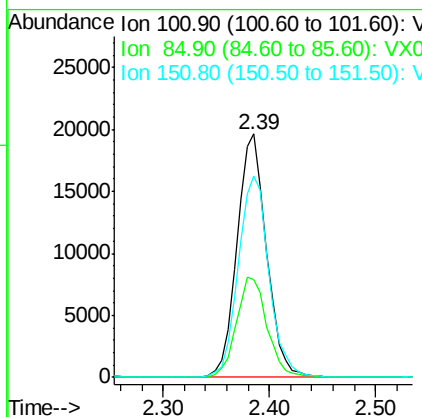
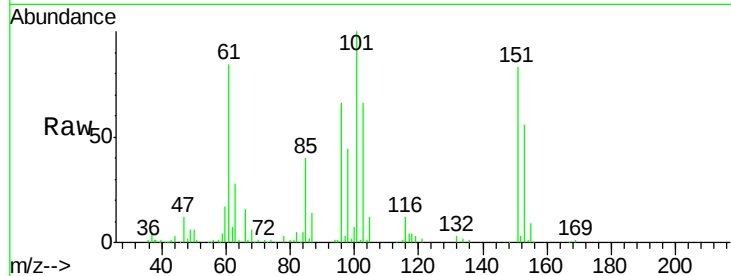
ClientSampleId :

VX0709WBSD01

Tot Ion:	101	Resp:	38212
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.7	50.5
151	86.5	70.1	105.1

Manual Integrations
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7/10/2019 10:19:39 AM



#10

Methyl Iodide

Concen: 17.177 ug/l

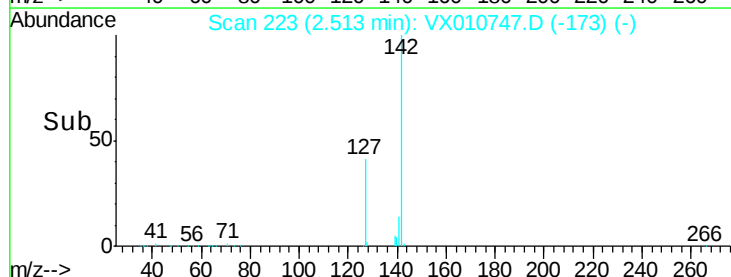
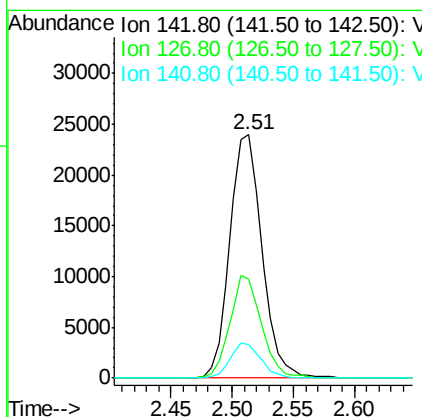
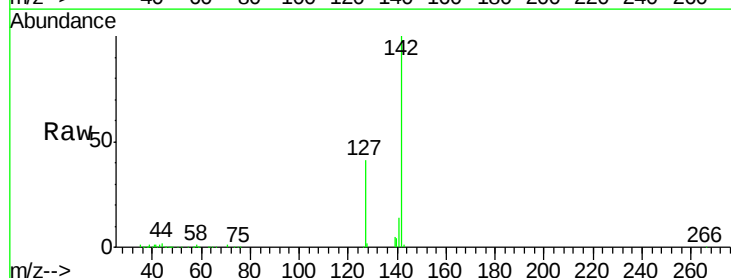
RT: 2.51 min Scan# 223

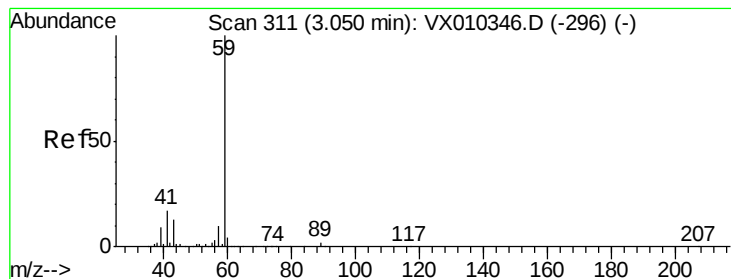
Delta R.T. 0.01 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Tgt Ion:	142	Resp:	43632
Ion Ratio	Lower	Upper	
142	100		
127	41.3	31.1	46.7
141	13.9	11.2	16.8





#11

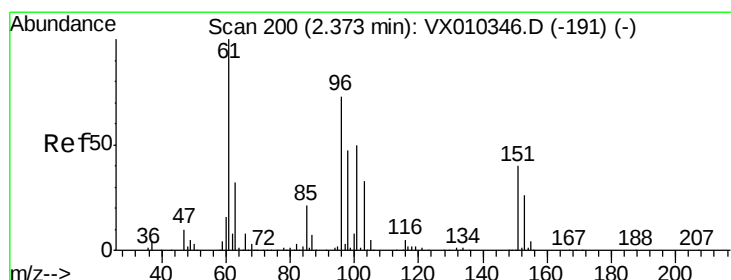
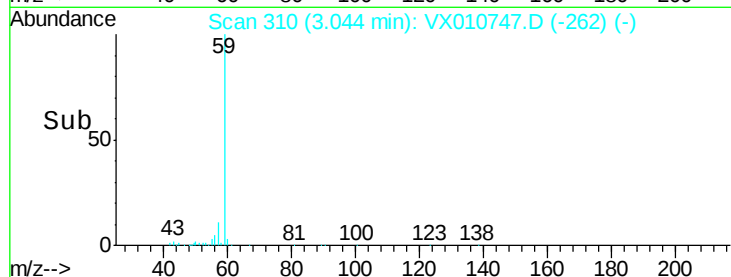
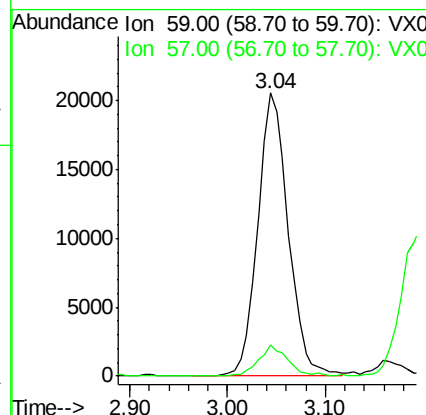
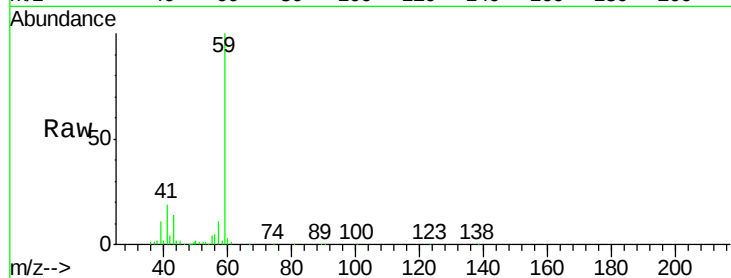
Tert butyl alcohol
Concen: 86.789 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	59	Resp	44491
Ion Ratio	100	Lower	Upper
57	10.4	7.7	11.5

Manual Integrations
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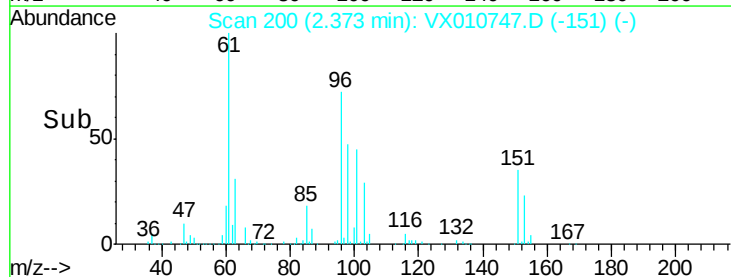
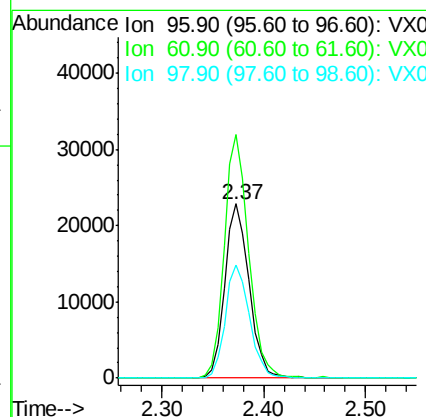
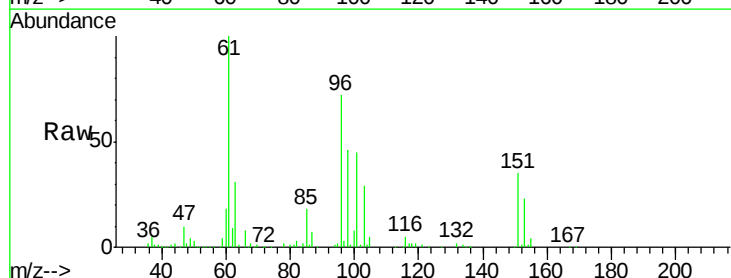
MMDadoda
7/10/2019 10:19:39 AM



#12

1,1-Dichloroethene
Concen: 20.915 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	96	Resp	37880
Ion Ratio	100	Lower	Upper
61	139.6	109.2	163.8
98	64.9	51.1	76.7





#13

Acrolein

Concen: 79.692 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 56 Resp: 27101

Ion Ratio Lower Upper

56 100

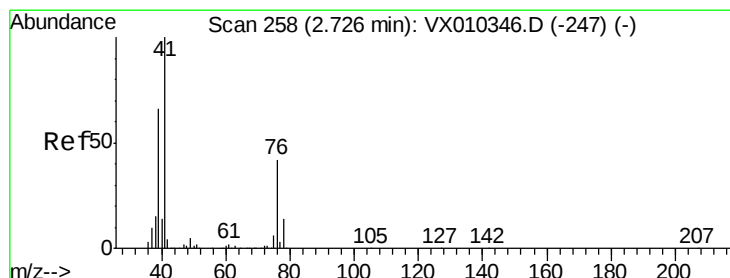
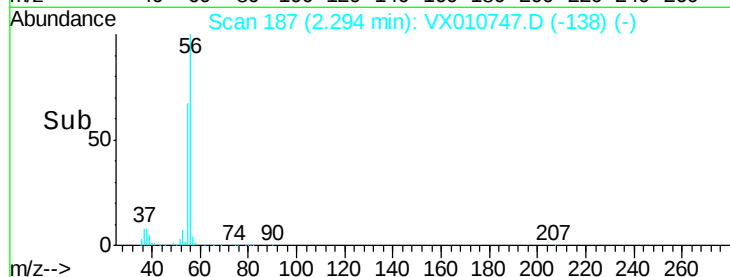
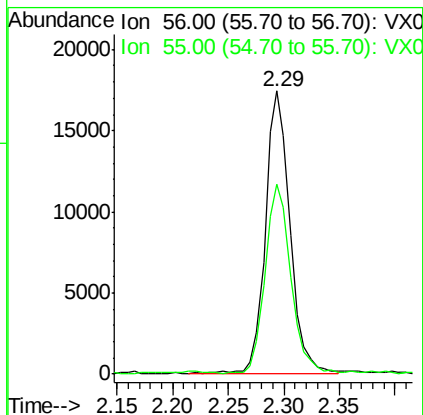
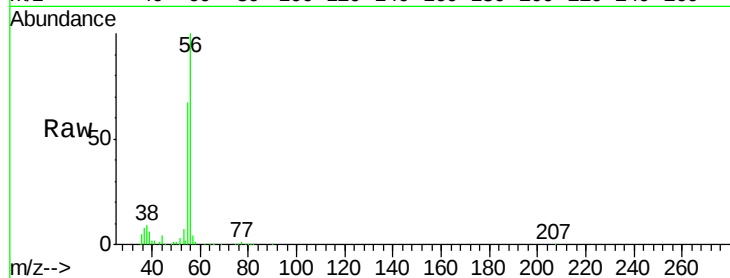
55 69.4 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 21.128 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

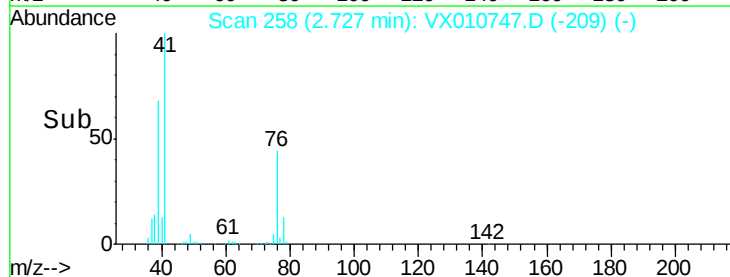
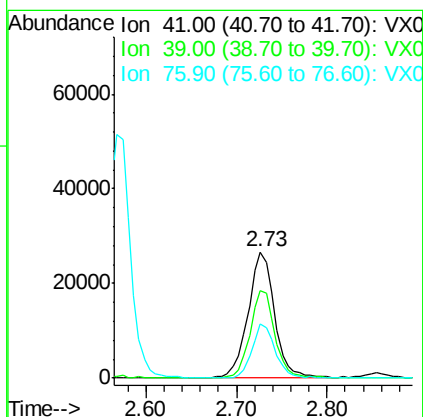
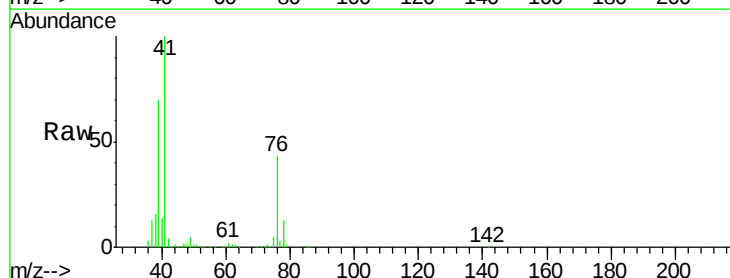
Tgt Ion: 41 Resp: 54326

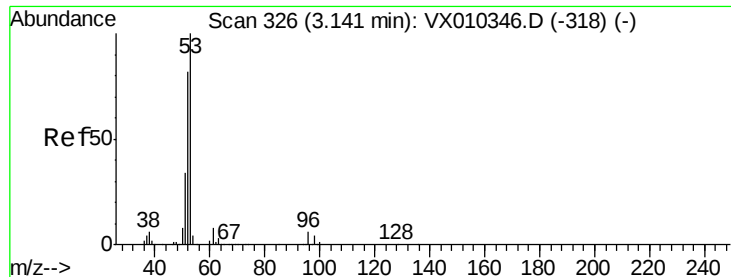
Ion Ratio Lower Upper

41 100

39 65.3 50.3 75.5

76 37.7 31.3 46.9





#15

Acrylonitrile

Concen: 107.663 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

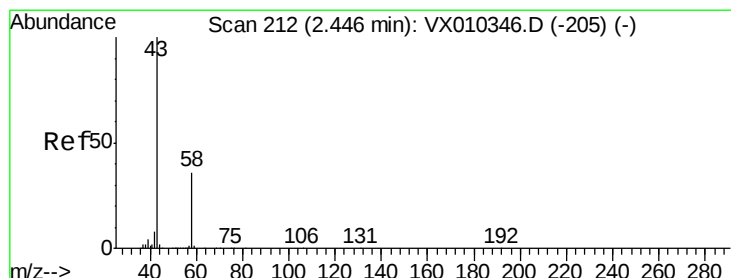
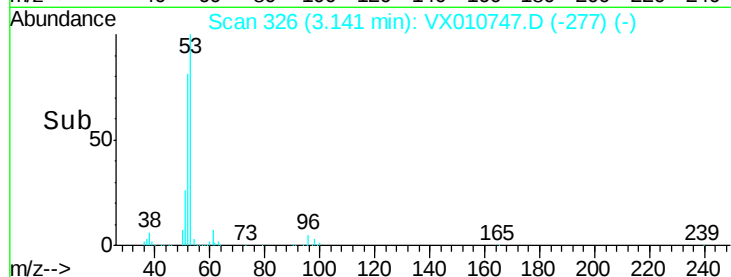
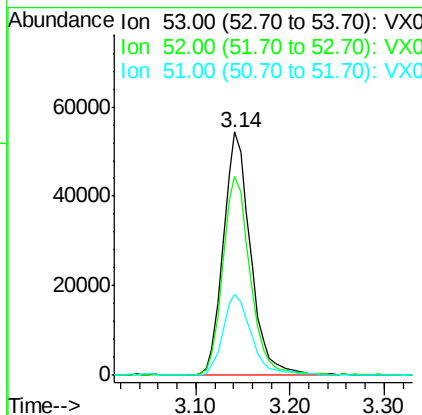
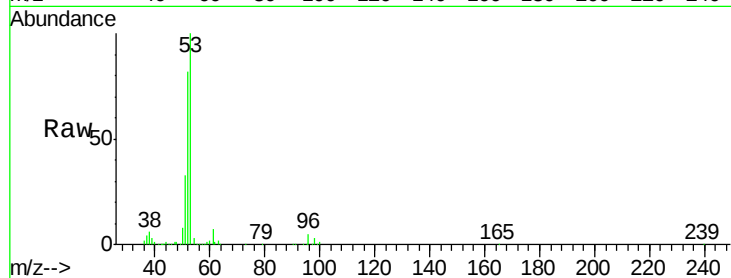
ClientSampled :

VX0709WBSD01

Tot Ion:	53	Resp:	109274
Ion Ratio		Lower	Upper
53	100		
52	82.1	65.5	98.3
51	34.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 90.312 ug/l

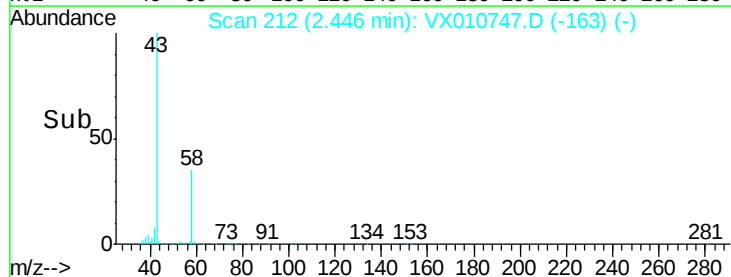
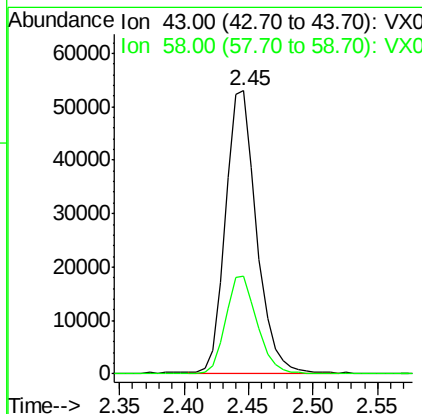
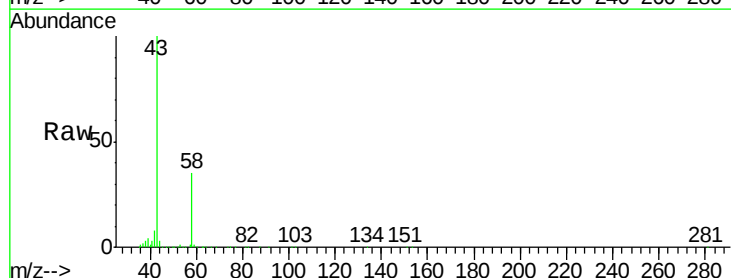
RT: 2.45 min Scan# 212

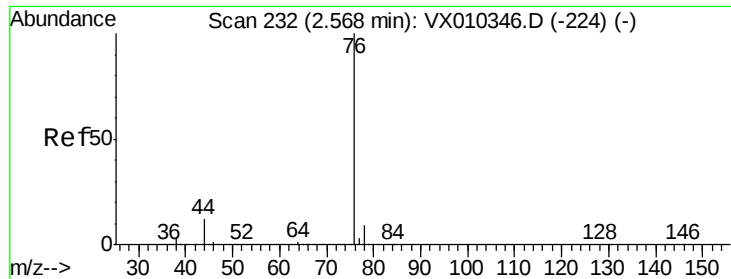
Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Tgt Ion:	43	Resp:	88673
Ion Ratio		Lower	Upper
43	100		
58	34.7	28.9	43.3





#17

Carbon Disulfide

Concen: 18.455 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 76 Resp: 89675

Ion Ratio Lower Upper

76 100

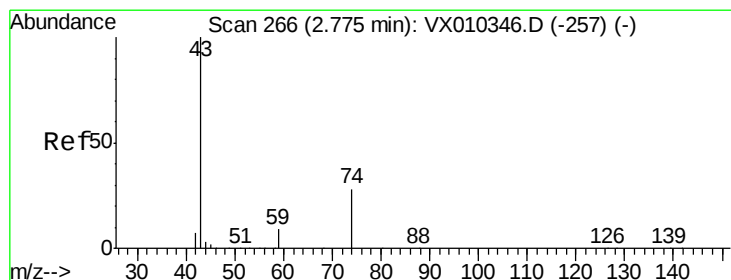
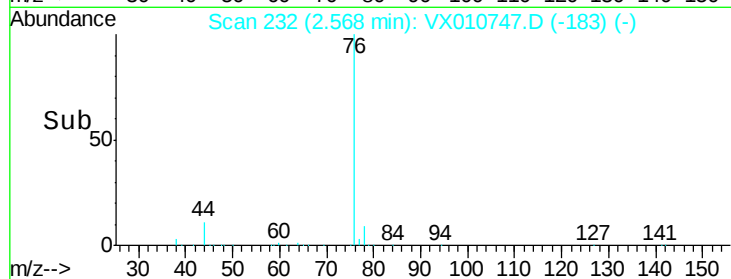
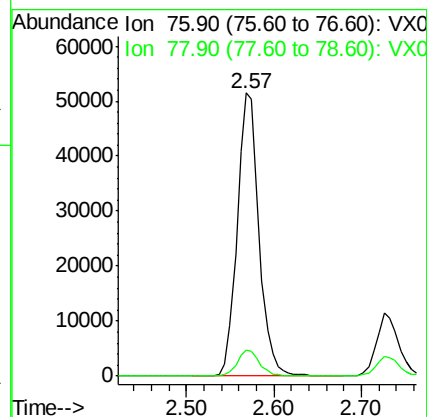
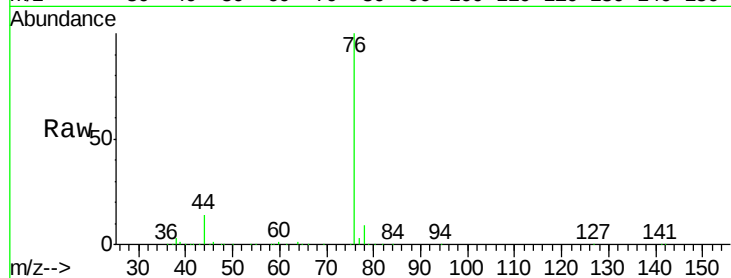
78 9.2 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 22.333 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010747.D

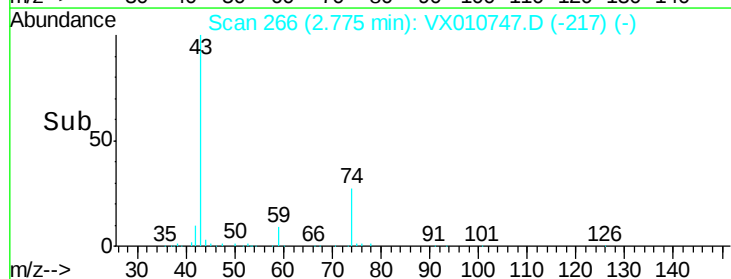
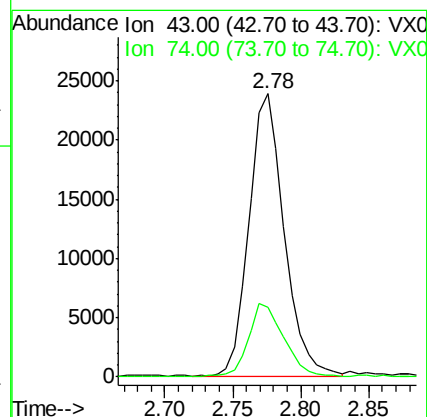
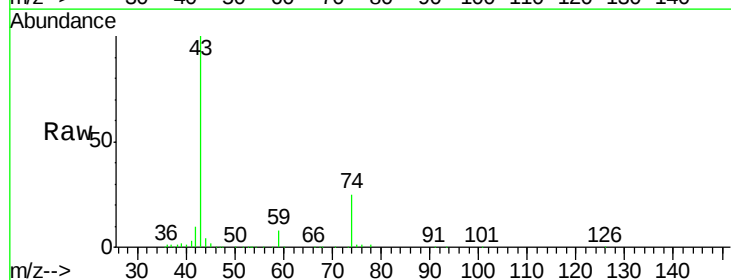
Acq: 09 Jul 2019 13:51

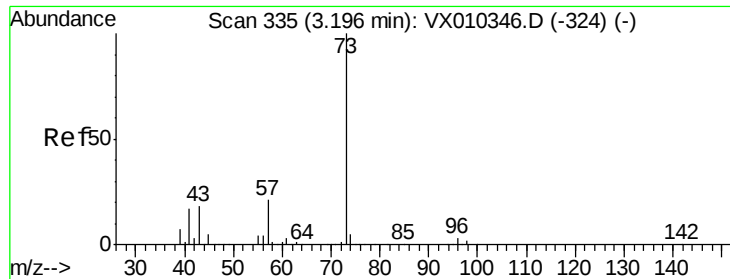
Tgt Ion: 43 Resp: 43703

Ion Ratio Lower Upper

43 100

74 26.5 21.3 31.9





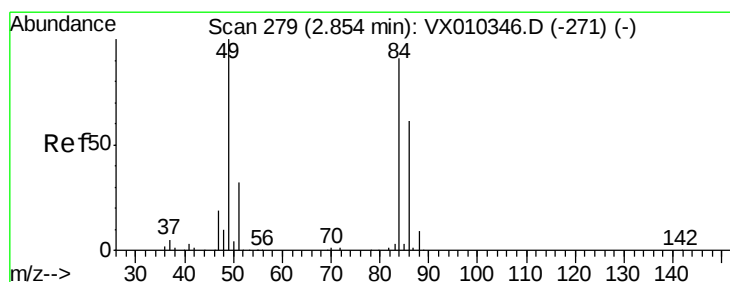
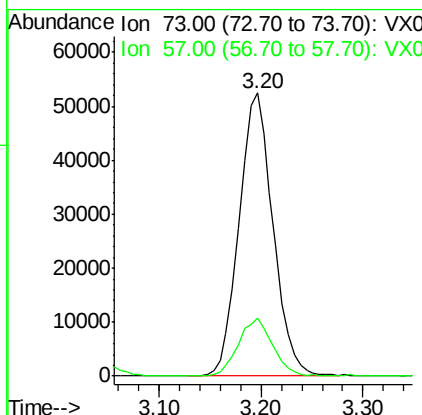
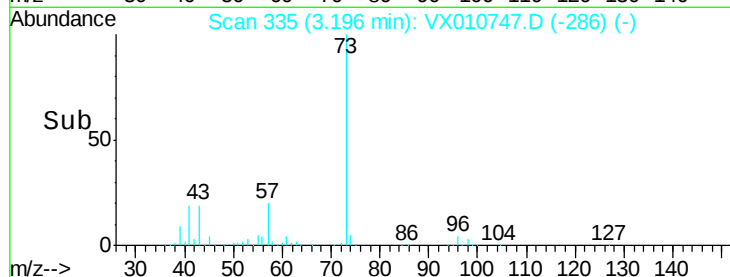
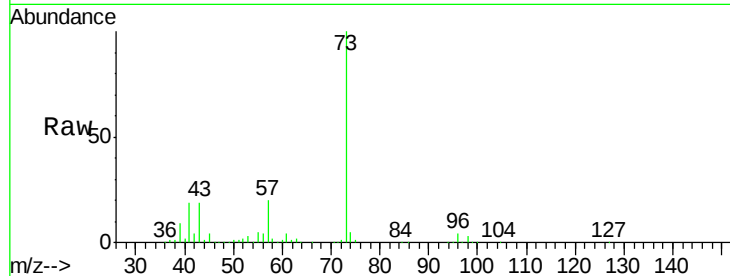
#19
Methyl tert-butyl Ether
Concen: 21.246 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion: 73 Resp: 121054
Ion Ratio Lower Upper
73 100
57 20.4 16.4 24.6

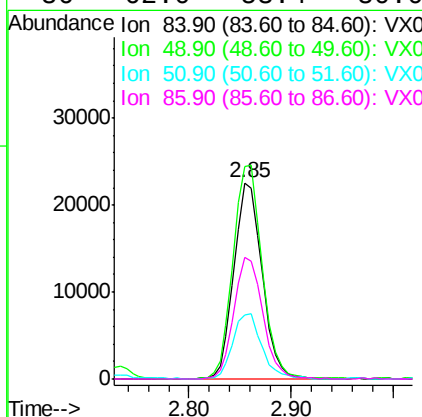
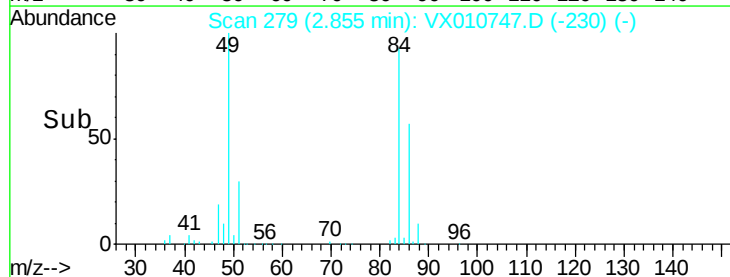
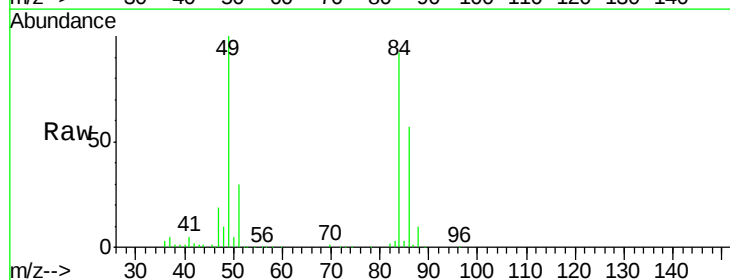
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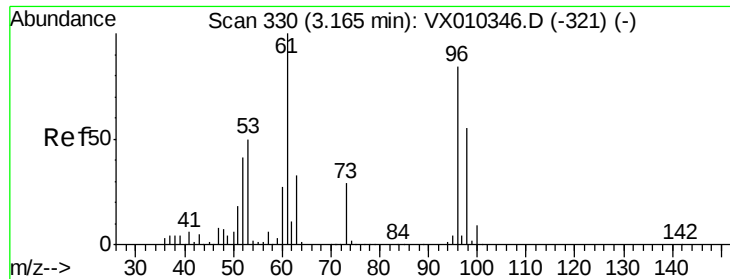
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#20
Methylene Chloride
Concen: 21.400 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion: 84 Resp: 43240
Ion Ratio Lower Upper
84 100
49 107.8 87.5 131.3
51 32.3 27.7 41.5
86 62.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 20.392 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 96 Resp: 39721

Ion Ratio Lower Upper

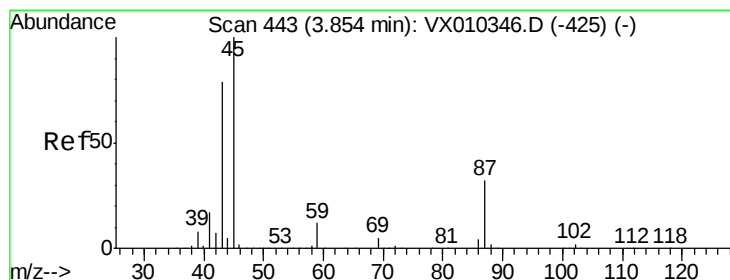
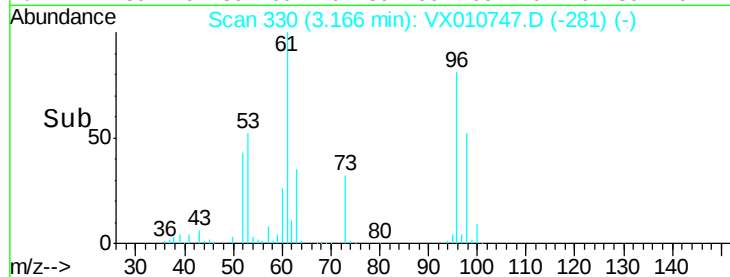
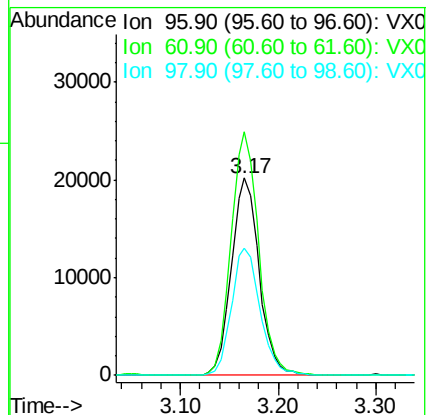
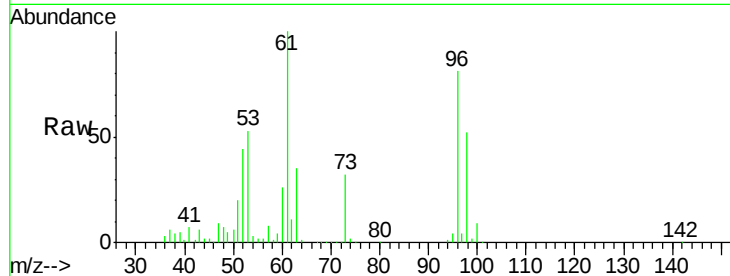
96 100

61 123.4 95.6 143.4

98 64.3 52.5 78.7

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#22

Diisopropyl ether

Concen: 21.814 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Tgt Ion: 45 Resp: 117272

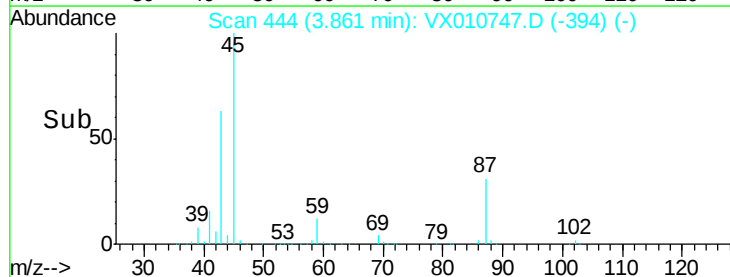
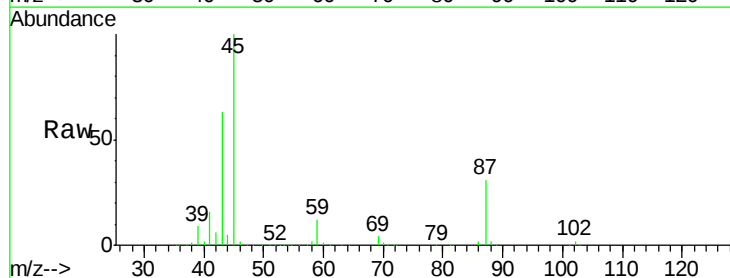
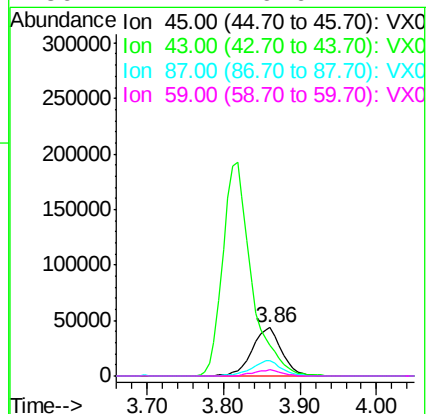
Ion Ratio Lower Upper

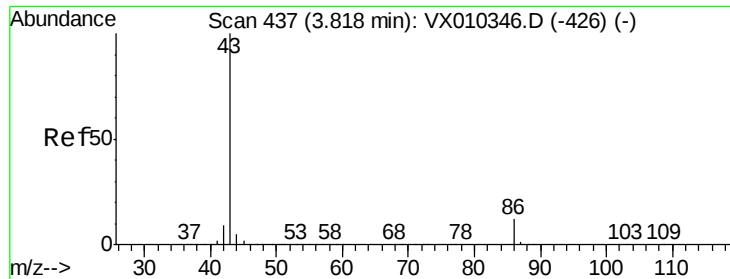
45 100

43 62.9 63.3 94.9#

87 30.7 25.8 38.8

59 12.1 9.6 14.4





#23

Vinyl Acetate

Concen: 107.521 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 43 Resp: 499355

Ion Ratio Lower Upper

43 100

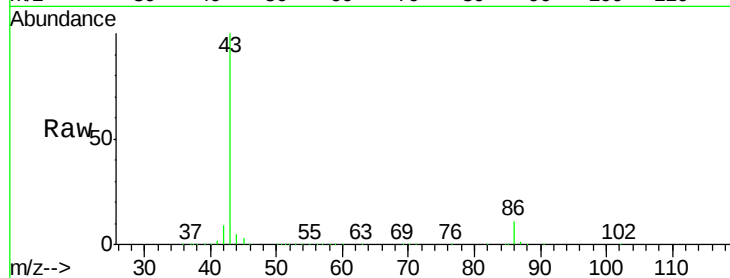
86 11.4 9.9 14.9

Manual Integrations

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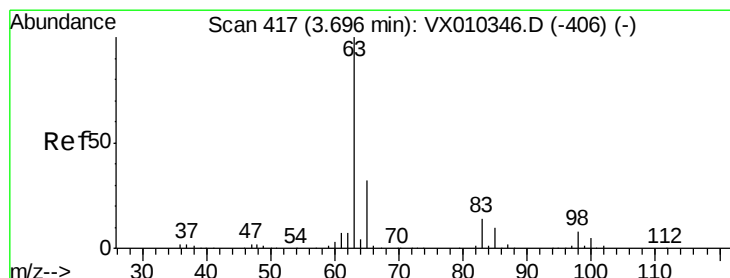
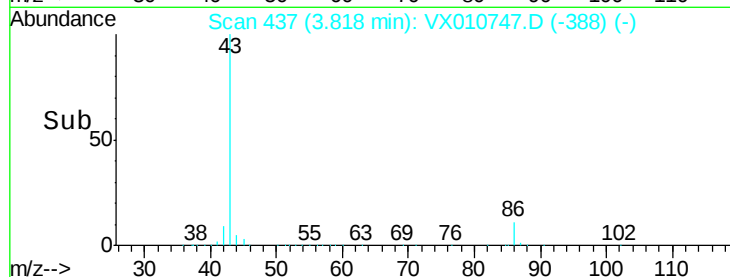
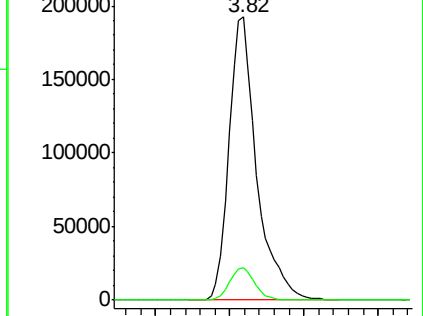
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.527 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

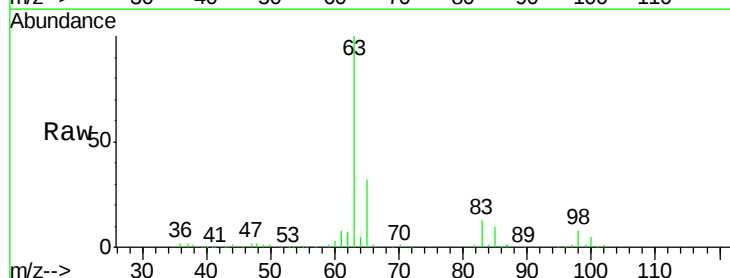
Tgt Ion: 63 Resp: 66894

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

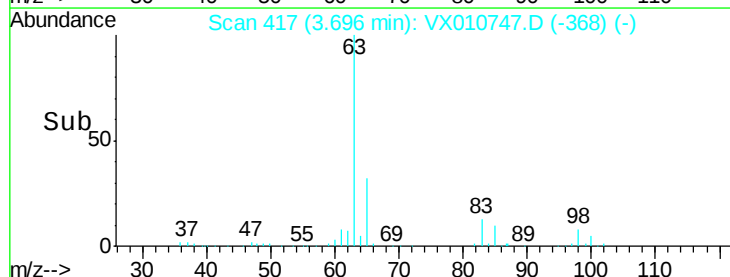
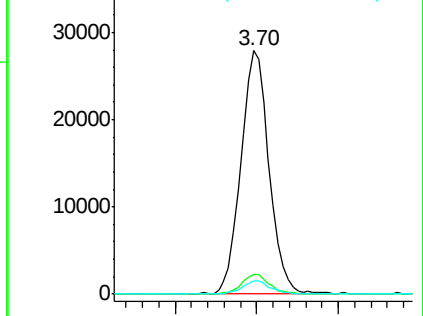
100 5.2 2.4 7.1

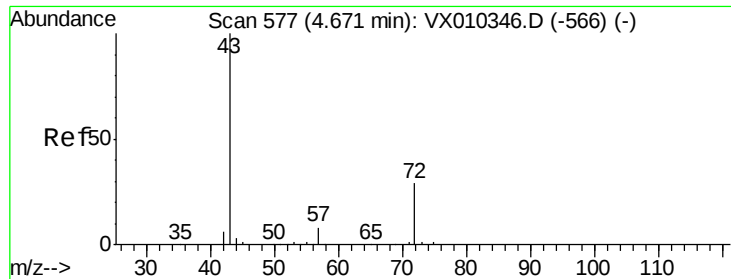


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.206 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 43 Resp: 144321

Ion Ratio Lower Upper

43 100

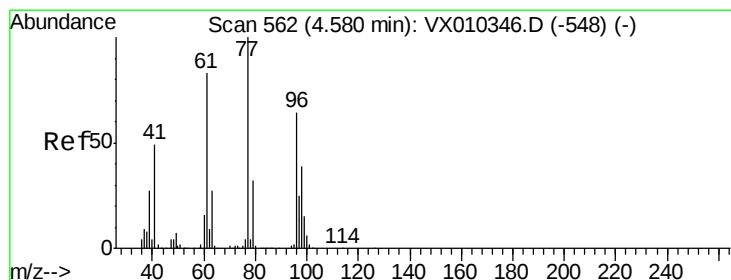
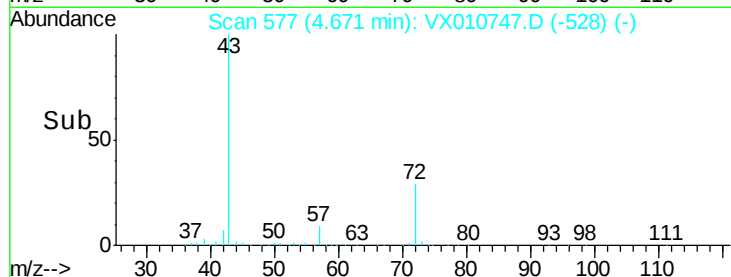
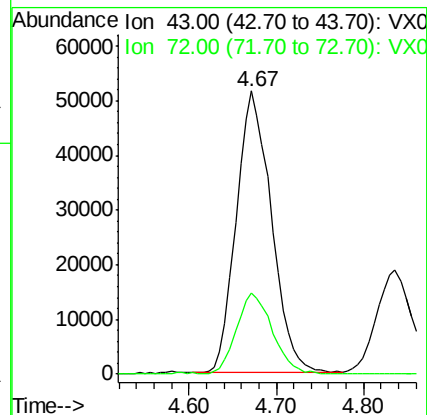
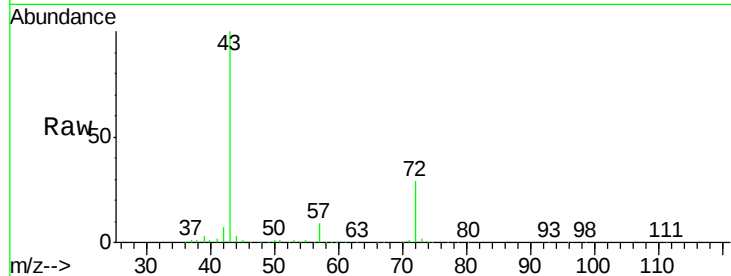
72 28.7 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.570 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010747.D

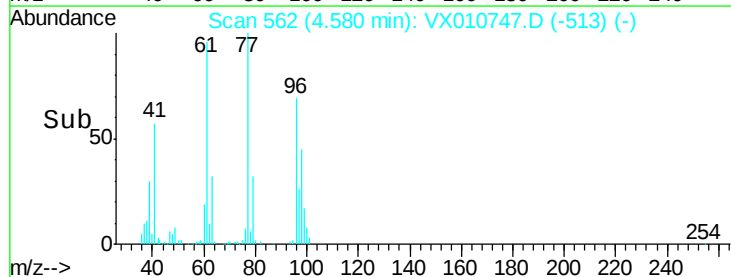
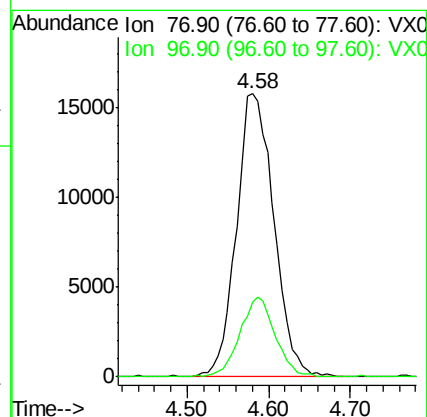
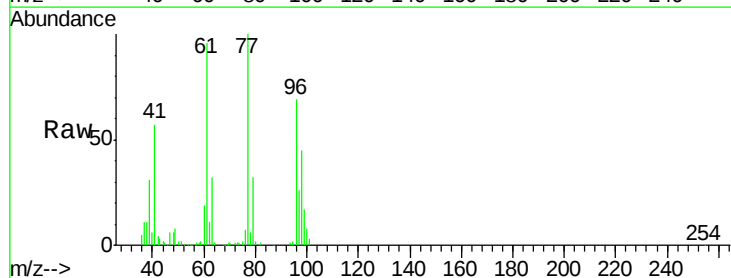
Acq: 09 Jul 2019 13:51

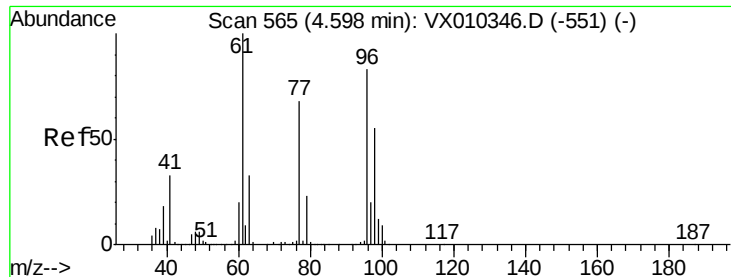
Tgt Ion: 77 Resp: 50129

Ion Ratio Lower Upper

77 100

97 26.7 13.1 39.3





#27

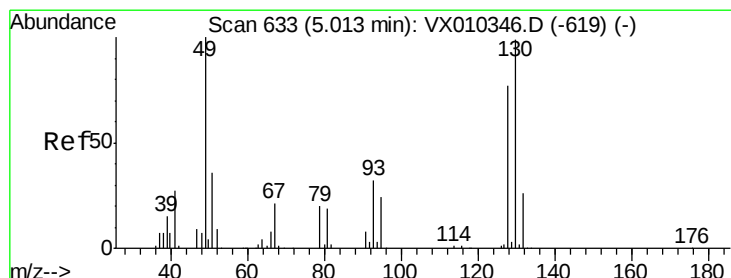
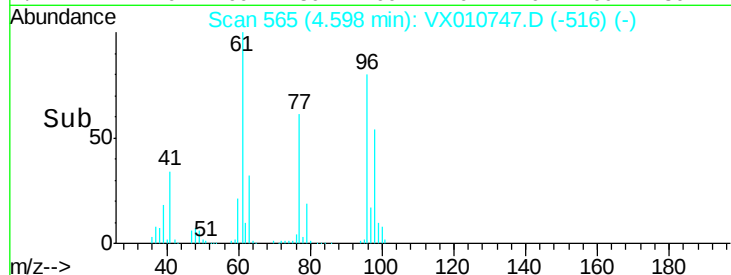
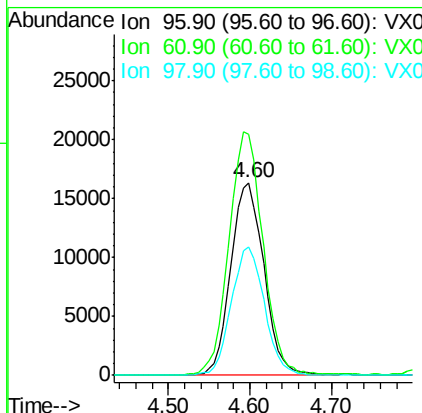
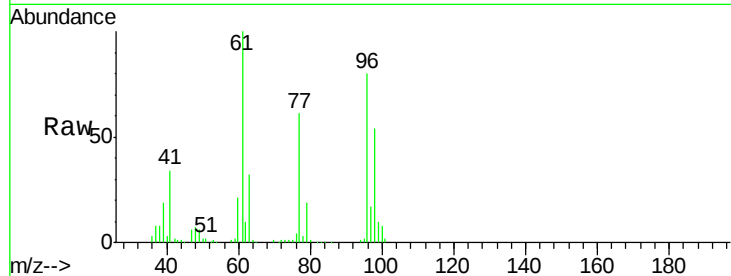
cis-1,2-Dichloroethene
 Concen: 20.474 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	251.8
98	66.3	0.0	129.4

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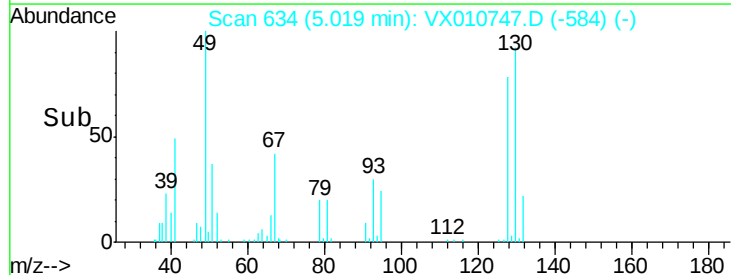
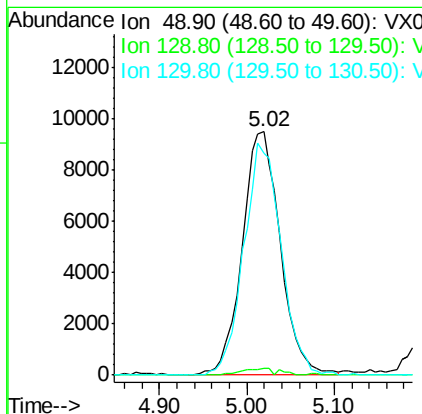
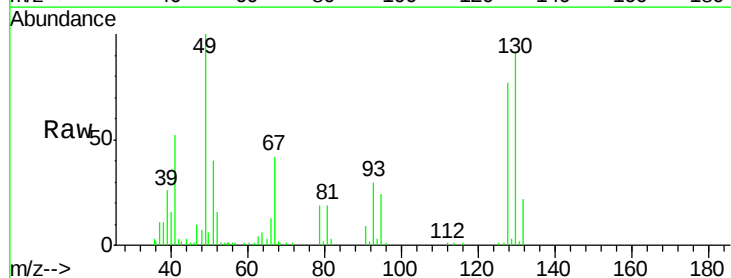
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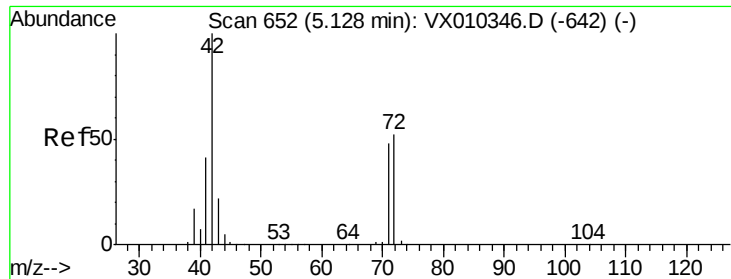


#28

Bromochloromethane
 Concen: 19.303 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.6
130	93.2	81.4	122.0





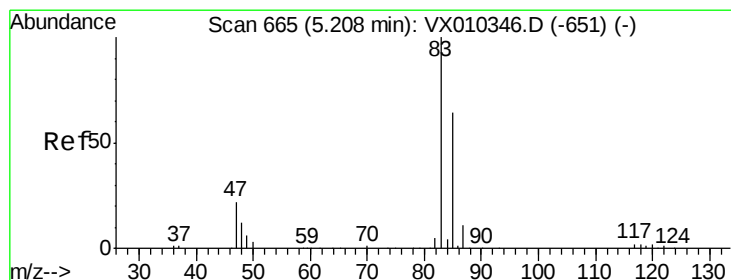
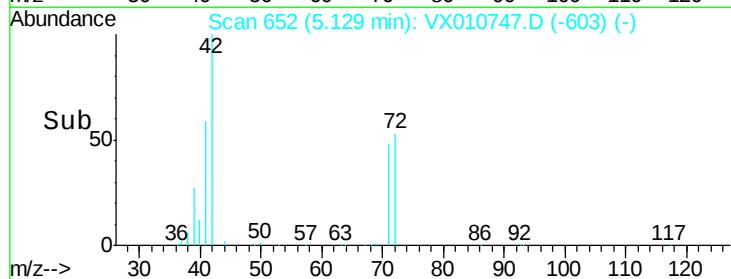
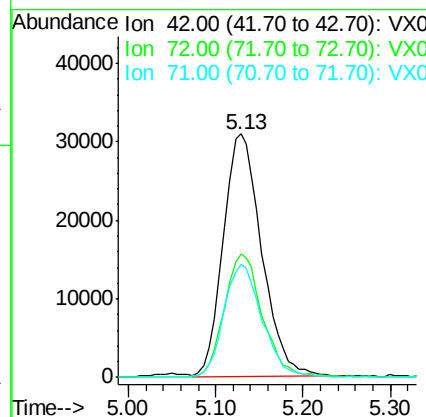
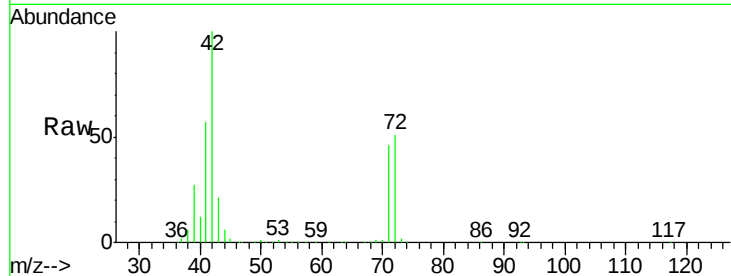
#29
Tetrahydrofuran
Concen: 105.313 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	40.6	60.8
71	46.8	37.8	56.8

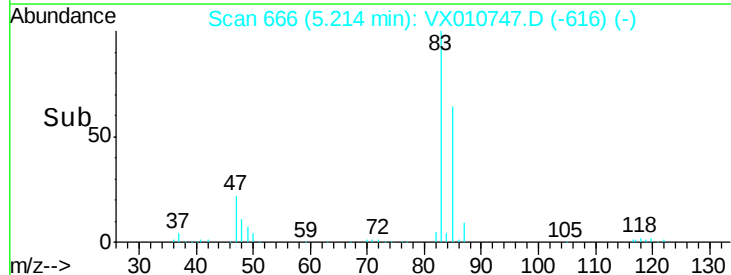
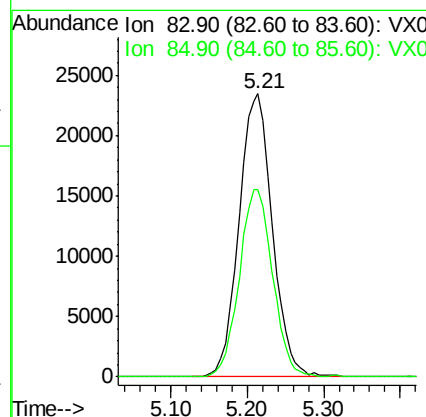
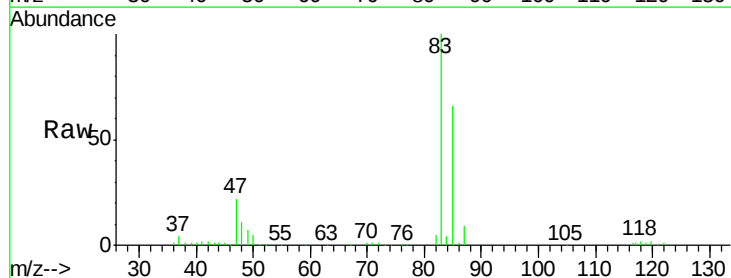
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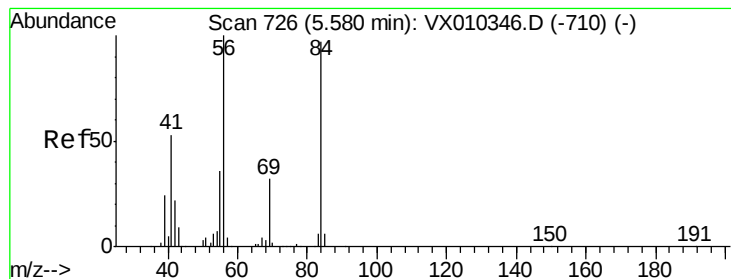
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#30
Chloroform
Concen: 21.188 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3





#31

Cyclohexane

Concen: 21.591 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

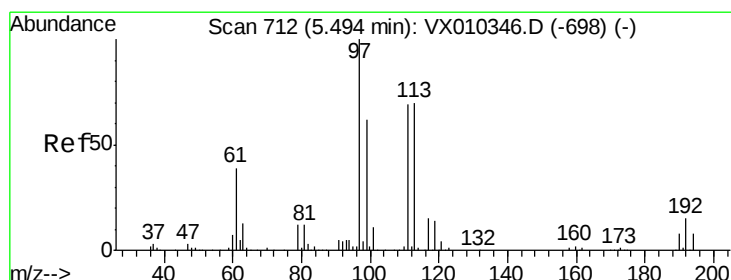
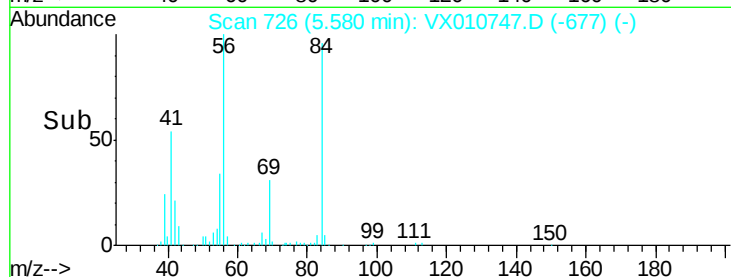
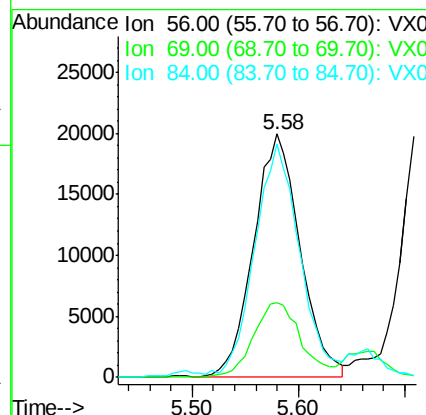
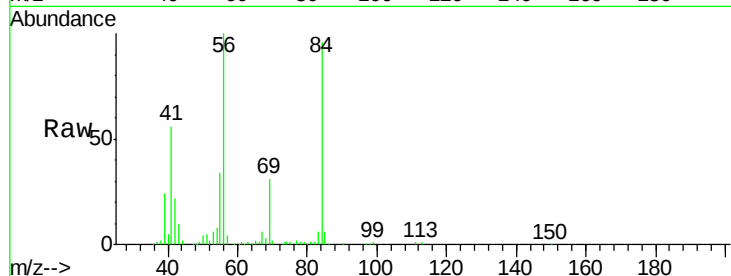
ClientSampleId :

VX0709WBSD01

Tot Ion:	56	Resp:	61099
Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.9	38.9
84	94.4	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 20.576 ug/l

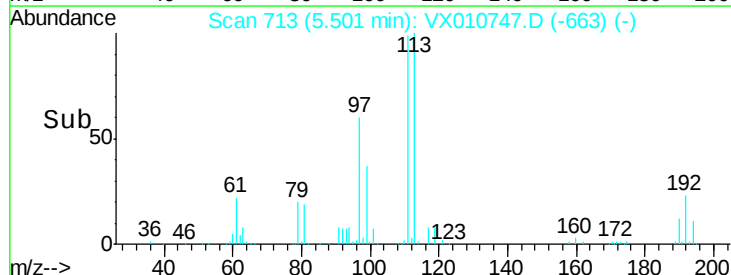
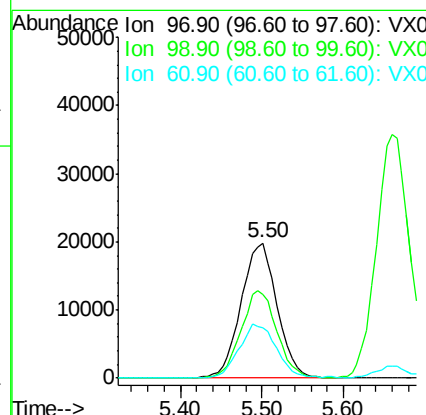
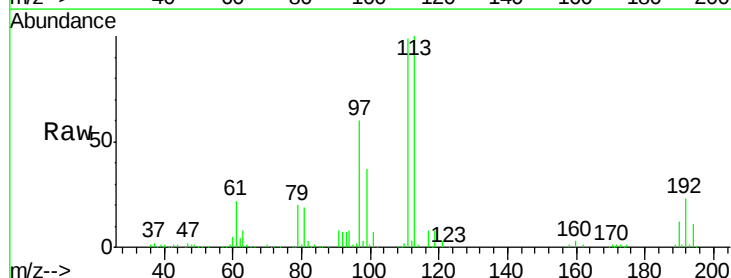
RT: 5.50 min Scan# 713

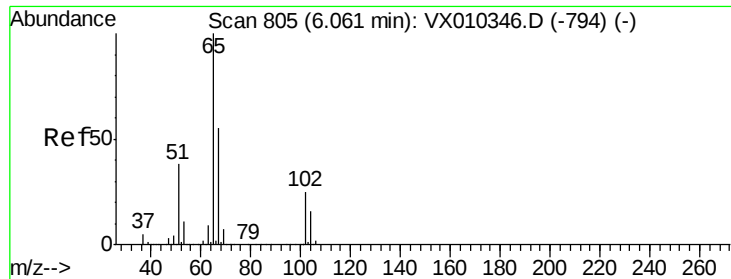
Delta R.T. 0.01 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Tgt Ion:	97	Resp:	60746
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	41.5	32.1	48.1





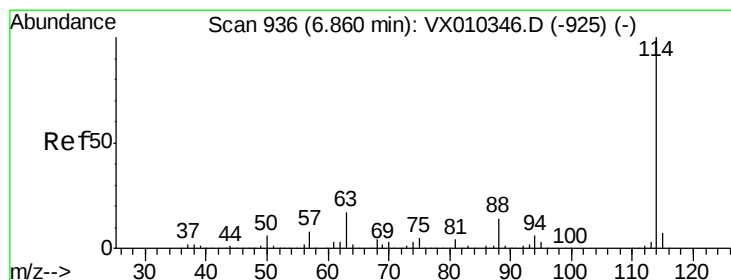
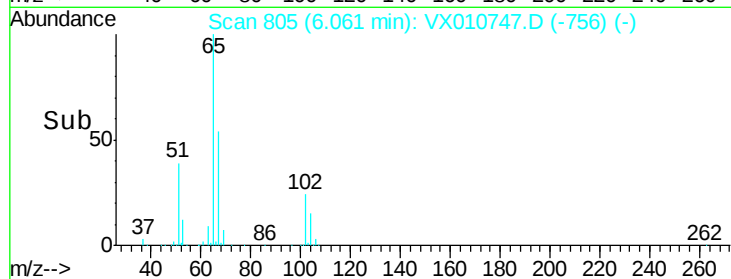
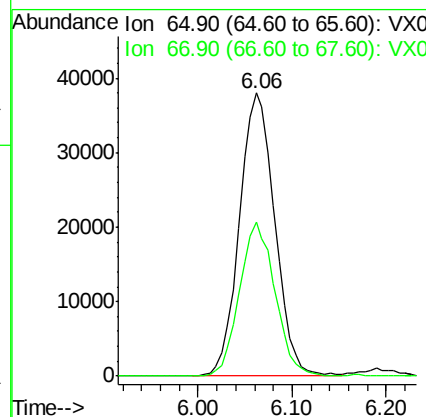
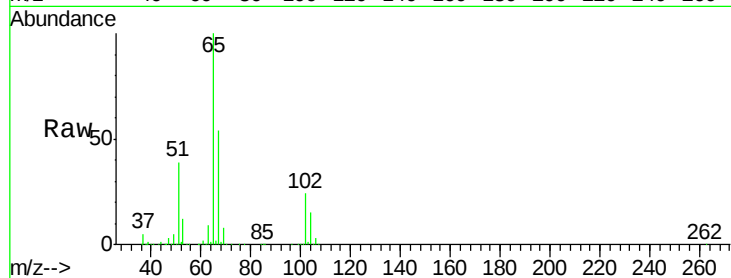
#33
 1,2-Dichloroethane-d4
 Concen: 50.636 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	110.2

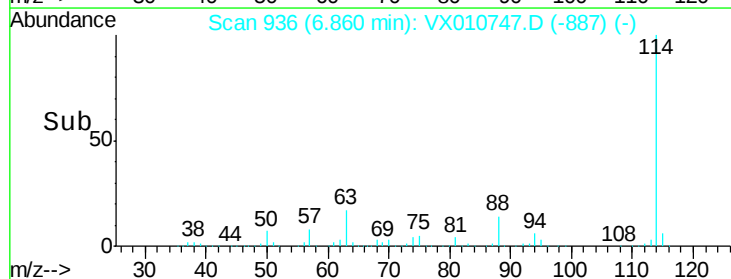
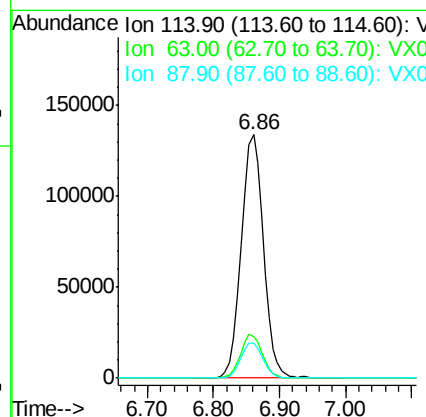
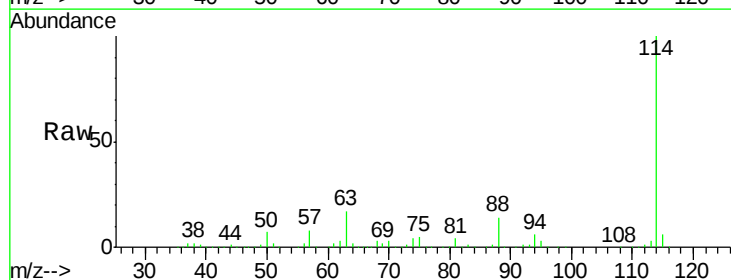
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	33.8
88	14.4	0.0	27.6





#35

Dibromofluoromethane

Concen: 49.122 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

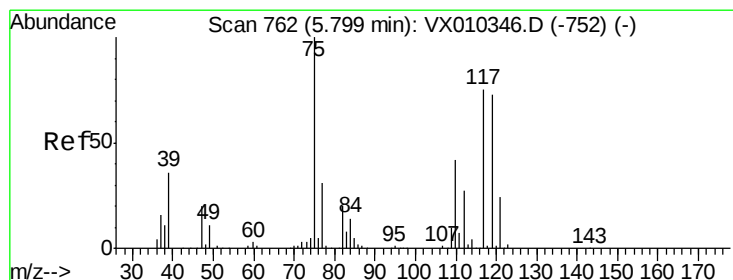
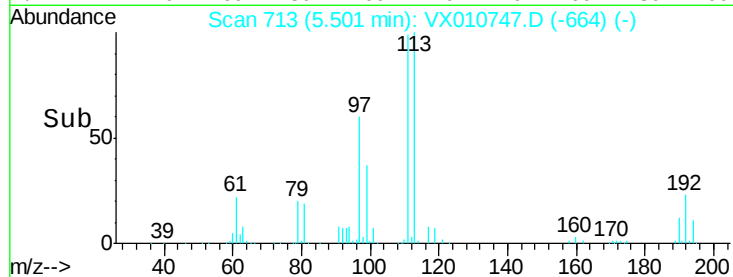
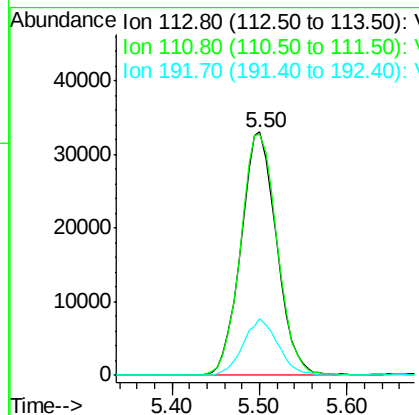
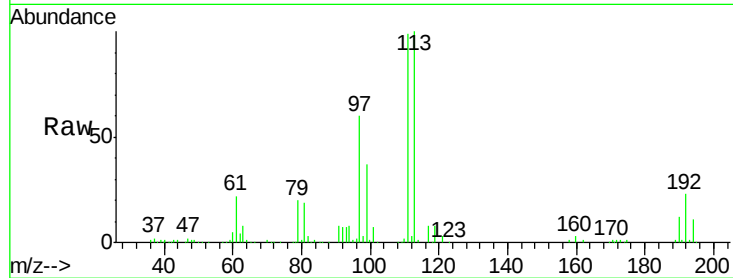
ClientSampleId :

VX0709WBSD01

Tot Ion:	113	Resp:	93759
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.2	121.8
192	22.7	18.6	27.8

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#36

1,1-Dichloropropene

Concen: 20.702 ug/l

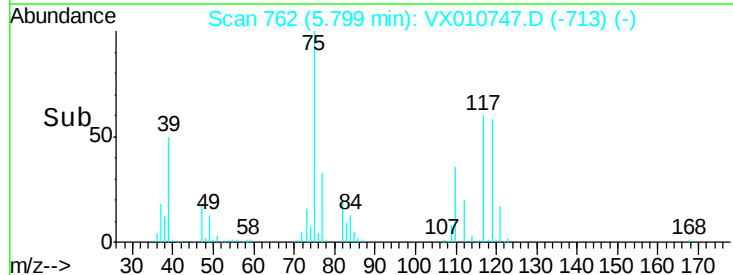
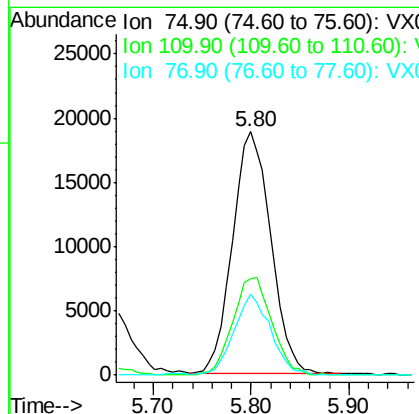
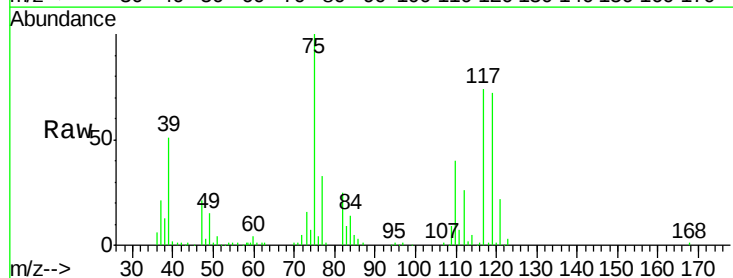
RT: 5.80 min Scan# 762

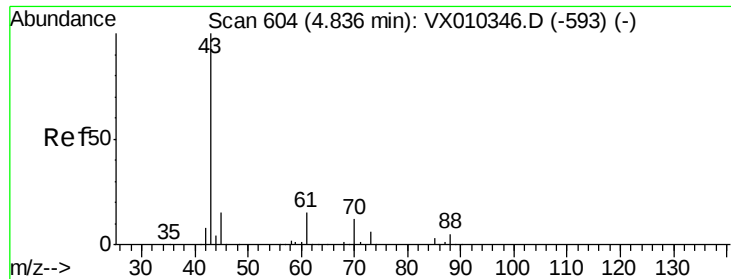
Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Tgt Ion:	75	Resp:	51321
Ion	Ratio	Lower	Upper
75	100		
110	41.1	20.8	62.2
77	31.9	25.4	38.0





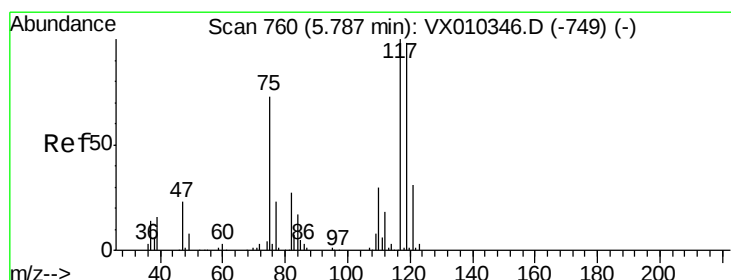
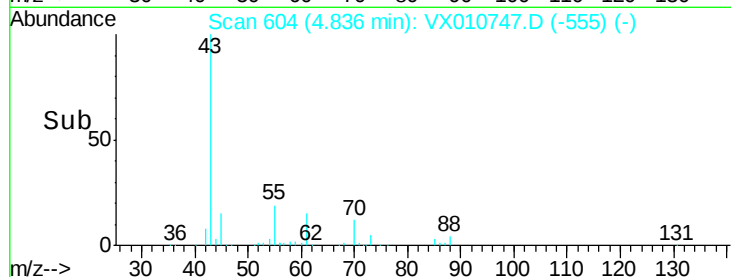
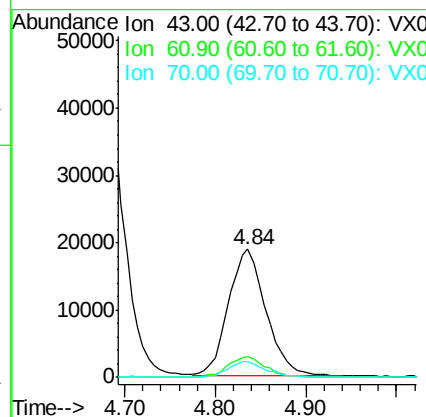
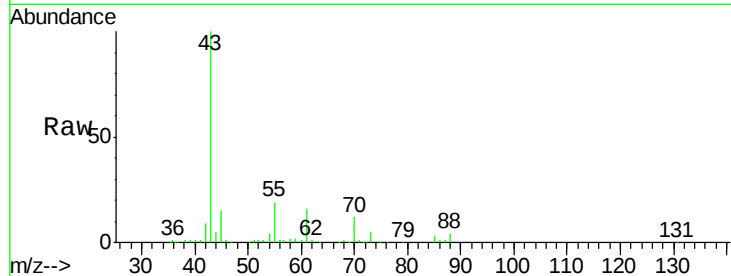
#37
Ethyl Acetate
Concen: 21.273 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	12.4	18.6
70	12.7	9.8	14.8

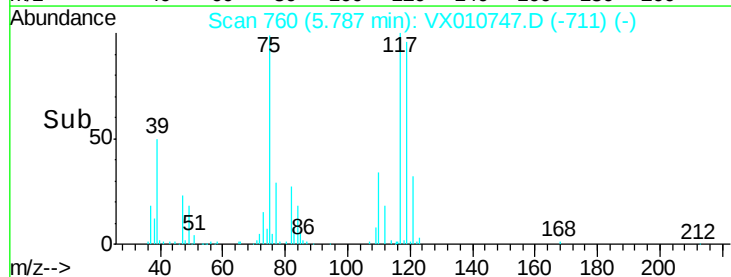
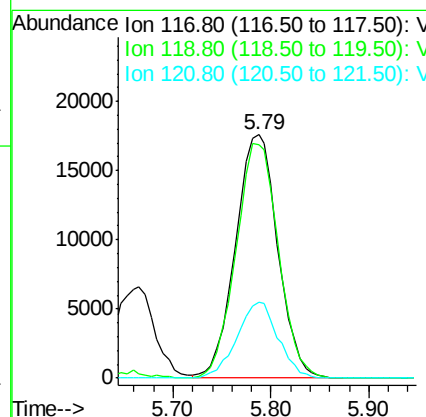
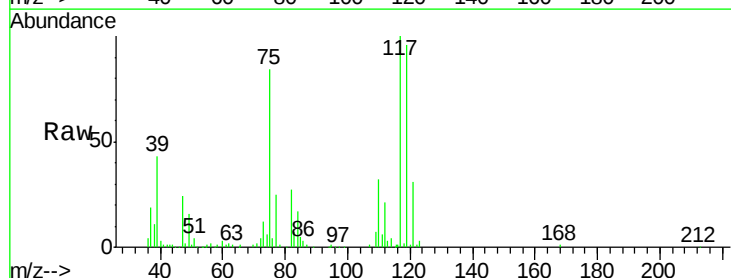
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#38
Carbon Tetrachloride
Concen: 19.609 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.2	117.4
121	31.3	24.7	37.1





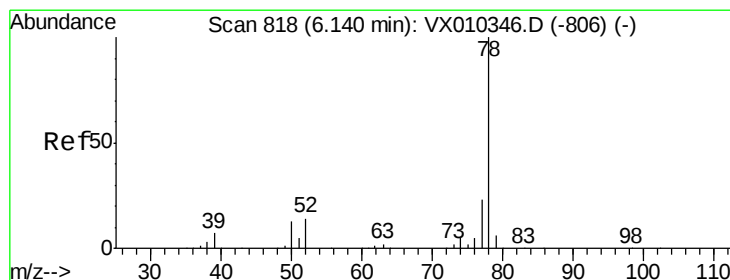
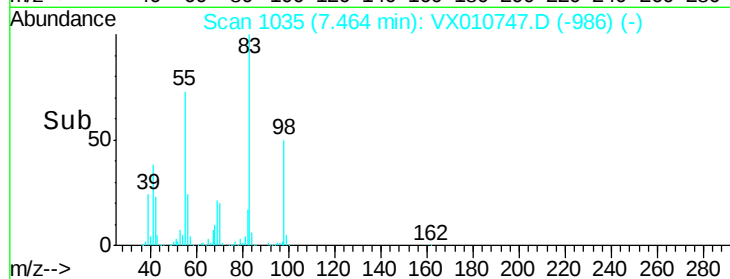
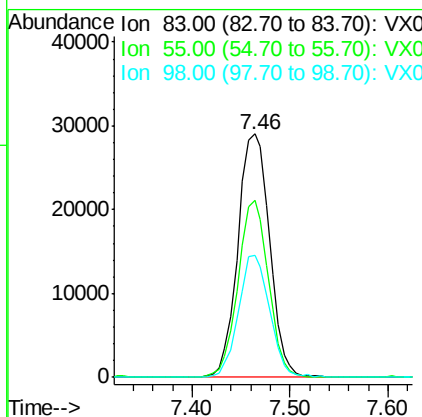
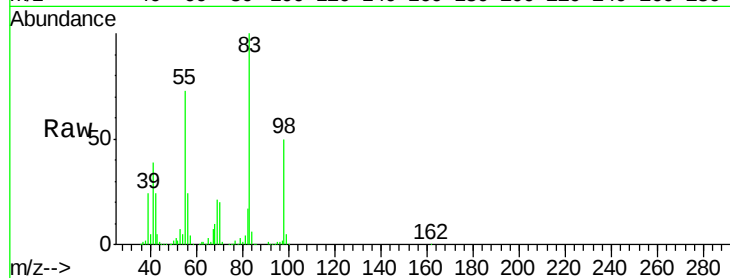
#39
Methvlcvclohexane
Concen: 20.115 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	53.0	79.6
98	50.2	37.8	56.8

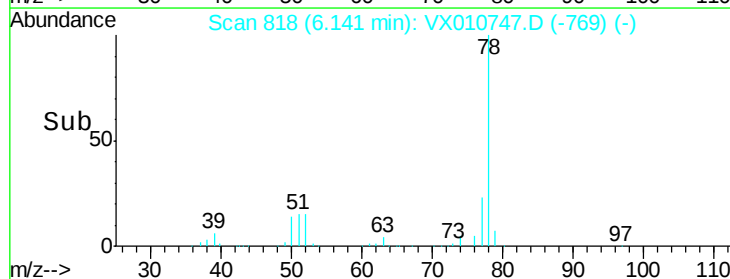
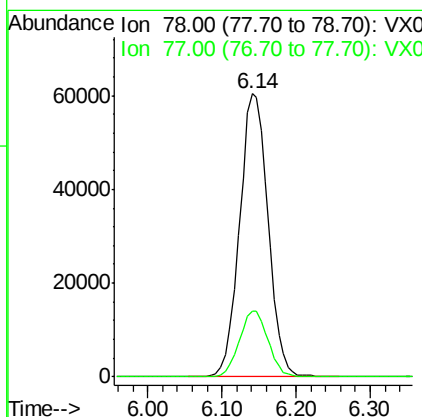
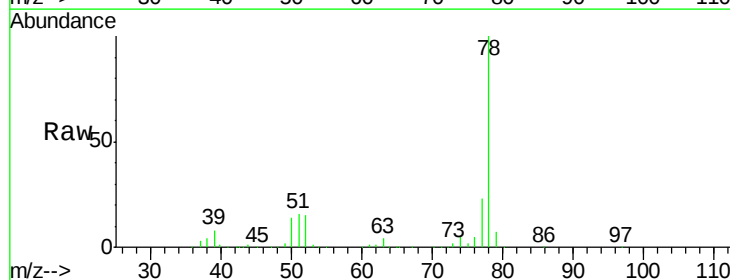
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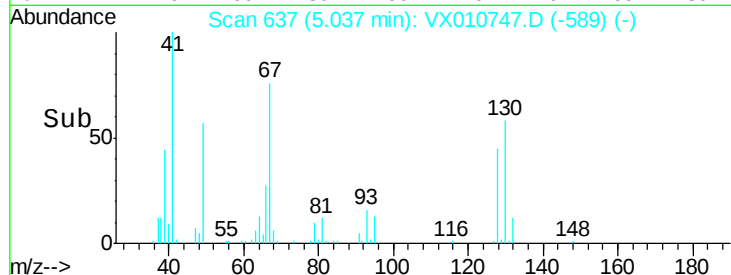
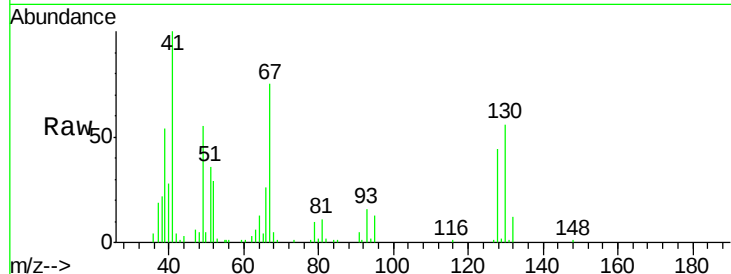
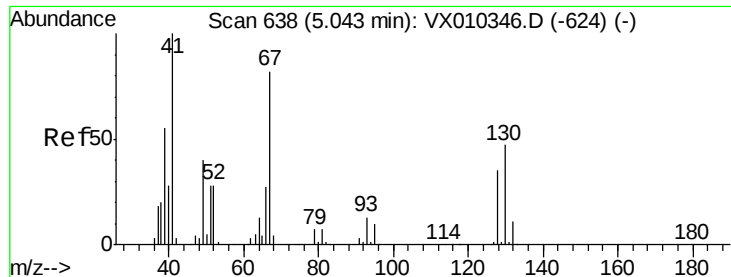
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#40
Benzene
Concen: 20.995 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





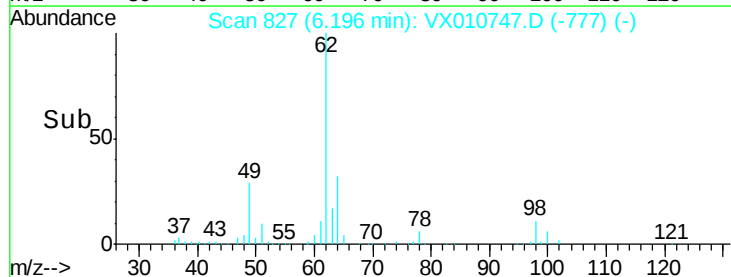
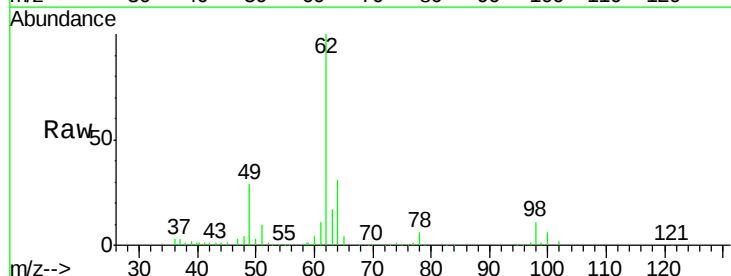
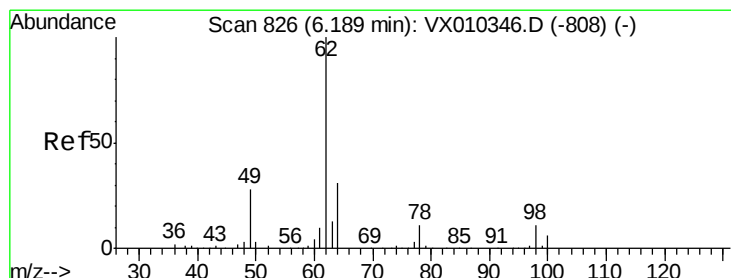
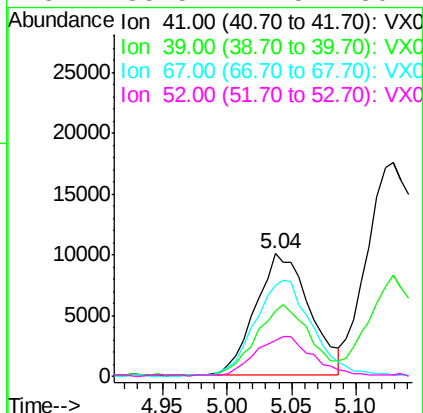
#41
Methacrylonitrile
Concen: 20.957 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		29326		
39	57.4	43.8	65.8		
67	83.7	66.6	100.0		
52	33.8	24.5	36.7		

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

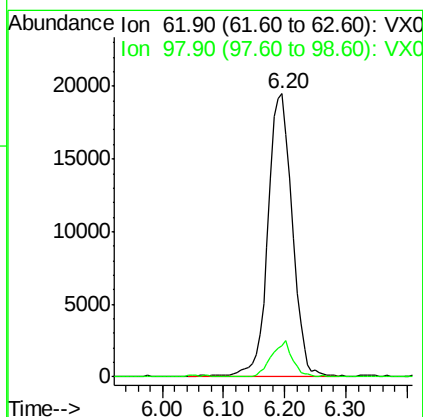
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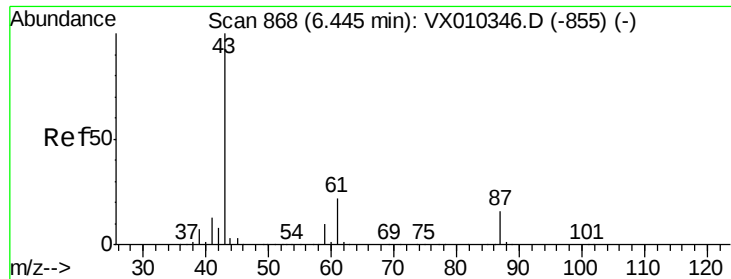
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#42
1,2-Dichloroethane
Concen: 22.824 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		53659		
98	10.9	0.0	22.2		





#43

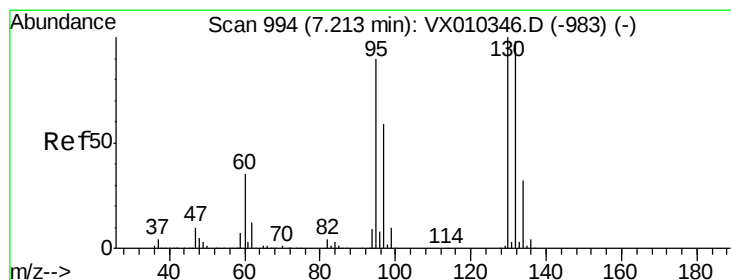
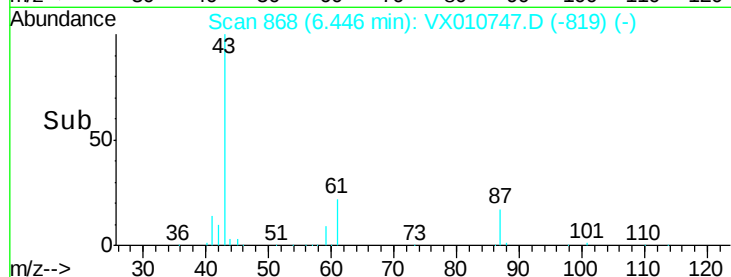
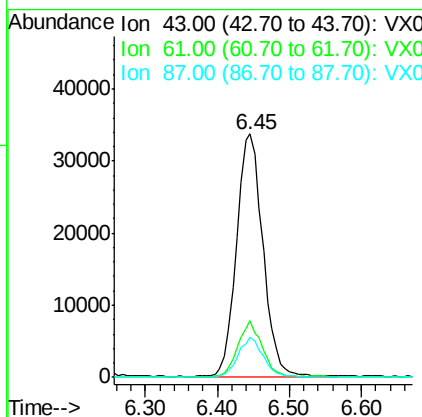
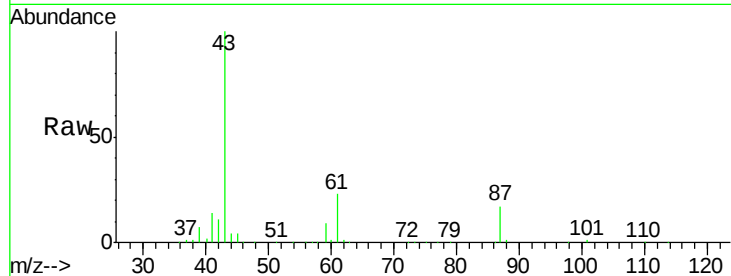
Isopropyl Acetate
 Concen: 20.260 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	43	61	87
Resp	85487		
Ratio	100	21.7	15.9
Lower		17.8	13.0
Upper		26.6	19.4

Manual Integrations
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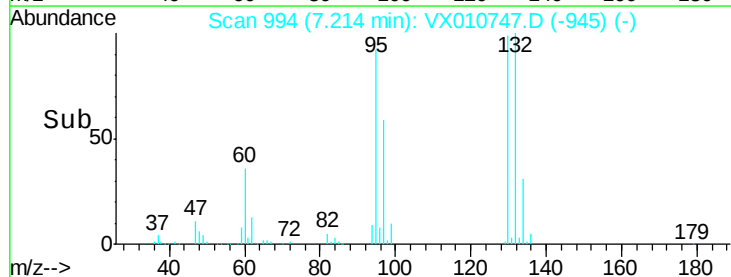
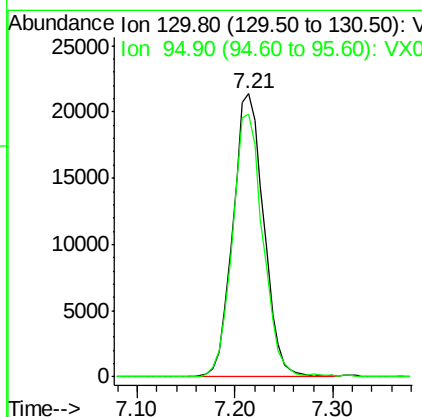
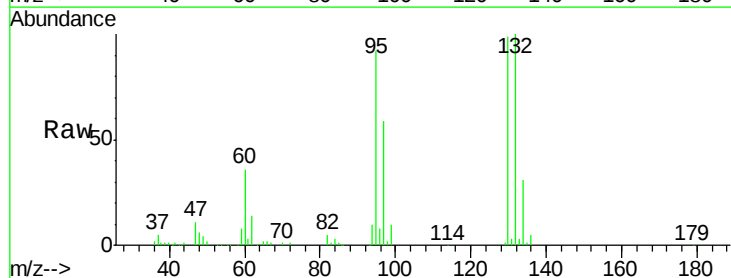
MMDadoda
 7/10/2019 10:19:39 AM

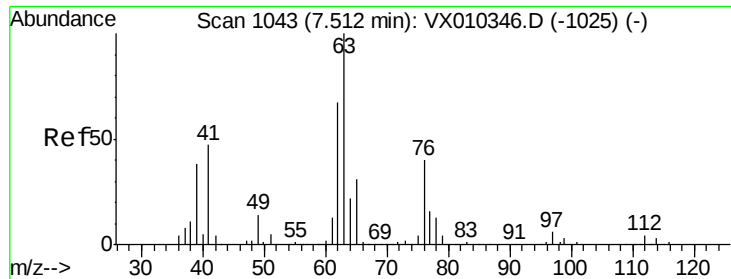


#44

Trichloroethene
 Concen: 20.192 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Tgt Ion	130	95
Resp	46664	
Ratio	100	92.8
Lower		0.0
Upper		180.8





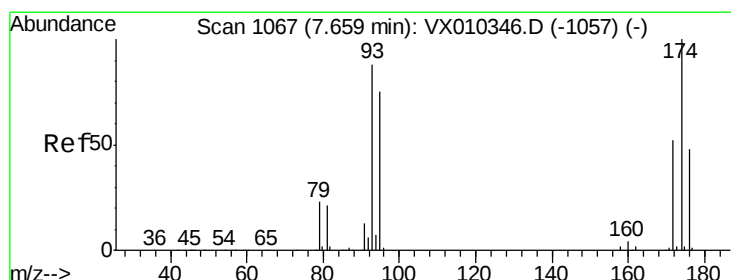
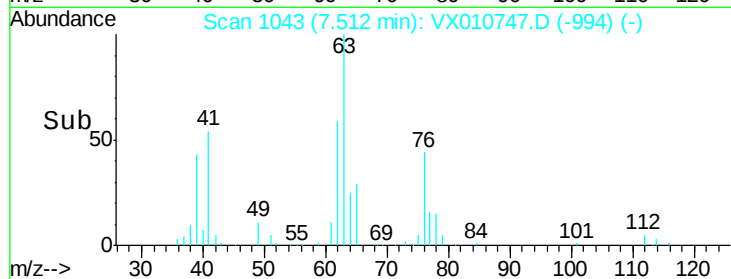
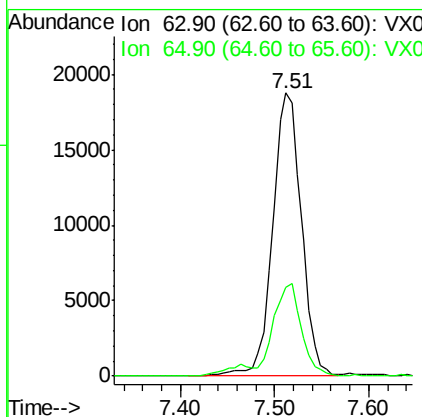
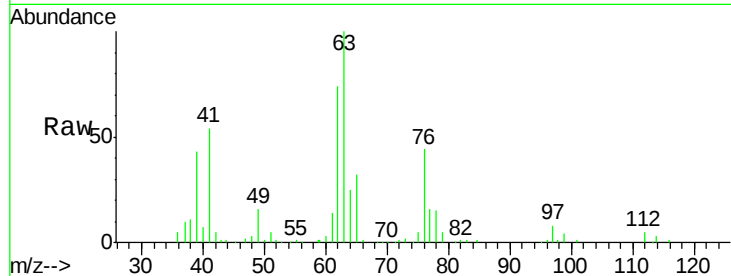
#45
 1,2-Dichloropropane
 Concen: 20.456 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion: 63 Resp: 39897
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.8 37.2

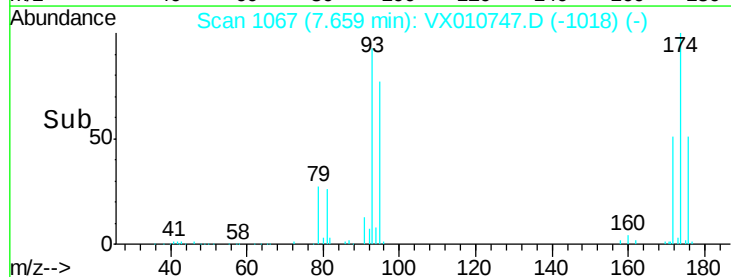
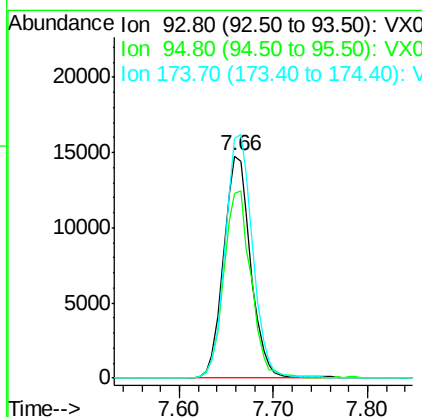
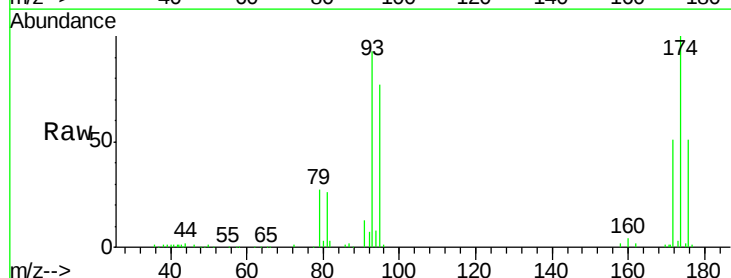
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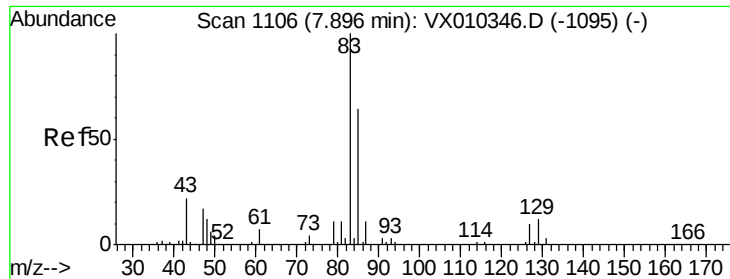
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#46
 Dibromomethane
 Concen: 21.051 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Tgt Ion: 93 Resp: 29458
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.5 101.3
 174 110.9 95.8 143.6





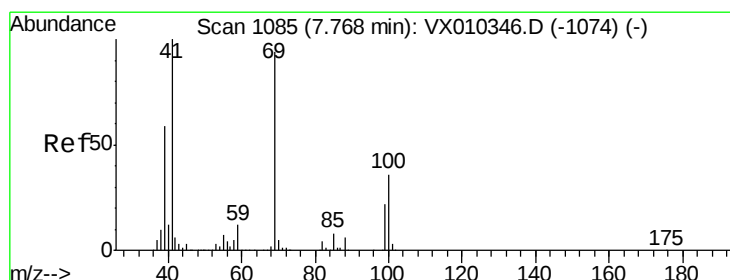
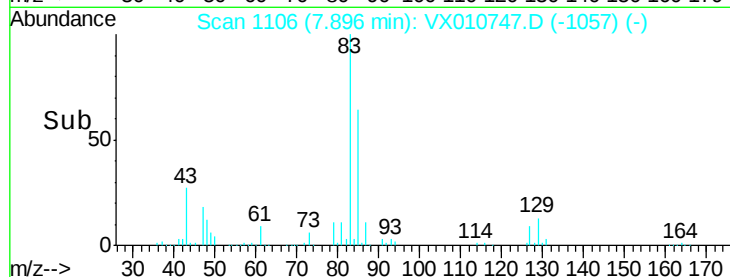
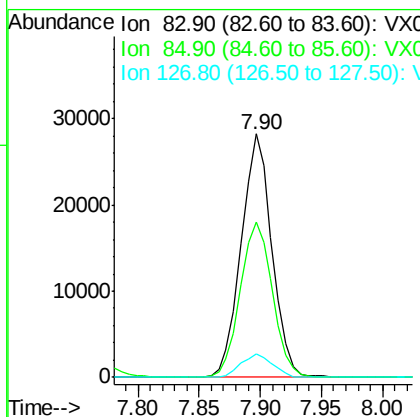
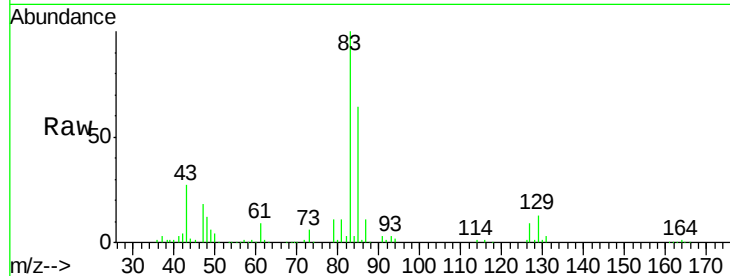
#47
Bromodichloromethane
Concen: 19.207 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	83	Resp	49256
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	51.5	77.3
127	9.4	7.8	11.8

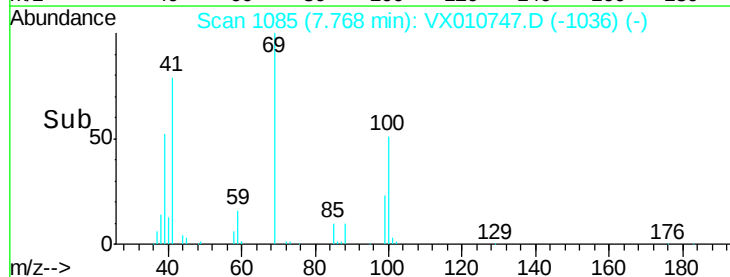
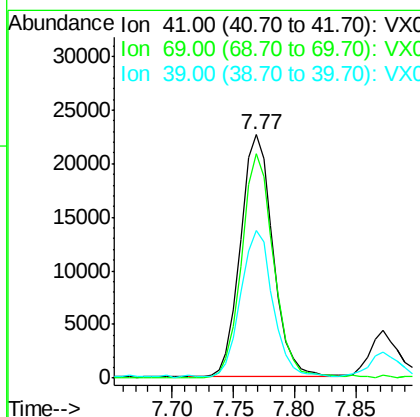
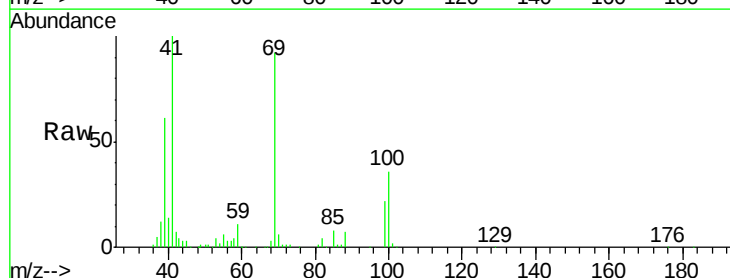
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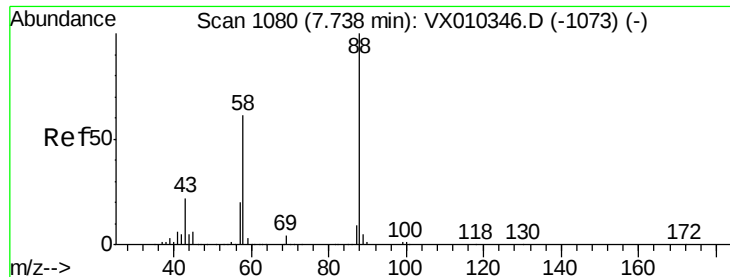
MMDadoda
7/10/2019 10:19:39 AM



#48
Methyl methacrylate
Concen: 21.350 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	41	Resp	41873
Ion Ratio	100	Lower	Upper
41	100		
69	91.2	76.1	114.1
39	60.0	47.6	71.4





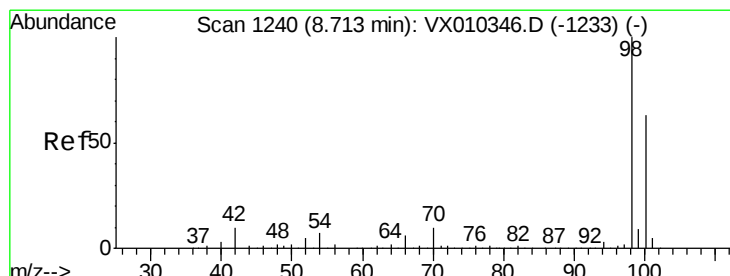
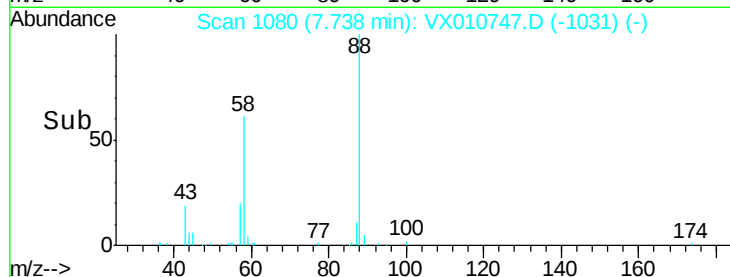
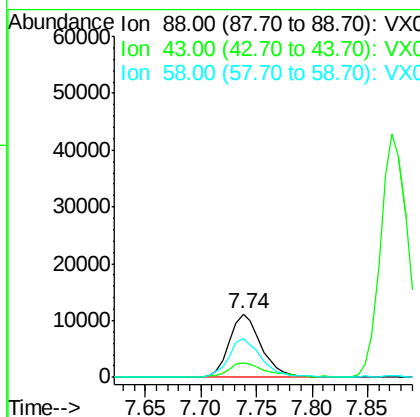
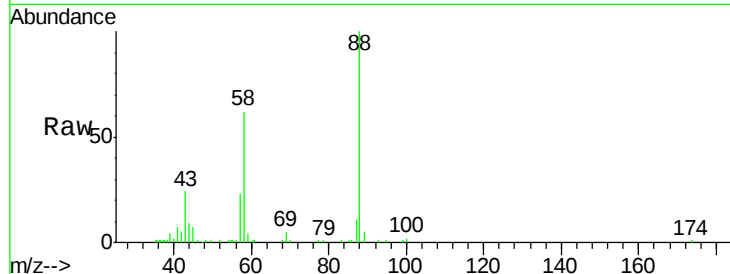
#49
1,4-Dioxane
Concen: 390.326 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.9	20.2	30.2
58	63.2	49.5	74.3

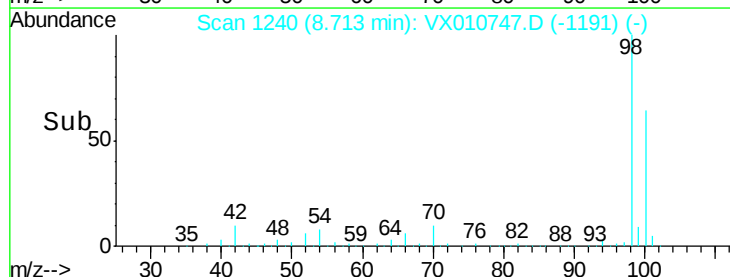
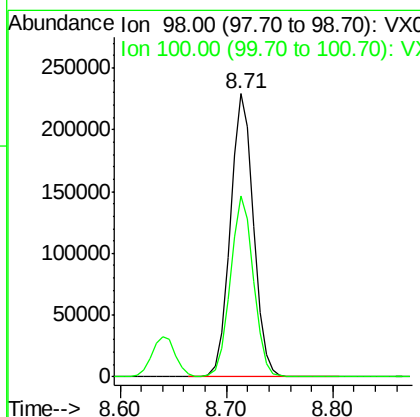
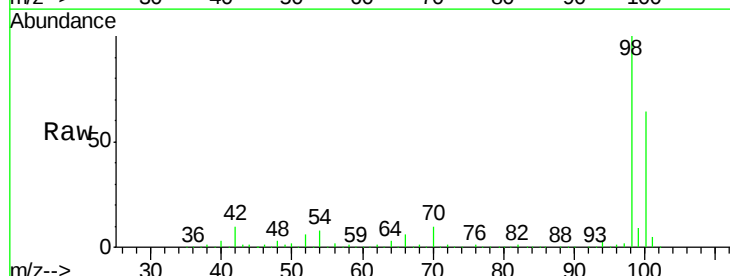
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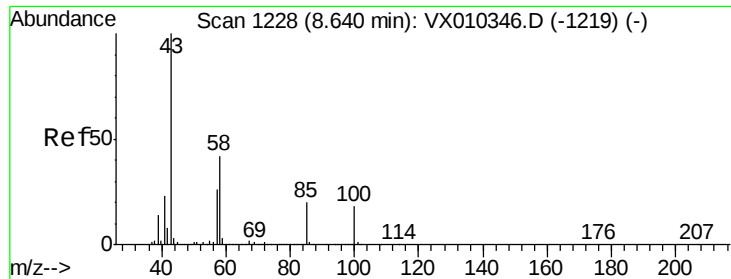
MMDadoda
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#50
Toluene-d8
Concen: 47.849 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 108.000 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 43 Resp: 291449

Ion Ratio Lower Upper

43 100

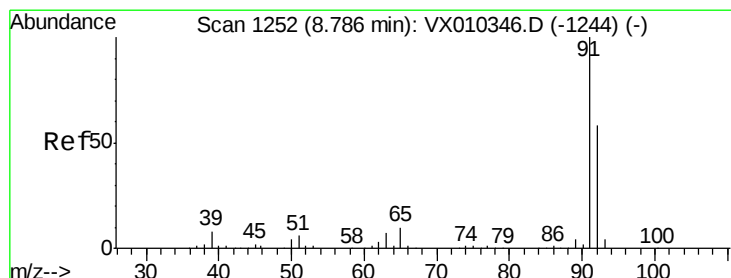
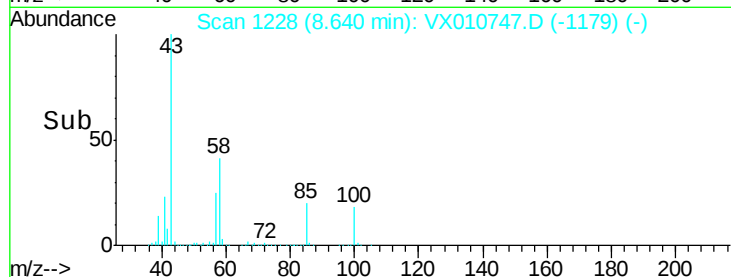
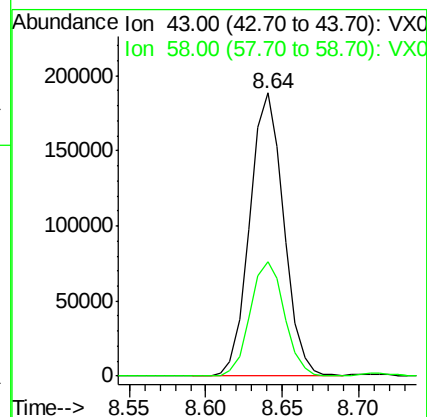
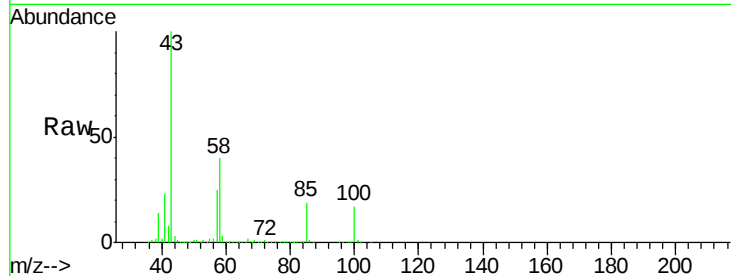
58 40.7 33.5 50.3

Manual Integrations

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#52

Toluene

Concen: 20.755 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010747.D

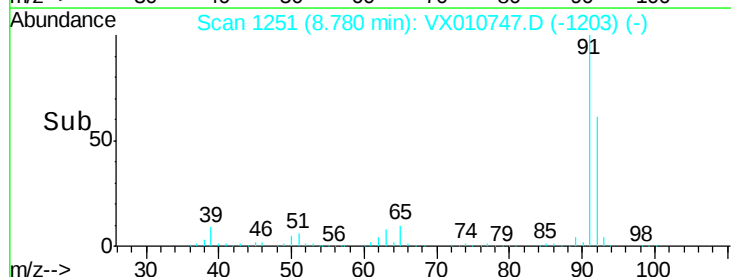
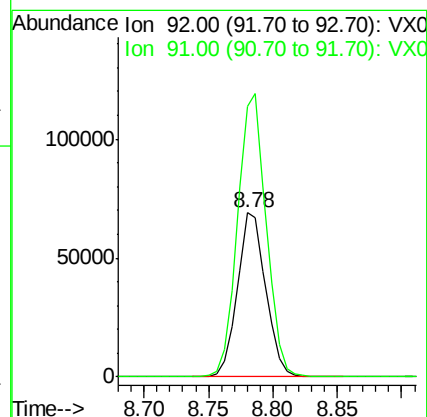
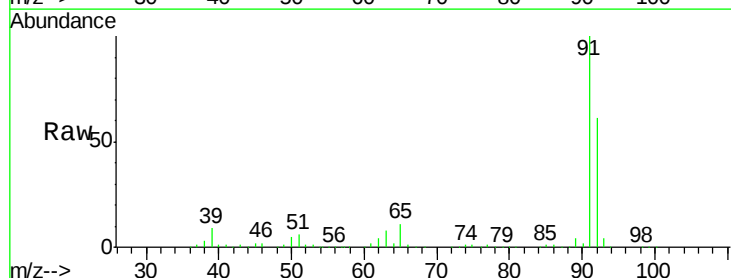
Acq: 09 Jul 2019 13:51

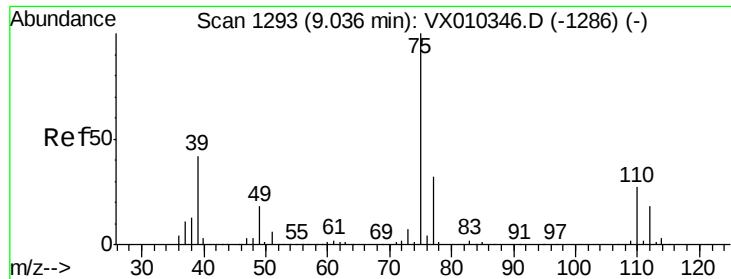
Tgt Ion: 92 Resp: 105562

Ion Ratio Lower Upper

92 100

91 174.8 139.8 209.6





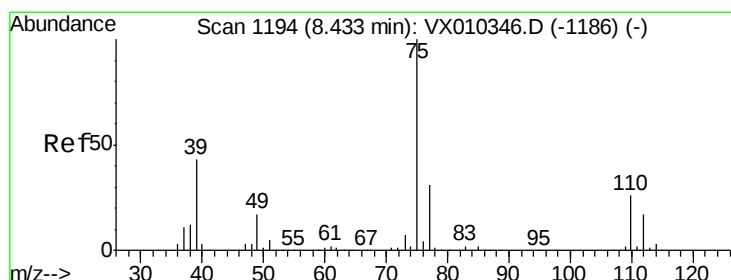
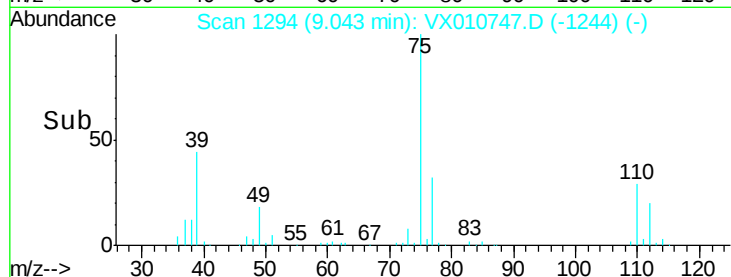
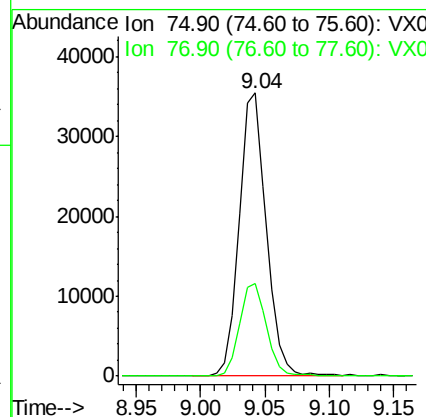
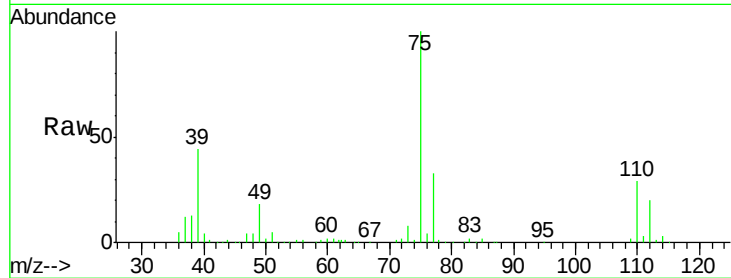
#53
t-1,3-Dichloropropene
Concen: 18.004 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	75	Resp	51763
Ion Ratio	Lower	Upper	
75	100		
77	32.7	25.4	38.2

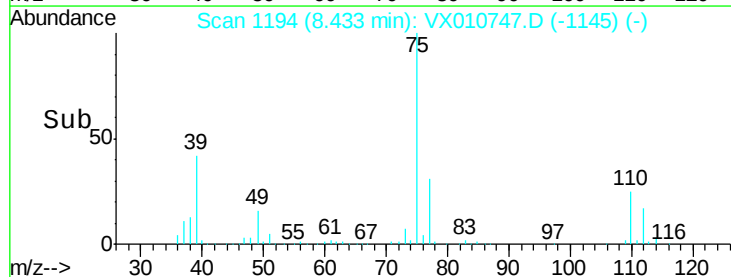
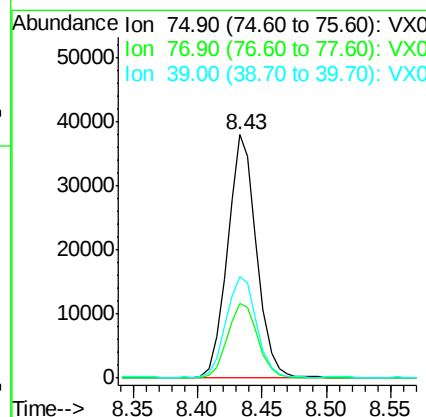
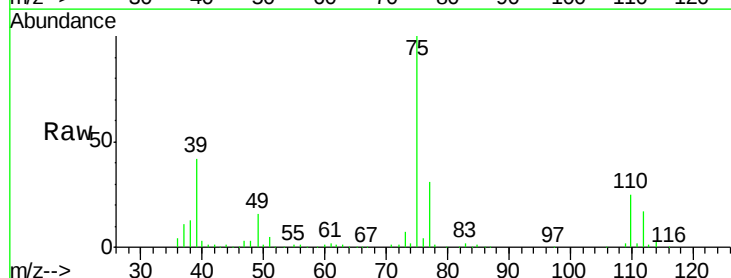
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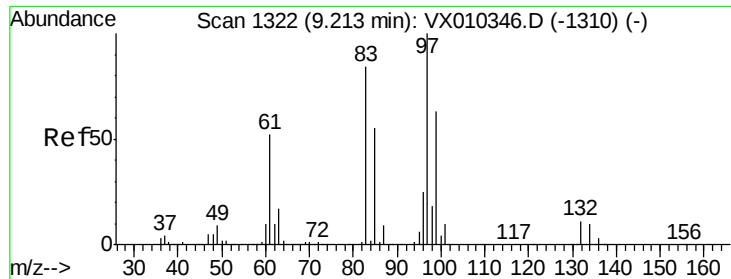
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#54
cis-1,3-Dichloropropene
Concen: 19.217 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	75	Resp	60043
Ion Ratio	Lower	Upper	
75	100		
77	30.6	25.2	37.8
39	41.5	34.5	51.7





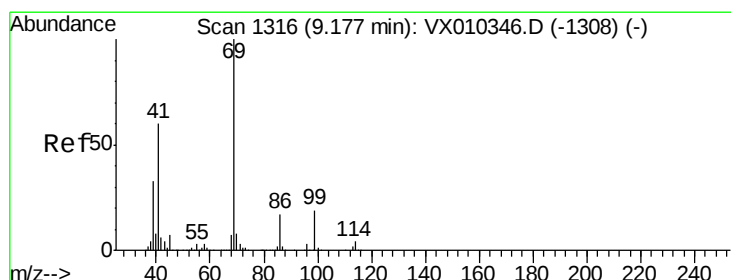
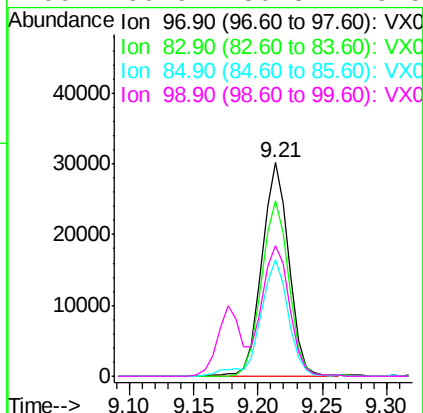
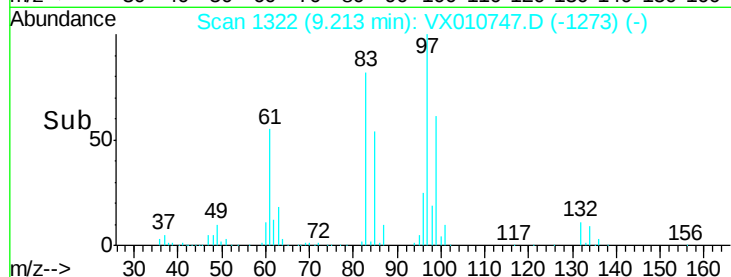
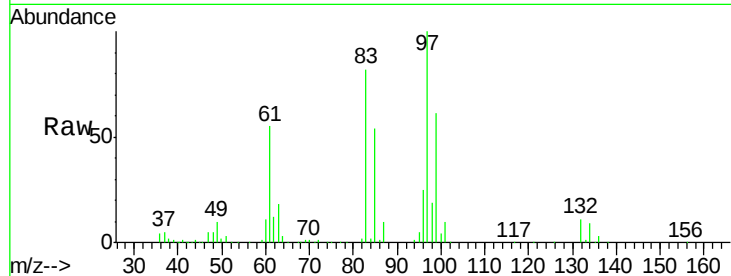
#55
 1,1,2-Trichloroethane
 Concen: 20.813 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion:	97	Resp:	43657
Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.4	101.0
85	54.5	43.8	65.8
99	60.9	50.3	75.5

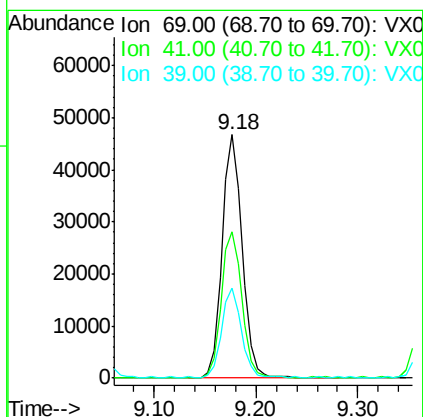
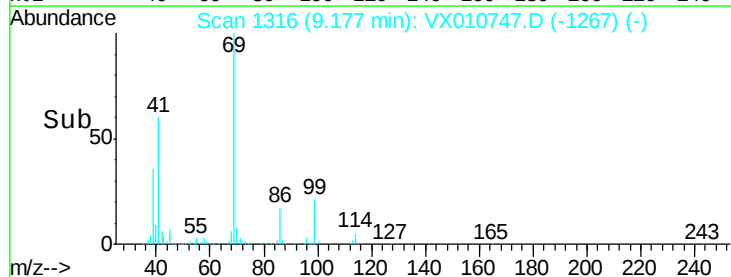
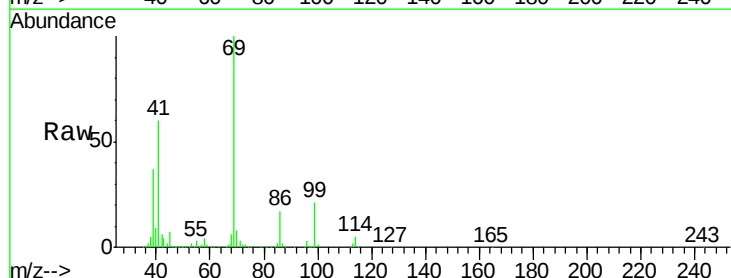
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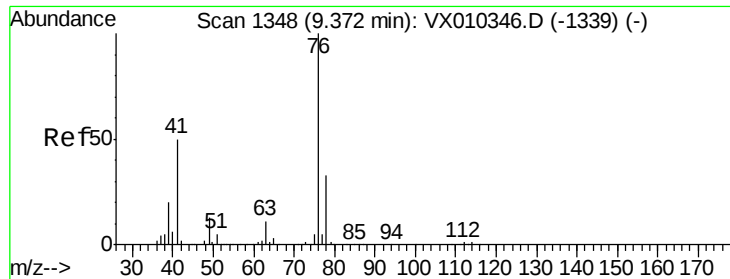
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#56
 Ethyl methacrylate
 Concen: 20.243 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Tgt Ion:	69	Resp:	64325
Ion	Ratio	Lower	Upper
69	100		
41	61.1	47.1	70.7
39	35.7	26.6	40.0





#57

1,3-Dichloropropane

Concen: 21.113 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 76 Resp: 68748

Ion Ratio Lower Upper

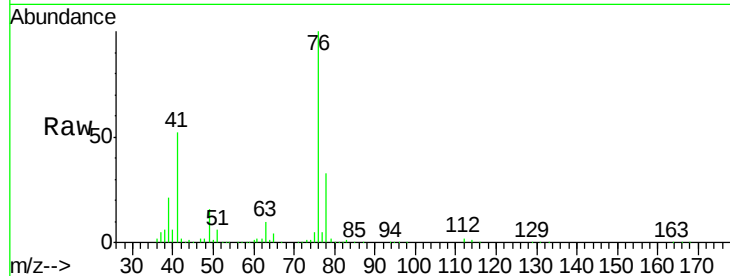
76 100

78 33.5 26.1 39.1

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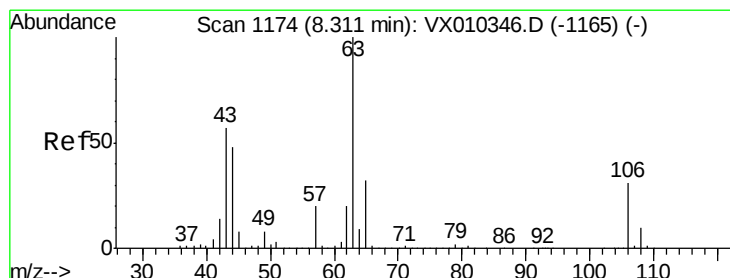
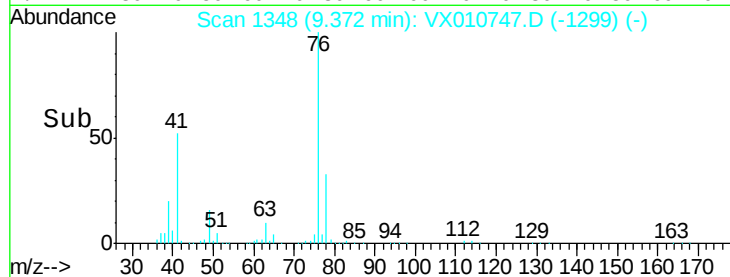
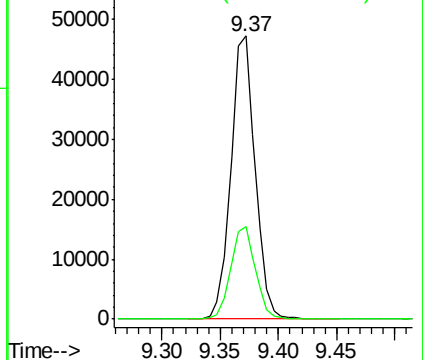
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7/10/2019 10:19:39 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 90.751 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010747.D

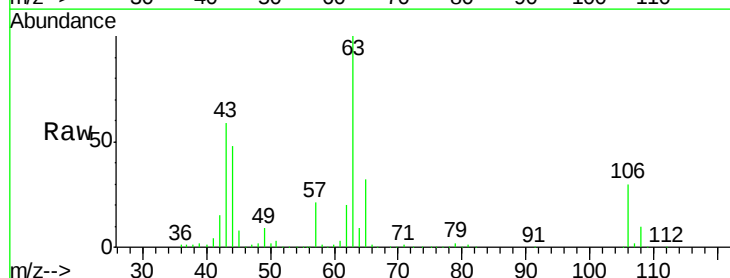
Acq: 09 Jul 2019 13:51

Tgt Ion: 63 Resp: 136955

Ion Ratio Lower Upper

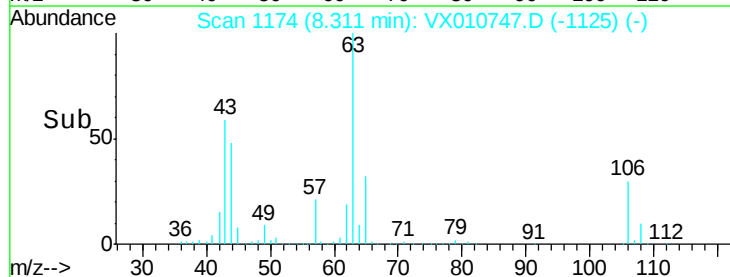
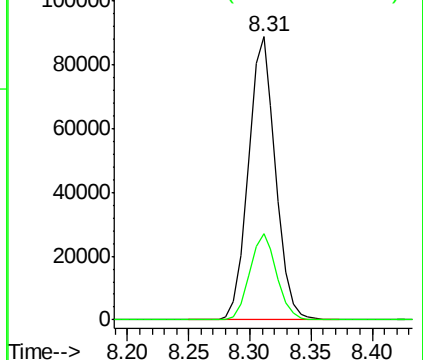
63 100

106 30.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





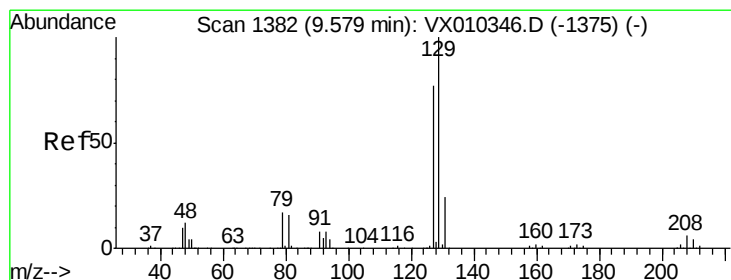
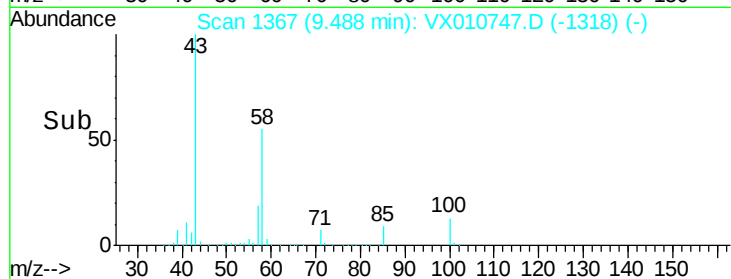
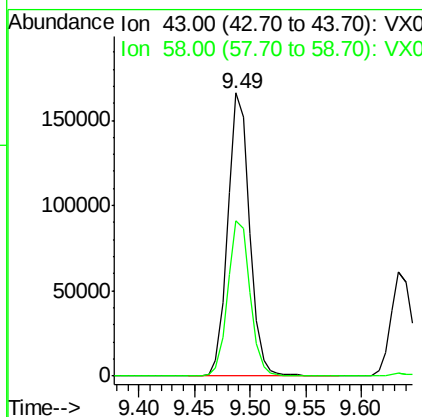
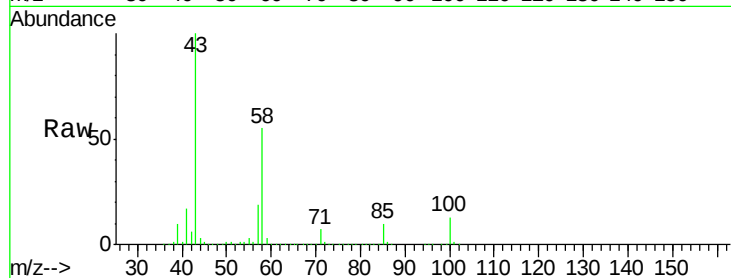
#59
2-Hexanone
Concen: 105.861 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion: 43 Resp: 224838
Ion Ratio Lower Upper
43 100
58 56.4 29.0 87.1

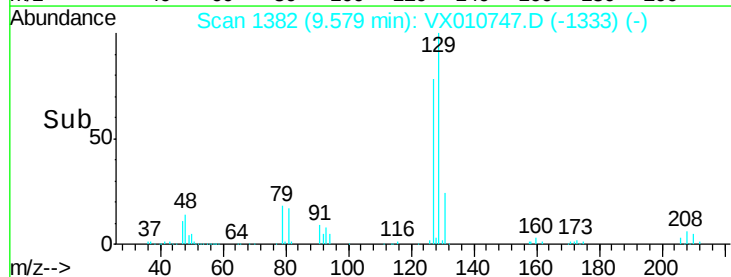
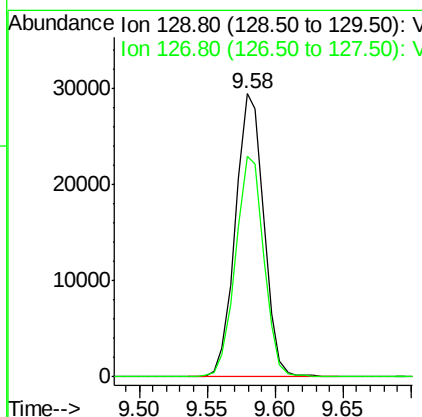
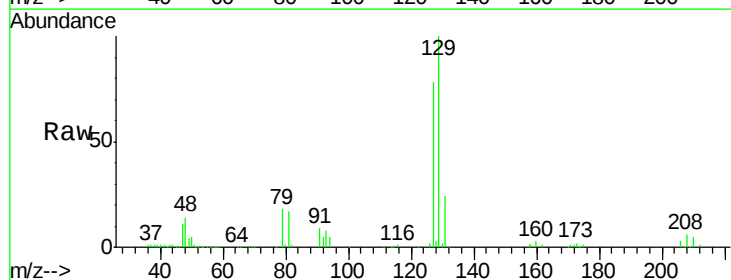
Manual Integrations
APPROVED

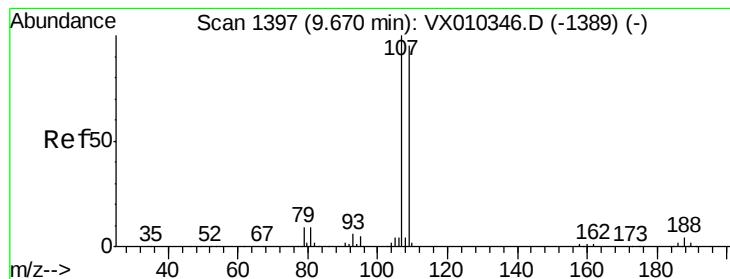
MMDadoda
7/10/2019 10:19:39 AM



#60
Dibromochloromethane
Concen: 18.159 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion: 129 Resp: 42648
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.444 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion: 107 Resp: 46288

Ion Ratio Lower Upper

107 100

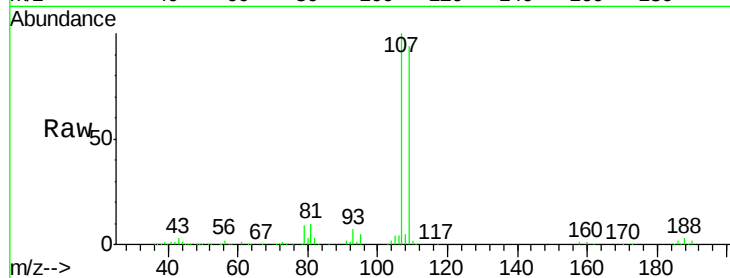
109 95.2 75.8 113.6

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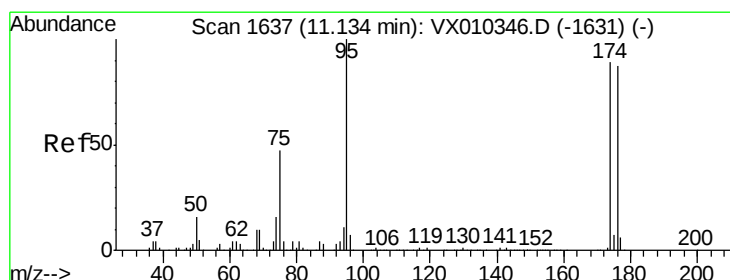
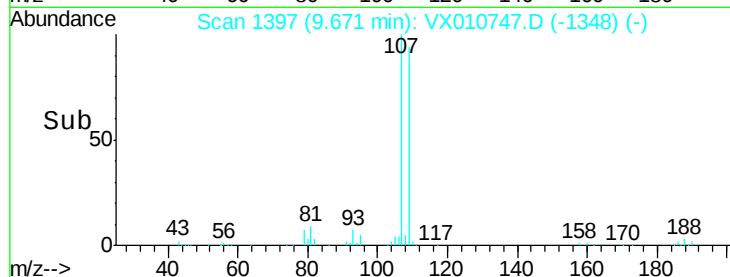
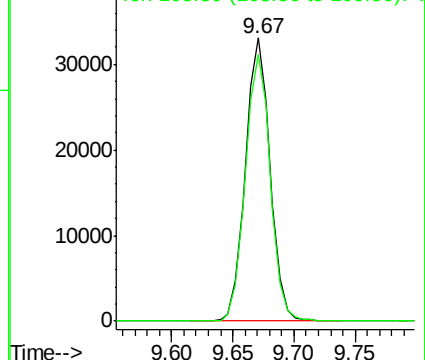
MMDadoda

7/10/2019 10:19:39 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.528 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

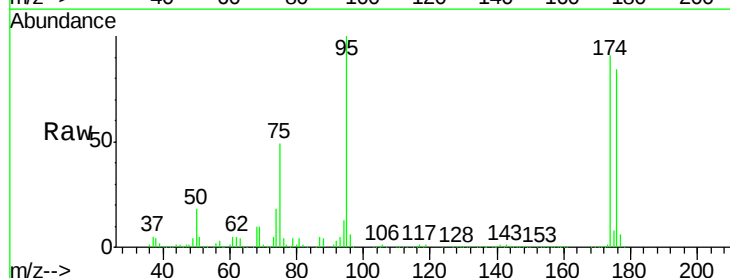
Tgt Ion: 95 Resp: 125300

Ion Ratio Lower Upper

95 100

174 93.9 0.0 187.6

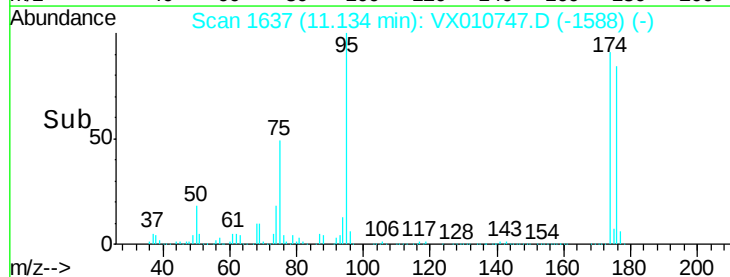
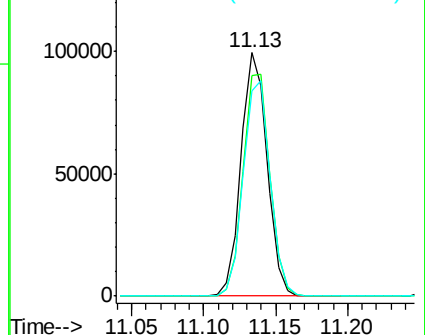
176 91.0 0.0 184.0

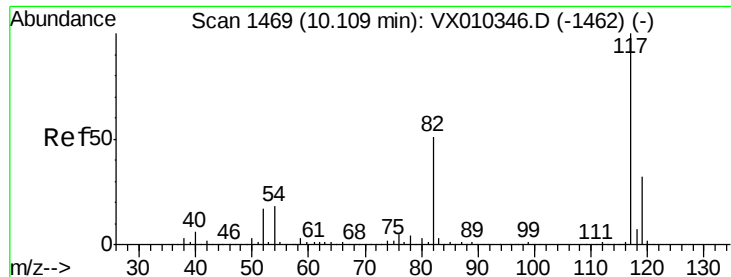


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





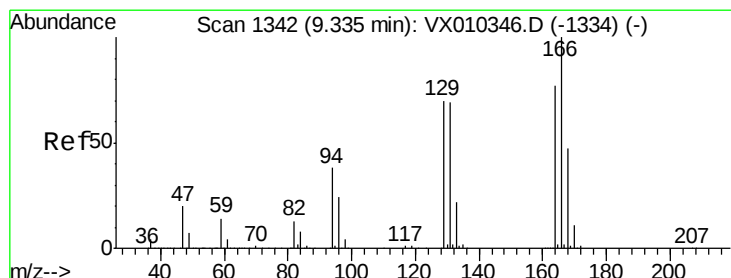
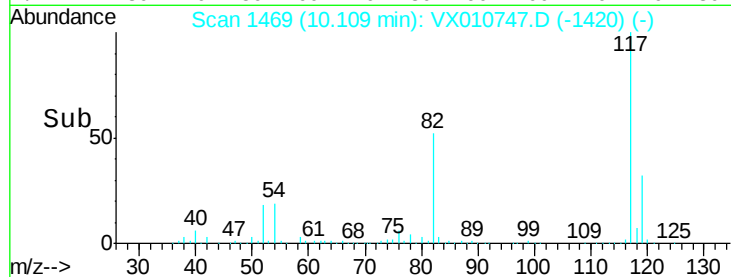
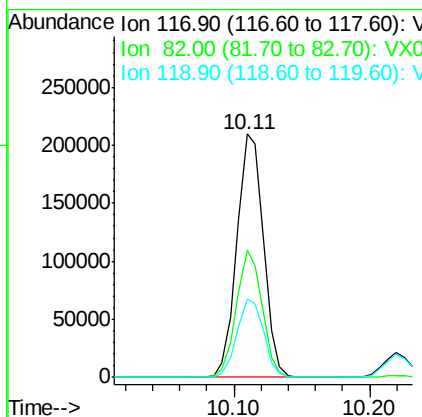
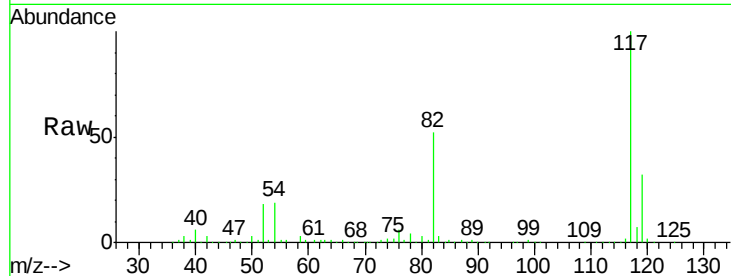
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.2	61.8
119	32.3	25.5	38.3

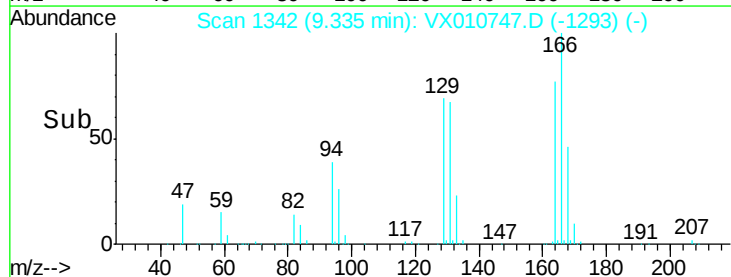
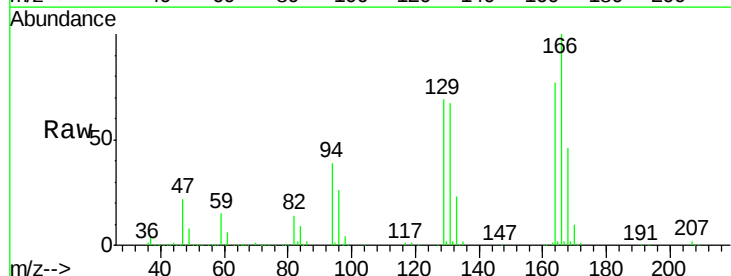
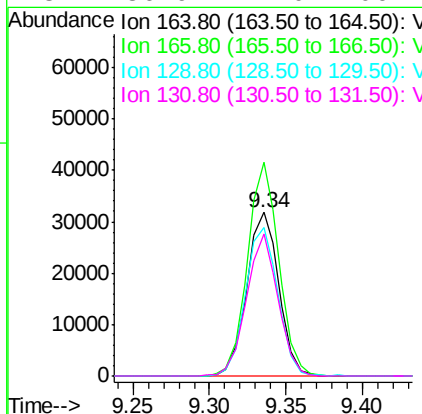
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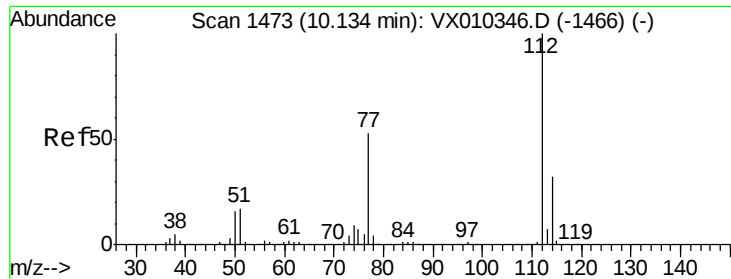
MMDadoda
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#64
Tetrachloroethene
Concen: 20.002 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.6	155.4
129	90.5	73.0	109.4
131	86.9	71.0	106.4





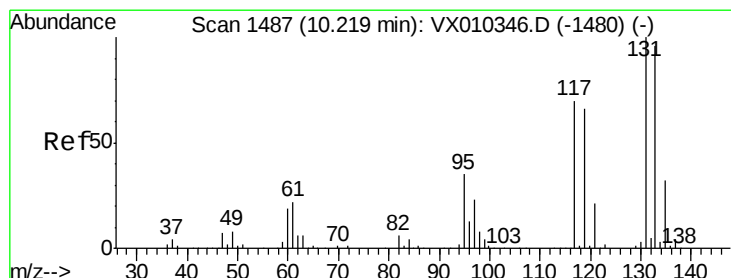
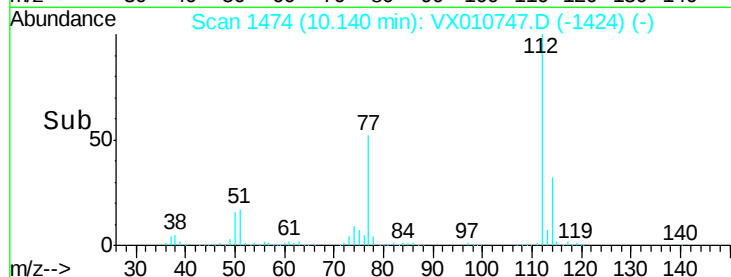
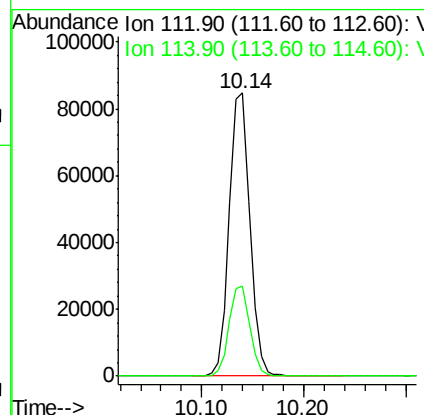
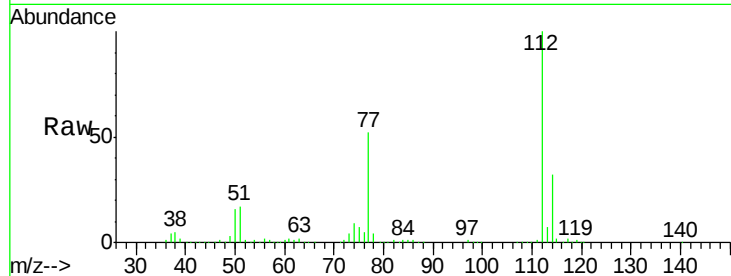
#65
Chlorobenzene
Concen: 20.542 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion:112 Resp: 119083
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

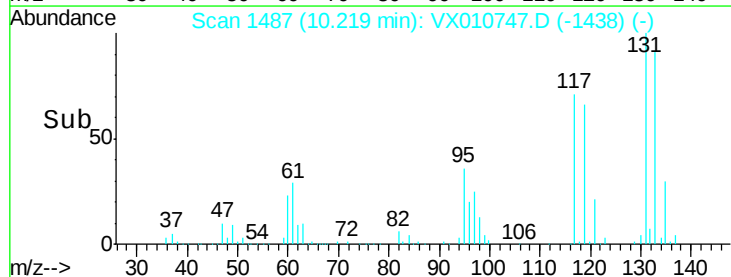
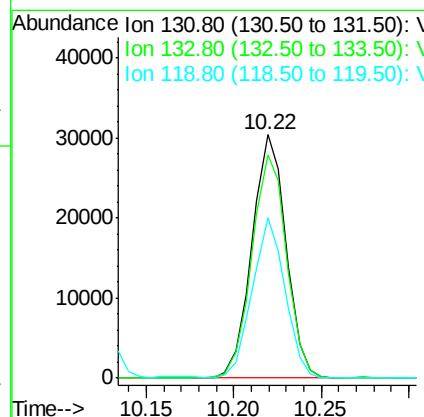
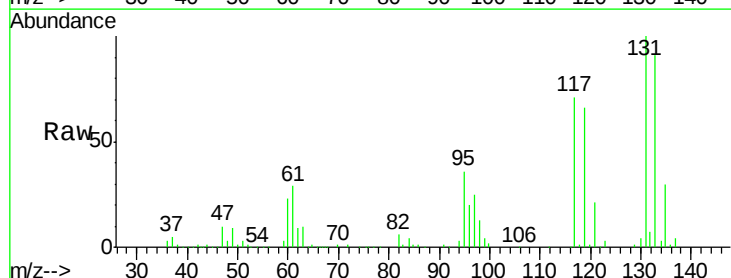
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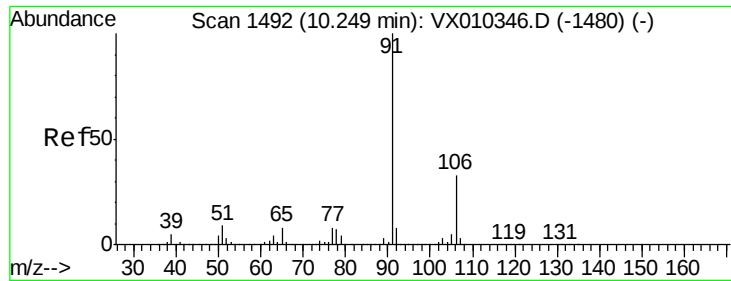
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.545 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion:131 Resp: 41271
Ion Ratio Lower Upper
131 100
133 93.2 47.7 143.1
119 63.6 32.6 97.7





#67

Ethyl Benzene

Concen: 20.707 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleID :

VX0709WBSD01

Tot Ion: 91 Resp: 202659

Ion Ratio Lower Upper

91 100

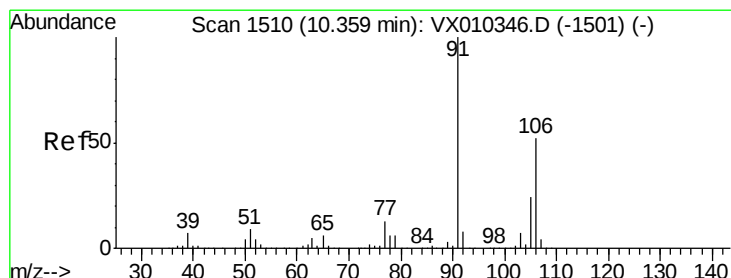
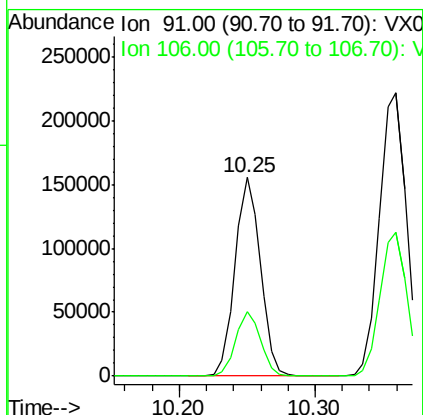
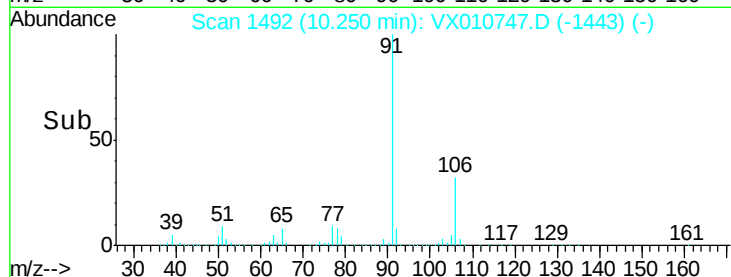
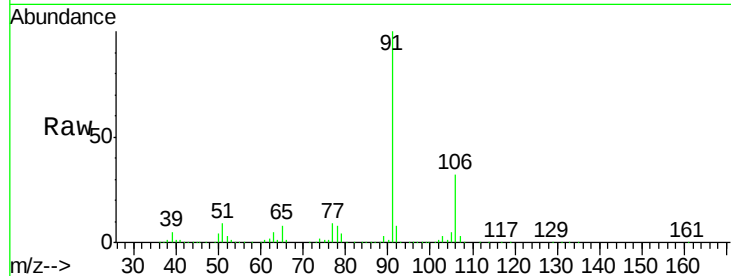
106 32.4 26.2 39.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.069 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010747.D

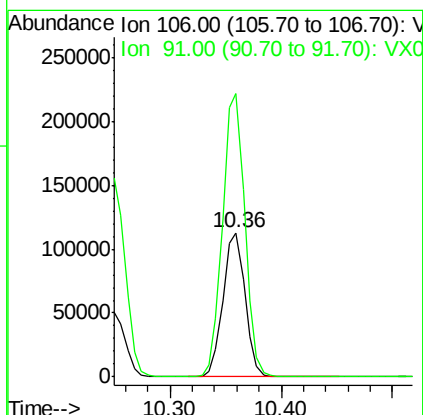
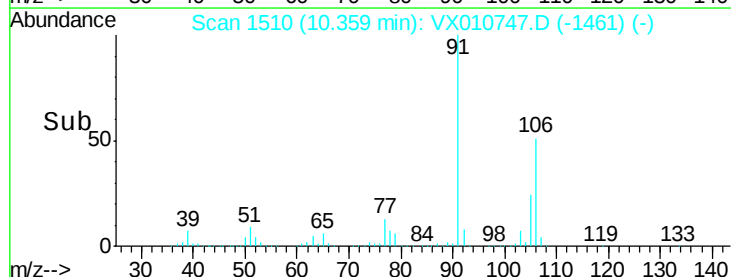
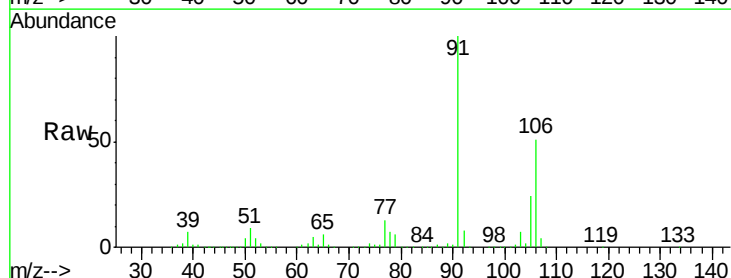
Acq: 09 Jul 2019 13:51

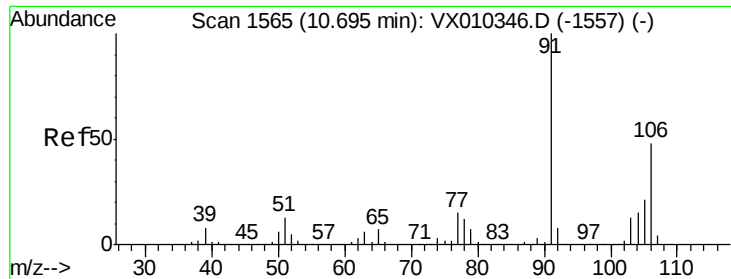
Tgt Ion: 106 Resp: 155741

Ion Ratio Lower Upper

106 100

91 196.9 155.3 232.9





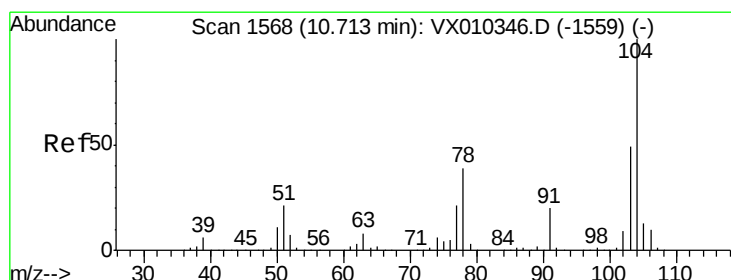
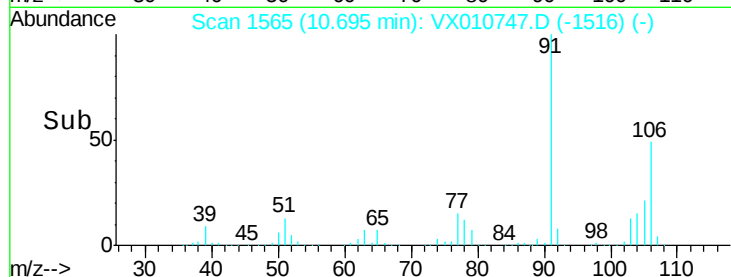
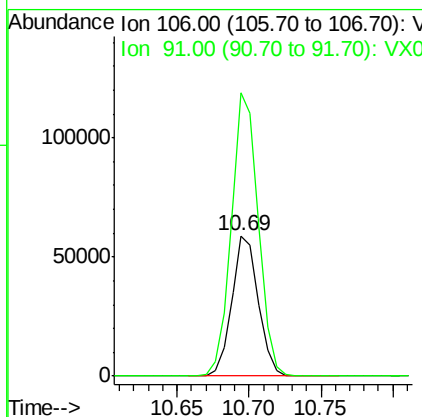
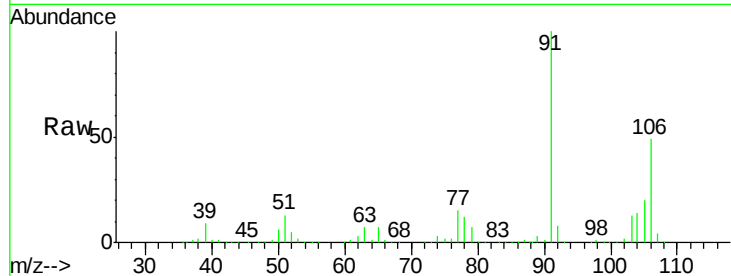
#69
o-Xylene
Concen: 20.448 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion:106 Resp: 76255
Ion Ratio Lower Upper
106 100
91 204.1 102.7 308.1

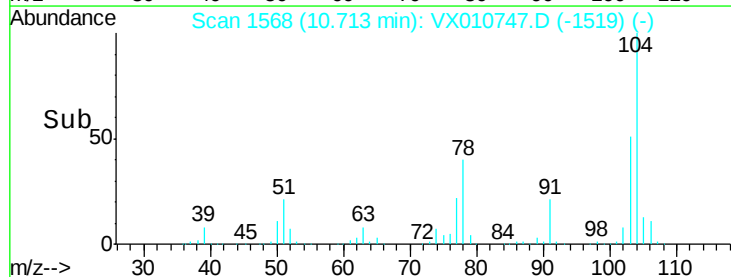
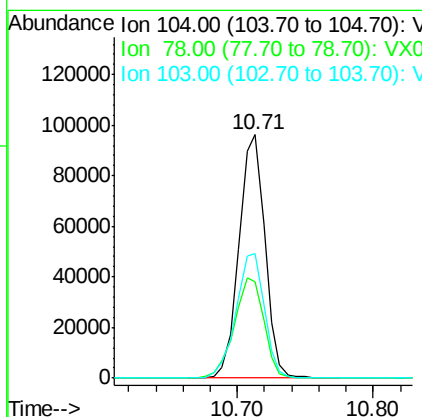
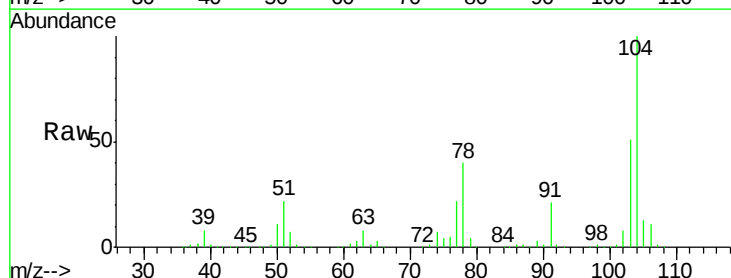
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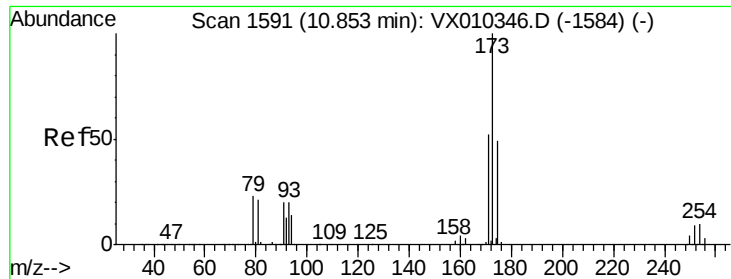
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#70
Styrene
Concen: 20.560 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion:104 Resp: 128584
Ion Ratio Lower Upper
104 100
78 46.9 36.2 54.2
103 56.2 44.2 66.4





#71

Bromoform

Concen: 16.580 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion:173 Resp: 30447

Ion Ratio Lower Upper

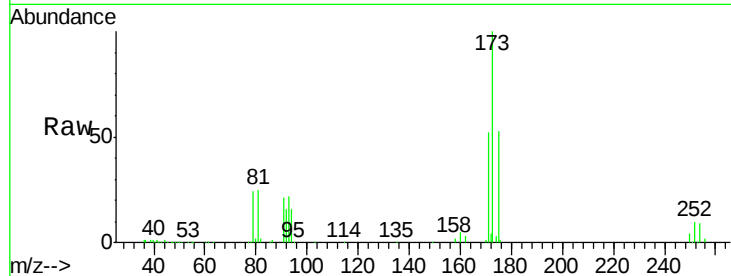
173 100

175 50.8 24.1 72.3

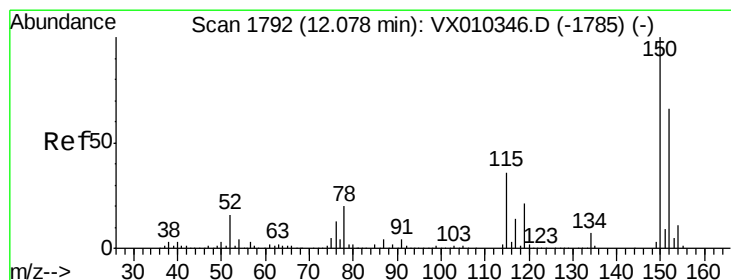
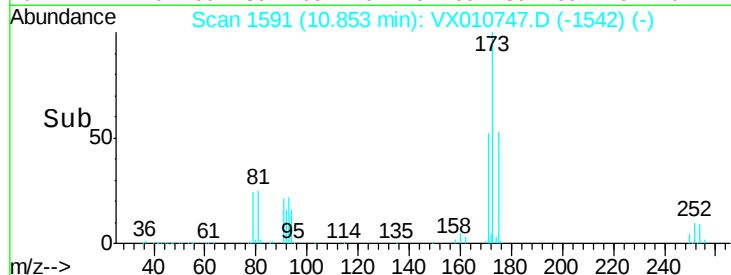
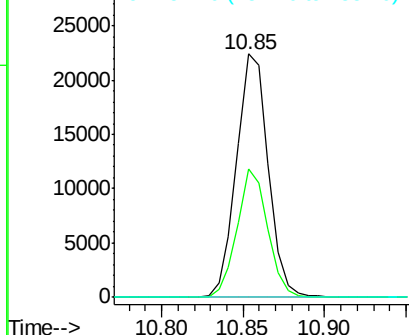
254 0.0 0.2 0.2#

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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: VX010747.D

Acq: 09 Jul 2019 13:51

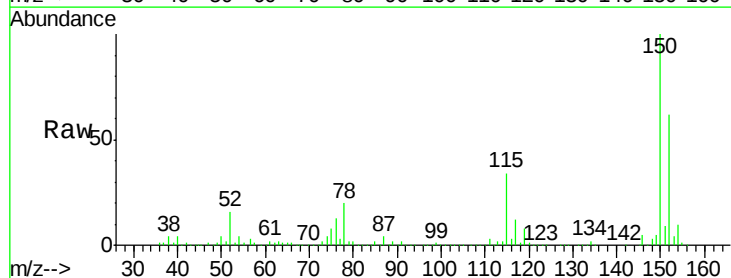
Tgt Ion:152 Resp: 148808

Ion Ratio Lower Upper

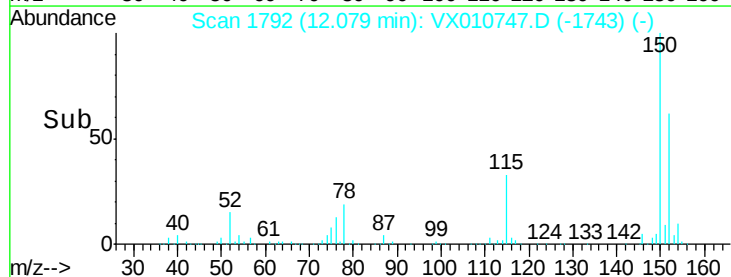
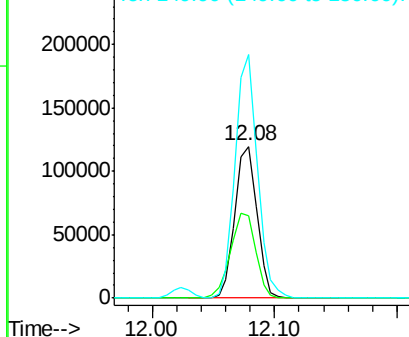
152 100

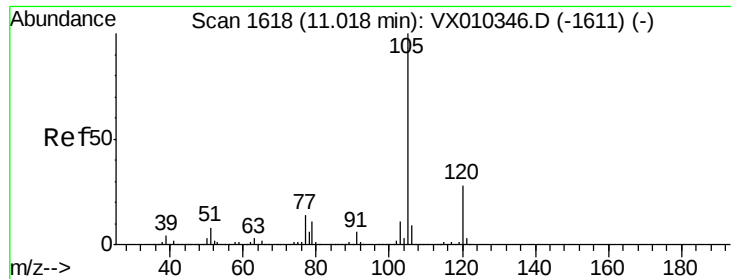
115 64.2 38.6 115.7

150 162.7 0.0 347.4



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





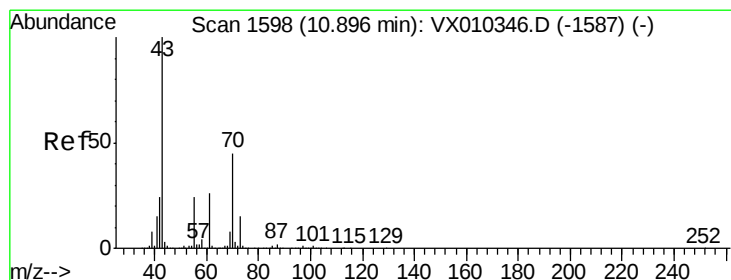
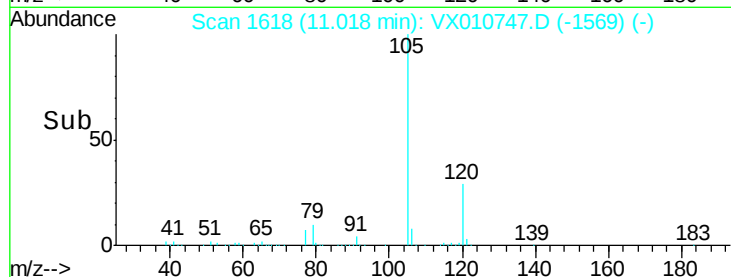
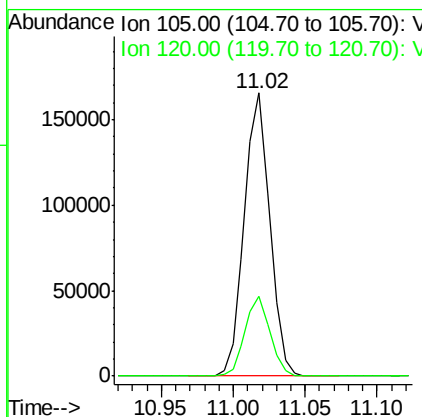
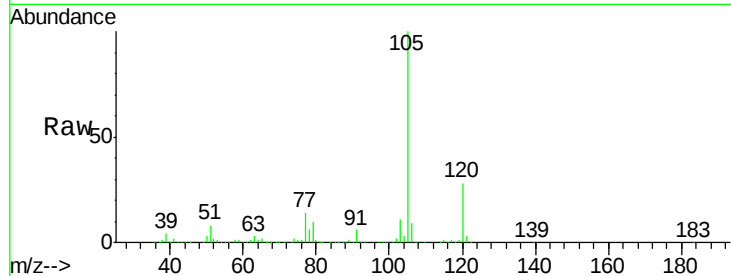
#73
Isopropylbenzene
Concen: 20.162 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	14.1	42.4

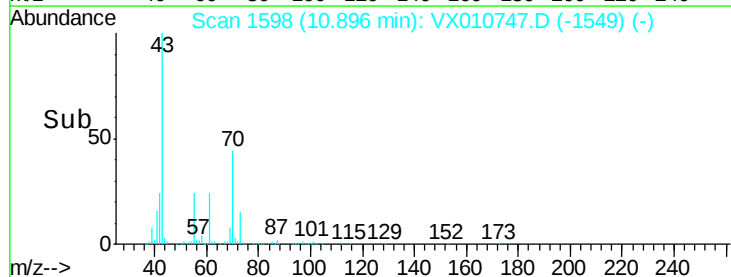
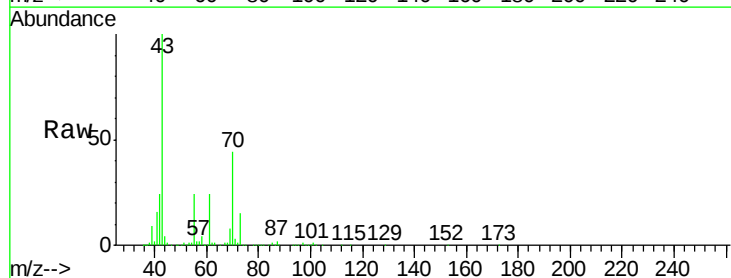
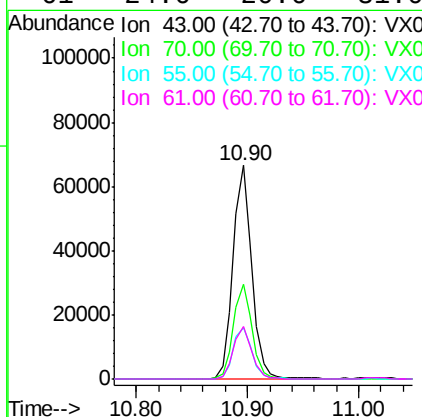
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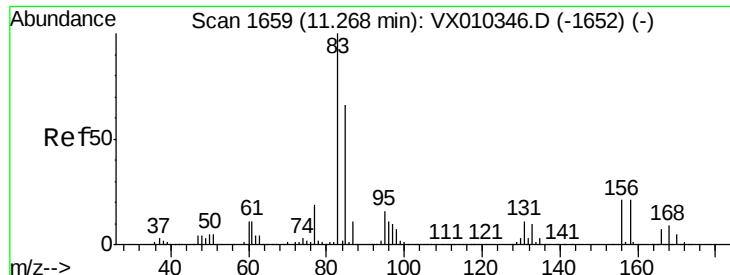
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#74
N-ethyl acetate
Concen: 20.380 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.3	36.6	54.8
55	24.8	18.7	28.1
61	24.6	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.326 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

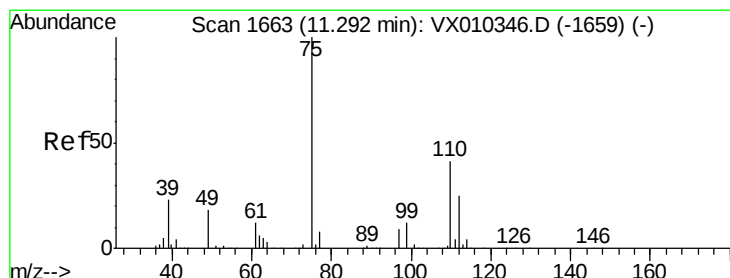
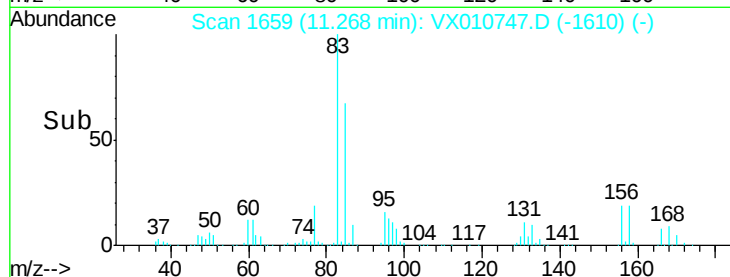
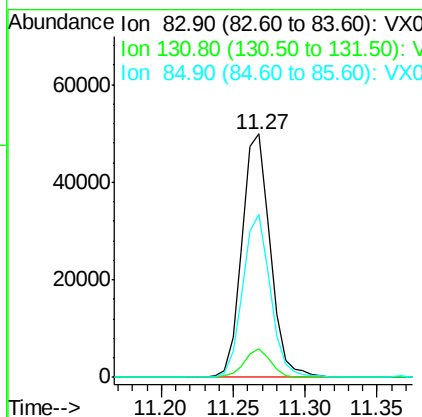
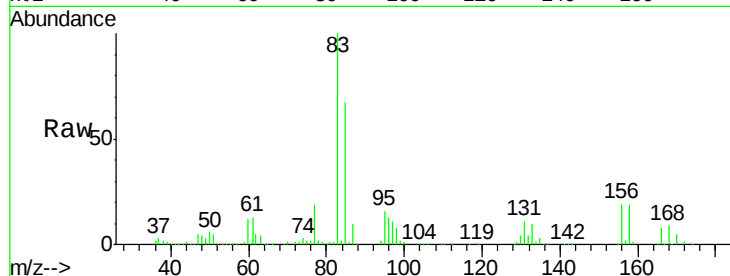
ClientSampleId :

VX0709WBSD01

Tot Ion:	83	Resp:	67901
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	65.4	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 22.690 ug/l m

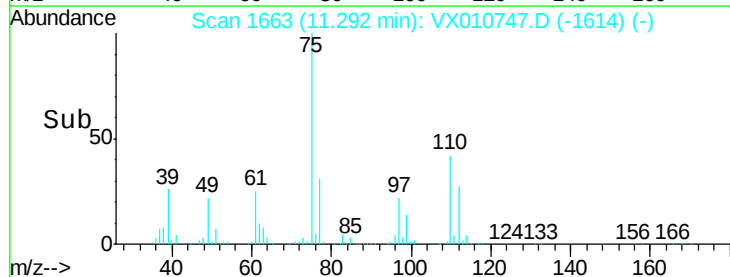
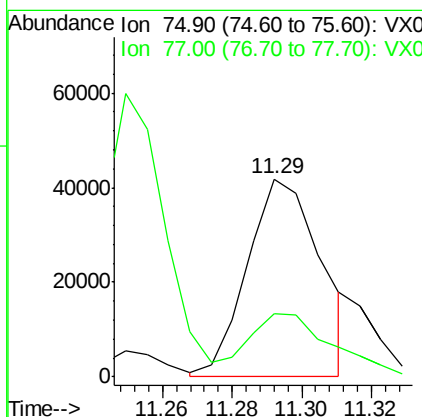
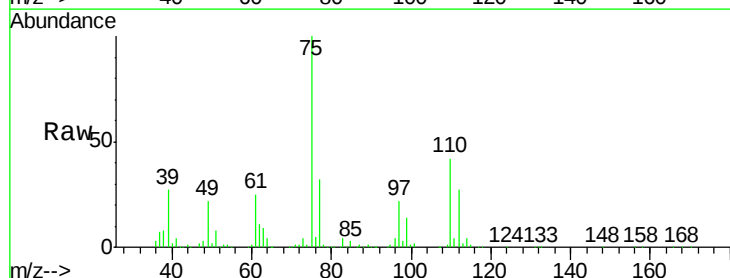
RT: 11.29 min Scan# 1663

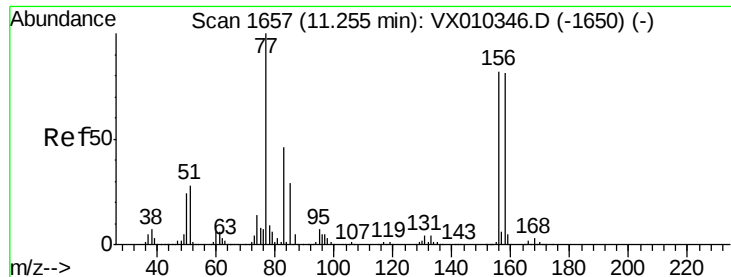
Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Tgt Ion:	75	Resp:	61527
Ion	Ratio	Lower	Upper
75	100		
77	36.9	22.6	67.8





#77

Bromobenzene

Concen: 19.270 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion:156 Resp: 54276

Ion Ratio Lower Upper

156 100

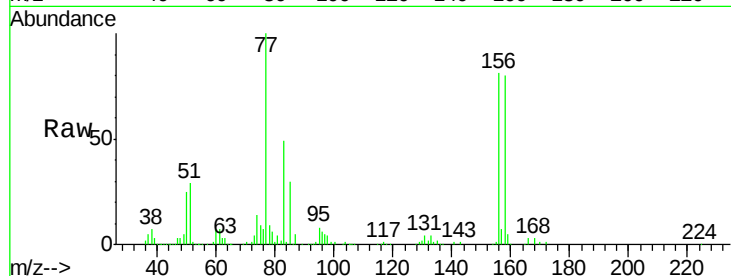
77 138.0 66.3 198.7

158 101.0 48.9 146.7

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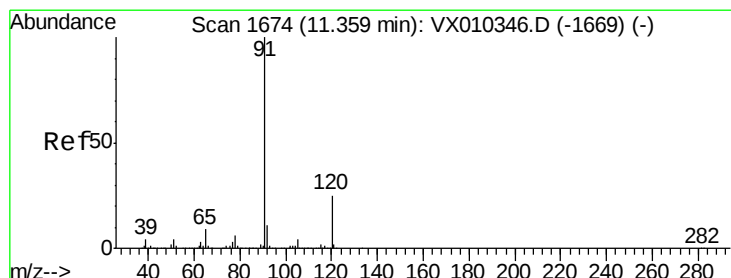
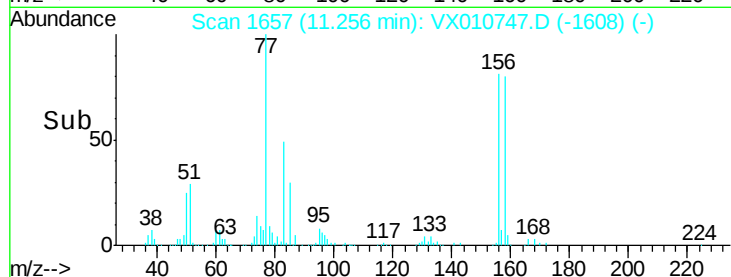
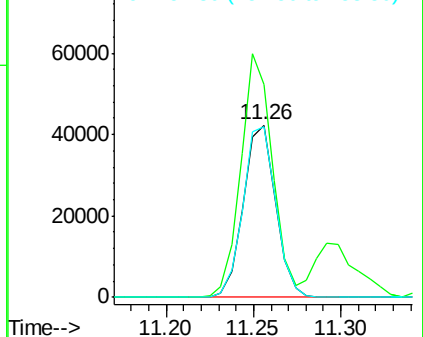
7/10/2019 10:19:39 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.267 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010747.D

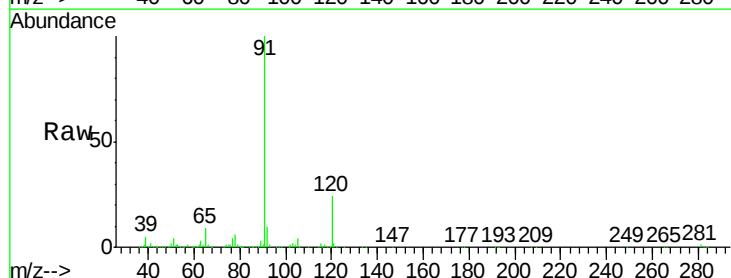
Acq: 09 Jul 2019 13:51

Tgt Ion: 91 Resp: 224689

Ion Ratio Lower Upper

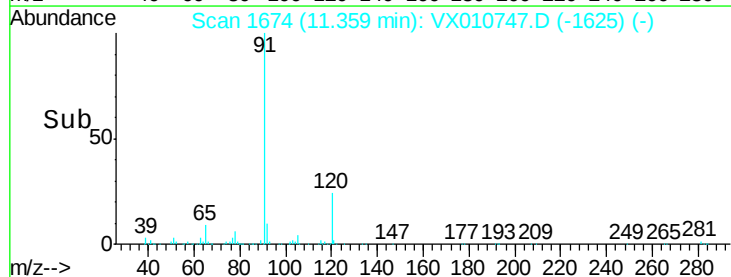
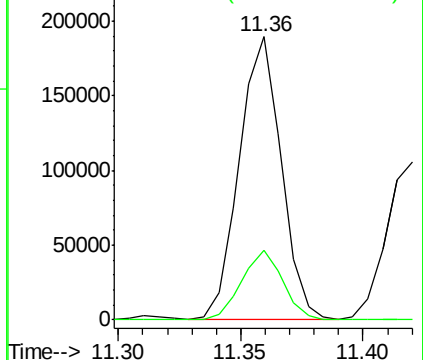
91 100

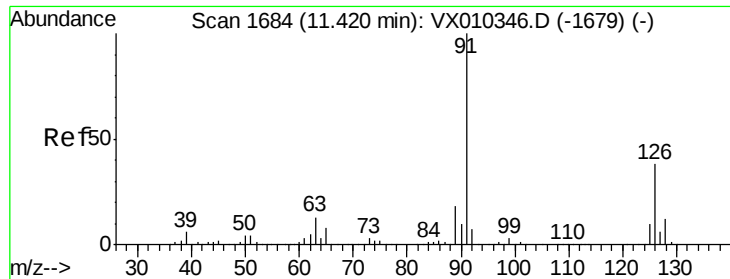
120 24.4 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.002 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampled :

VX0709WBSD01

Tot Ion: 91 Resp: 132044

Ion Ratio Lower Upper

91 100

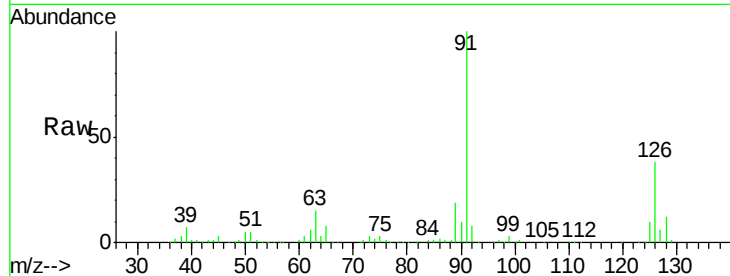
126 37.3 18.7 56.1

Manual Integrations

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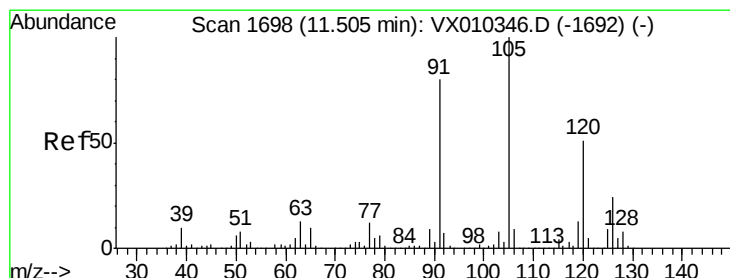
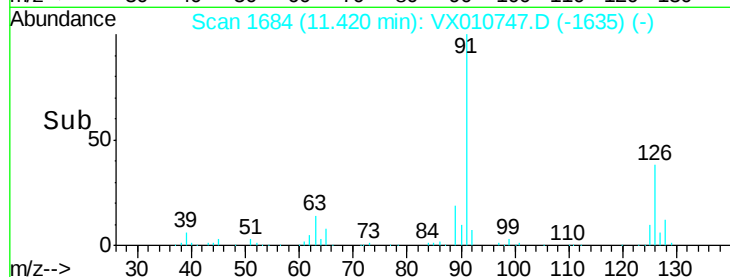
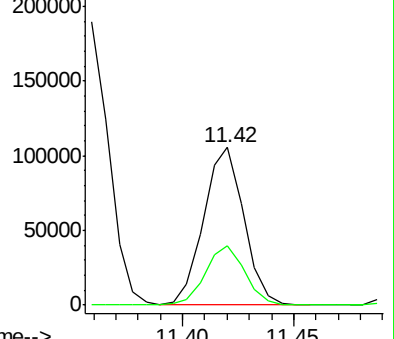
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.402 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010747.D

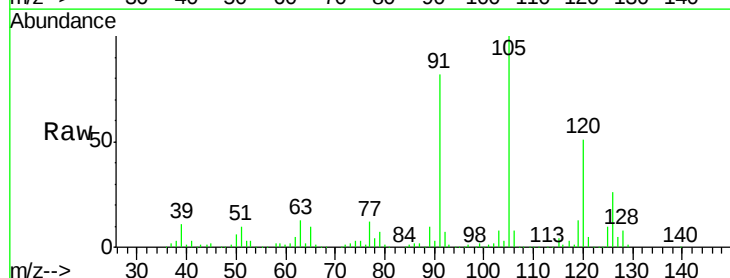
Acq: 09 Jul 2019 13:51

Tgt Ion:105 Resp: 169660

Ion Ratio Lower Upper

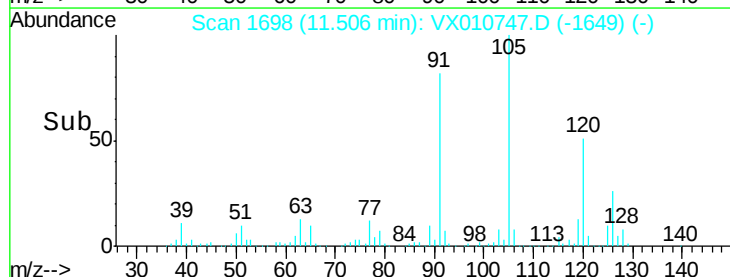
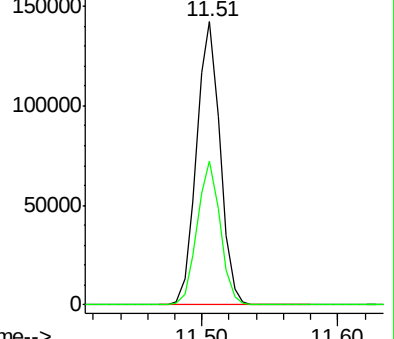
105 100

120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 14.552 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

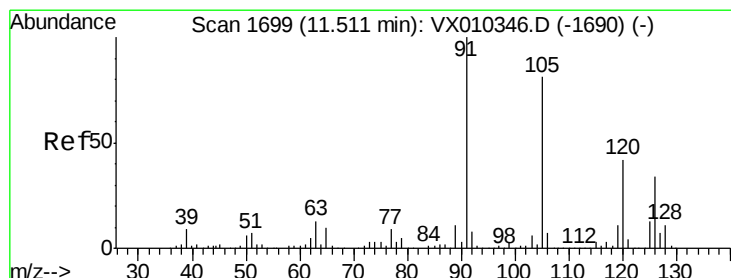
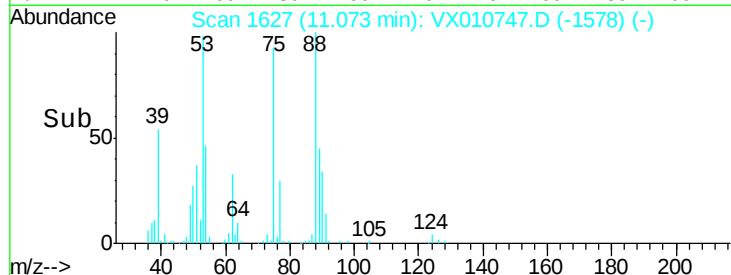
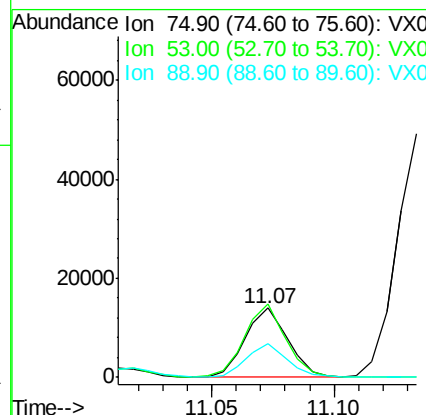
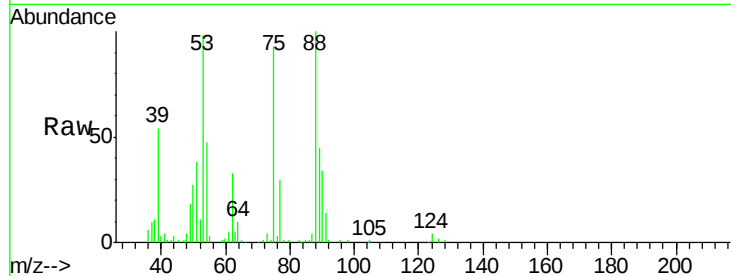
ClientSampleId :

VX0709WBSD01

Tot Ion:	75	Resp:	16915
Ion Ratio	Lower	Upper	
75	100		
53	102.5	66.1	99.1#
89	46.6	37.8	56.6

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#82

4-Chlorotoluene

Concen: 20.382 ug/l

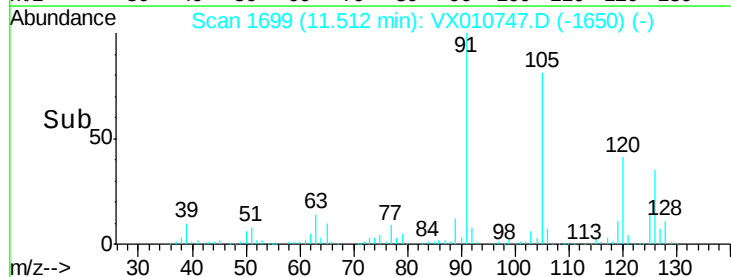
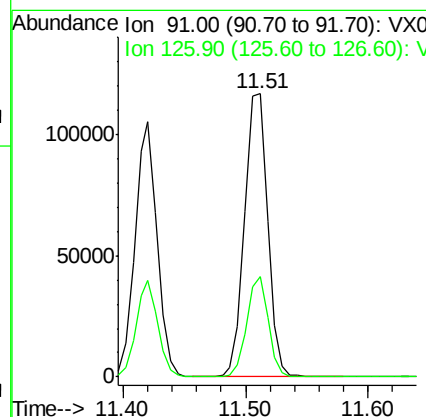
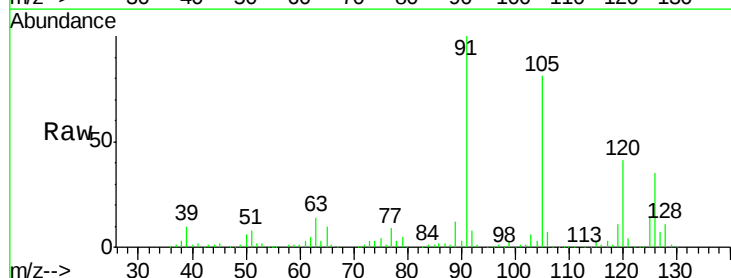
RT: 11.51 min Scan# 1699

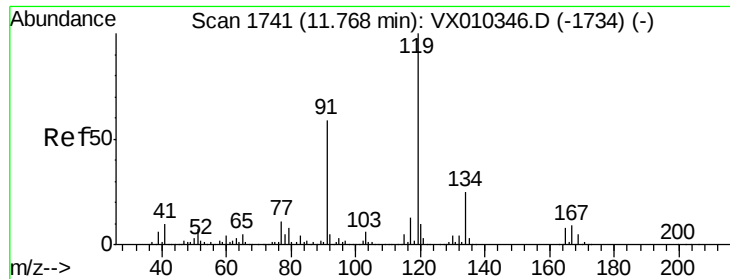
Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Tgt Ion:	91	Resp:	153111
Ion Ratio	Lower	Upper	
91	100		
126	32.9	16.2	48.6





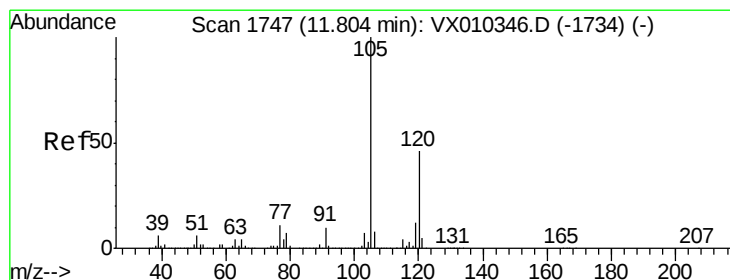
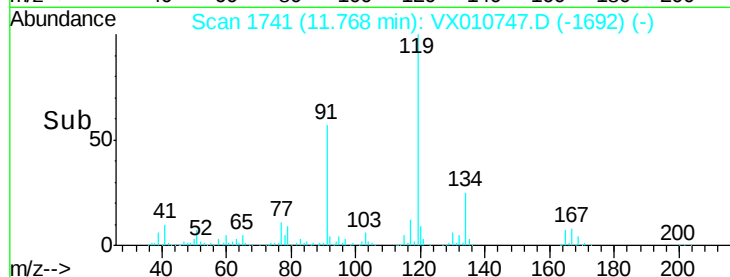
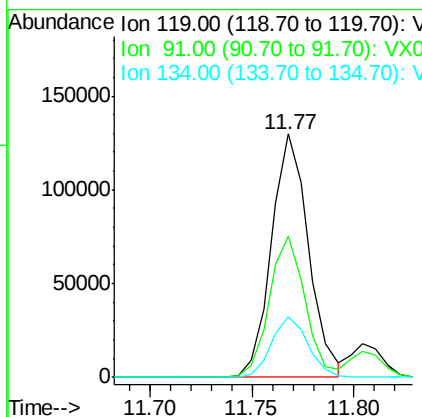
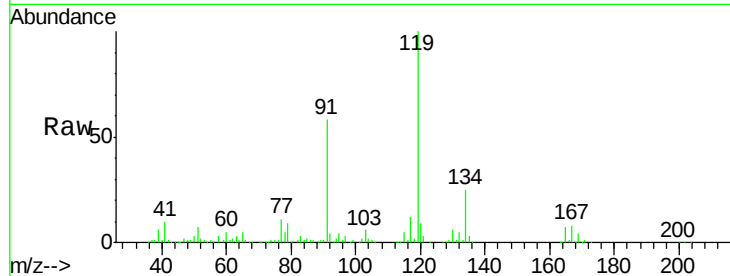
#83
tert-Butylbenzene
Concen: 19.700 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	164425		
91	56.2	27.6	82.7	
134	24.6	11.8	35.4	

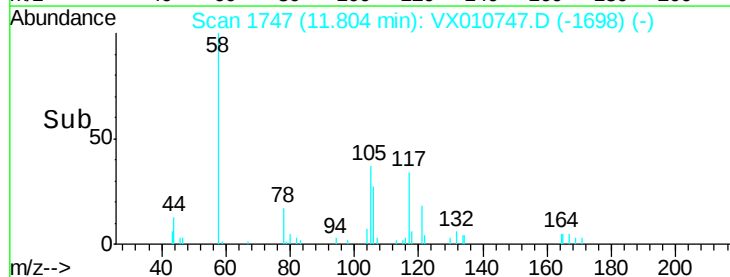
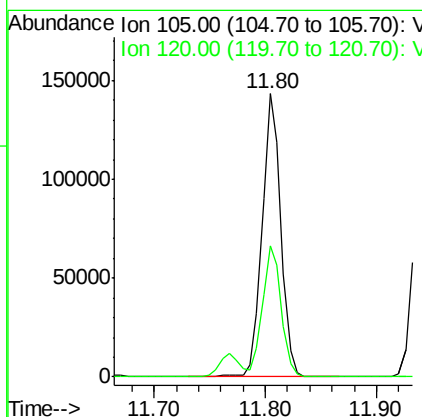
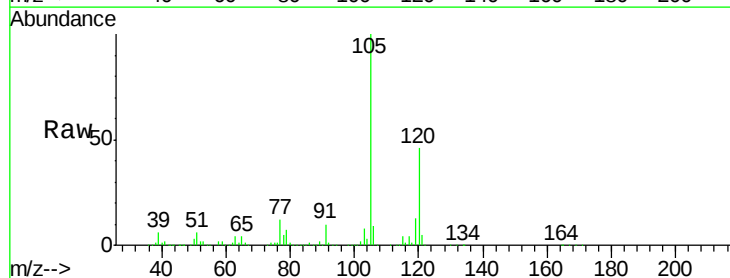
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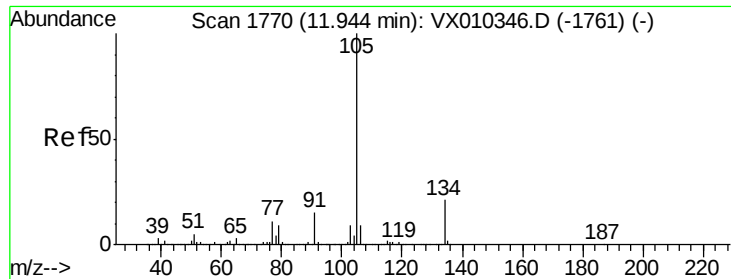
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#84
1,2,4-Trimethylbenzene
Concen: 20.316 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	169735		
120	46.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 20.316 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBSD01

Tot Ion:105 Resp: 199097

Ion Ratio Lower Upper

105 100

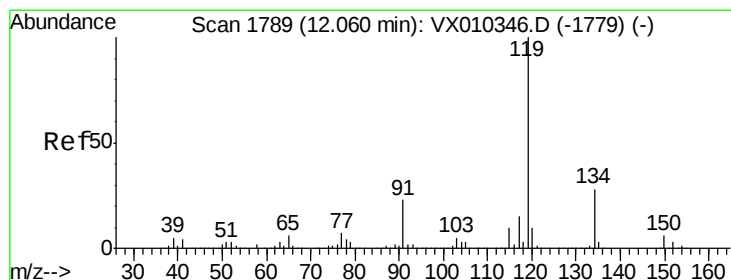
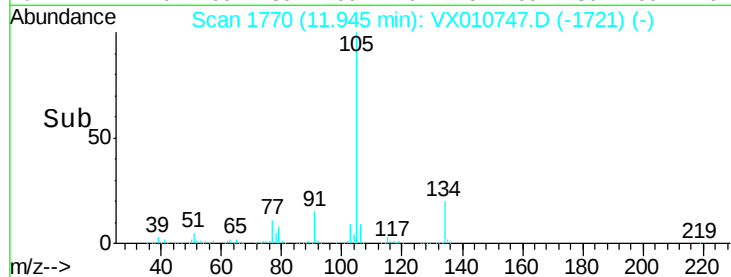
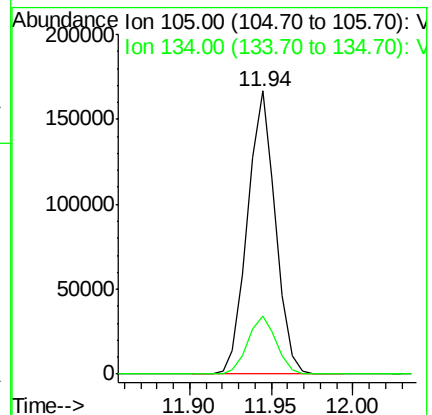
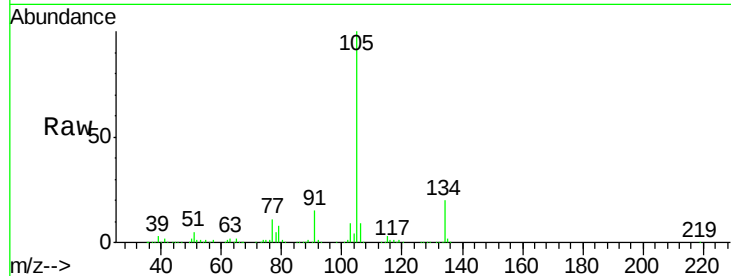
134 20.9 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 20.062 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010747.D

Acq: 09 Jul 2019 13:51

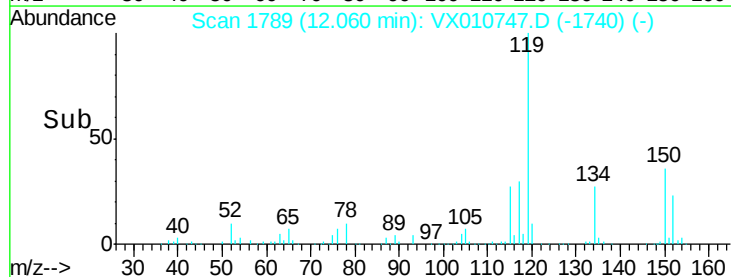
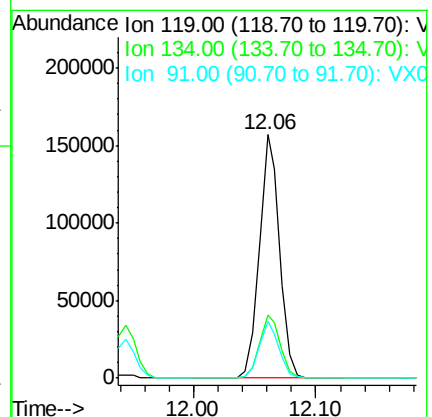
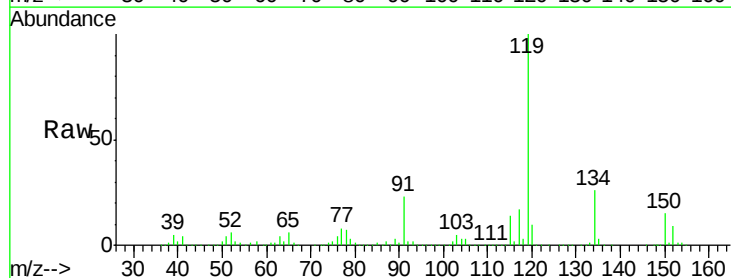
Tgt Ion:119 Resp: 181849

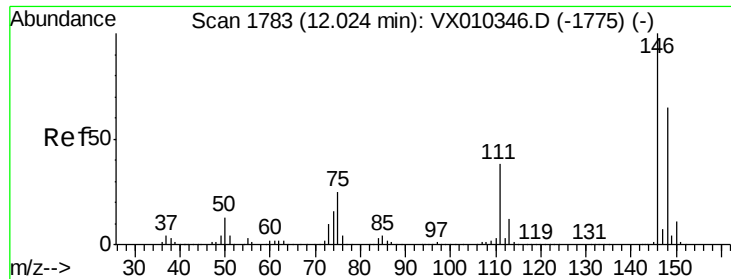
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.1

91 22.7 11.3 33.8





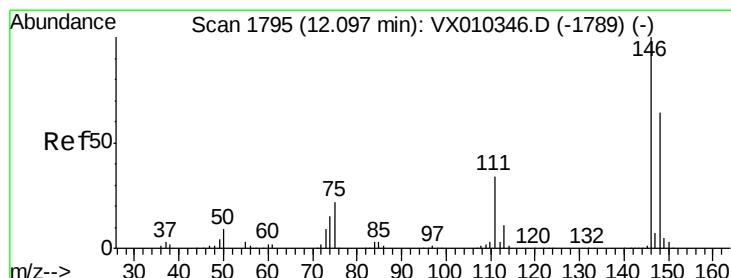
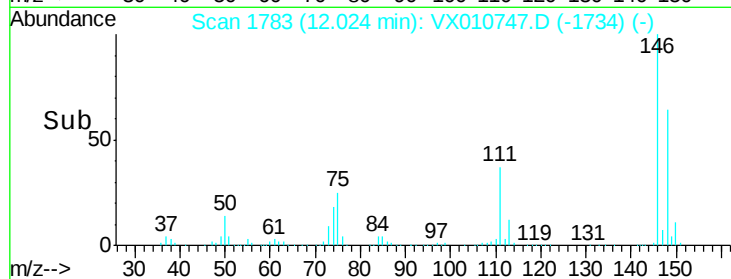
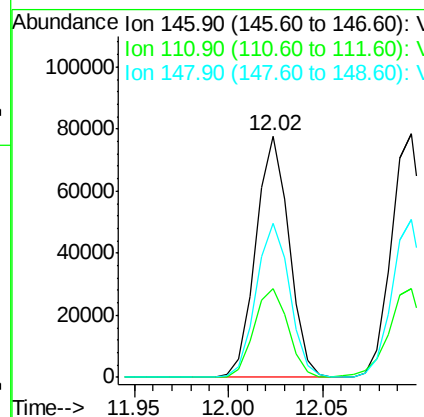
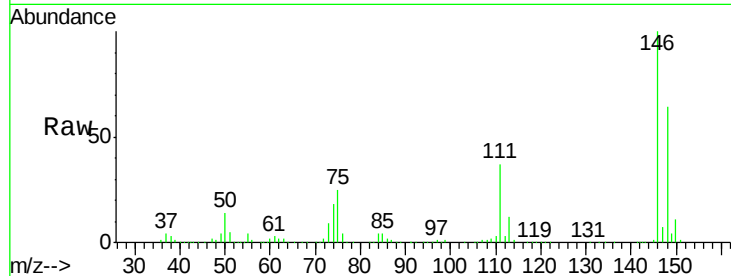
#87
 1,3-Dichlorobenzene
 Concen: 19.393 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	64.5	32.5	97.4

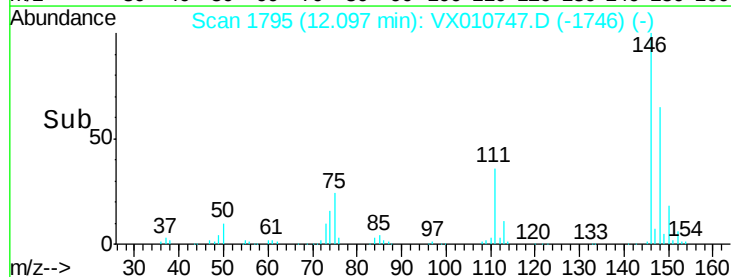
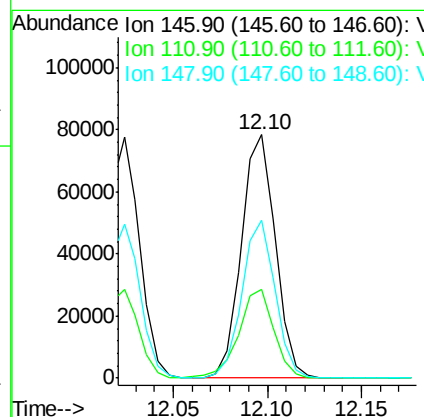
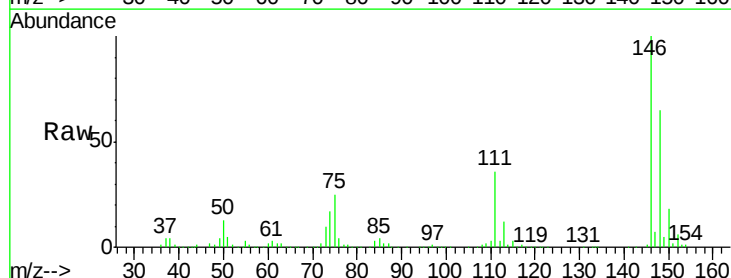
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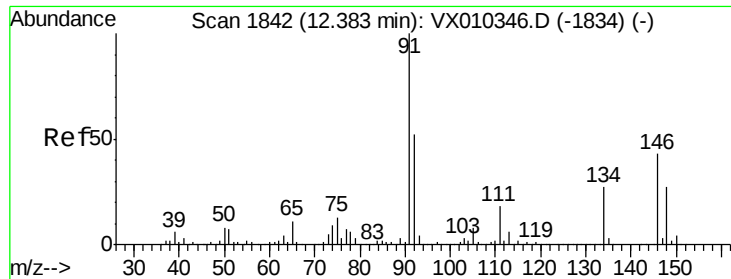
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#88
 1,4-Dichlorobenzene
 Concen: 19.523 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.3
148	63.6	32.1	96.3





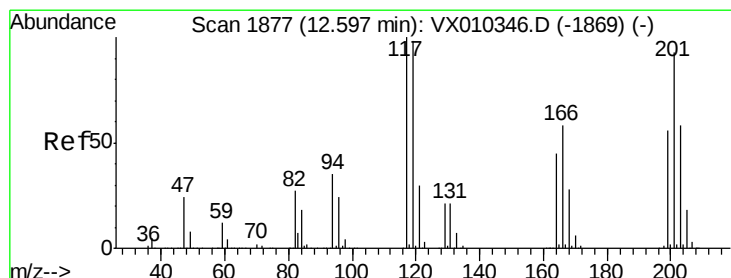
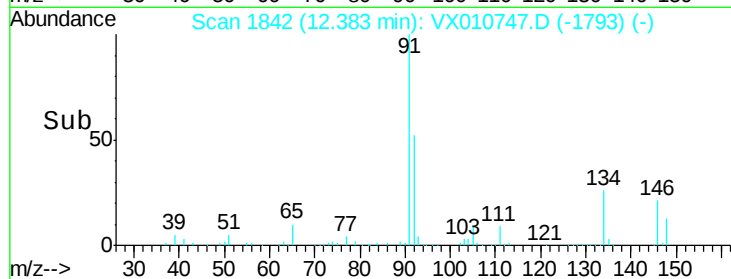
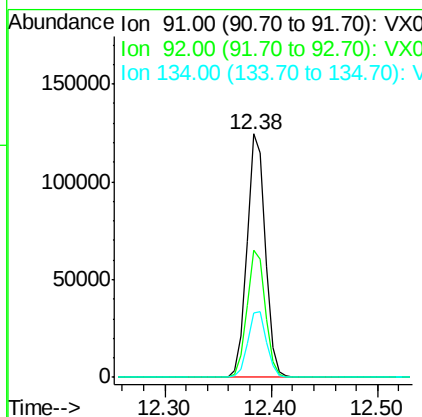
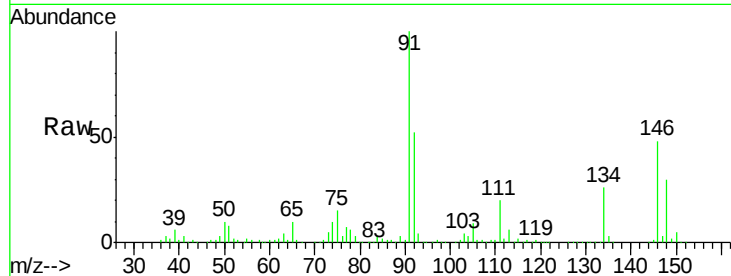
#89
n-Butylbenzene
Concen: 19.475 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	27.7	14.1	42.4

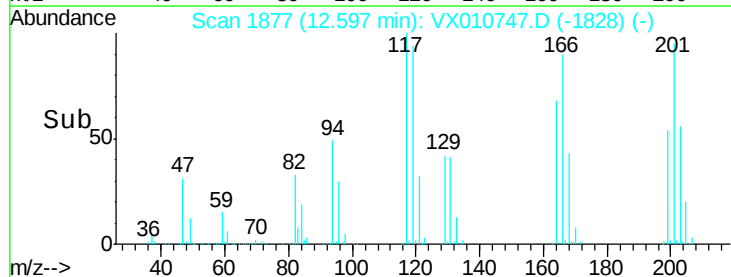
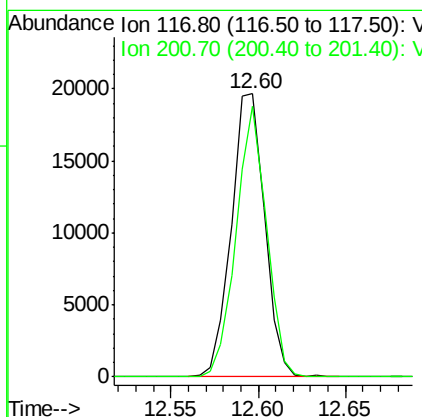
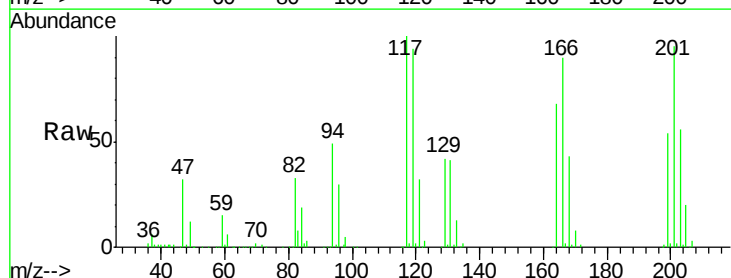
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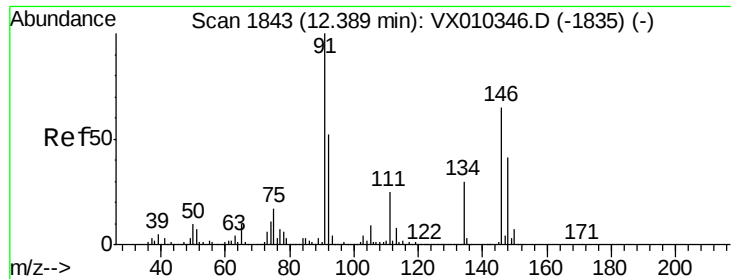
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#90
Hexachloroethane
Concen: 16.708 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.9	44.0	131.8





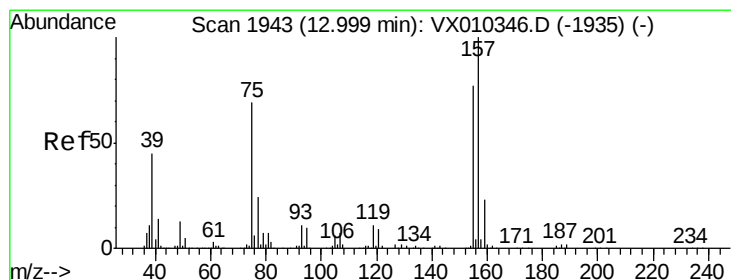
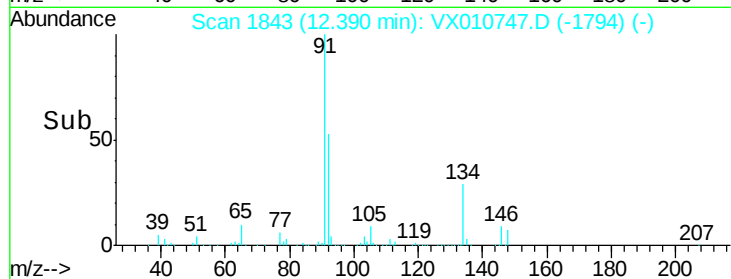
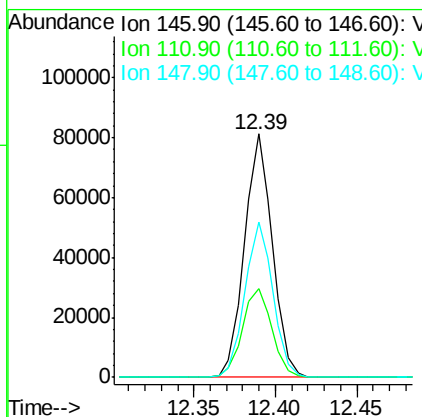
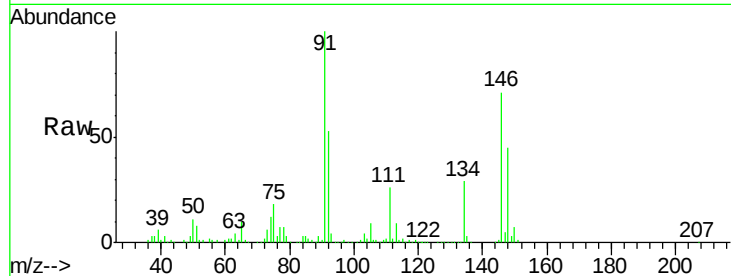
#91
 1,2-Dichlorobenzene
 Concen: 19.887 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.2	57.6
148	64.0	32.0	96.0

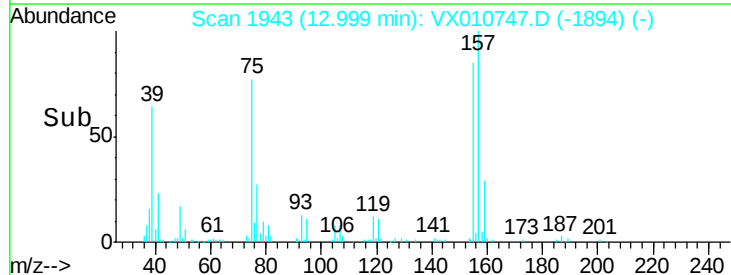
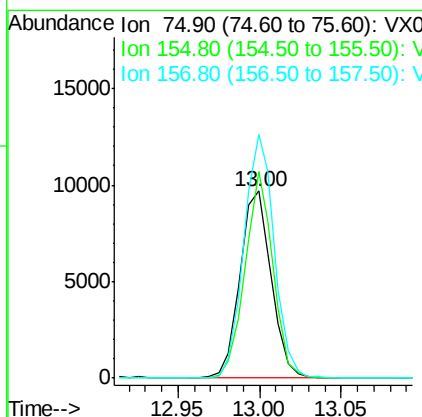
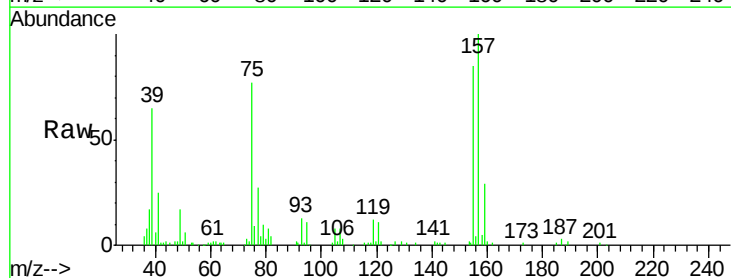
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.920 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	54.4	163.1
157	126.6	69.5	208.3





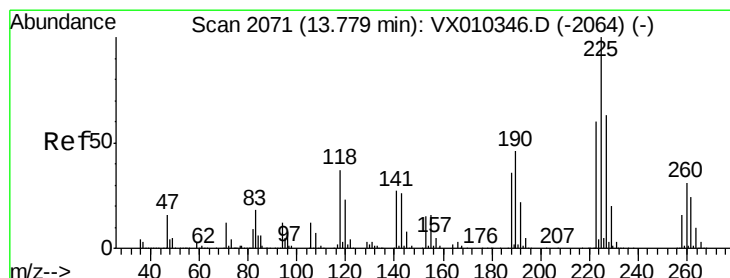
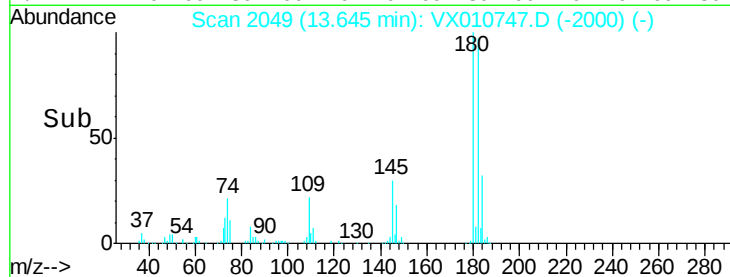
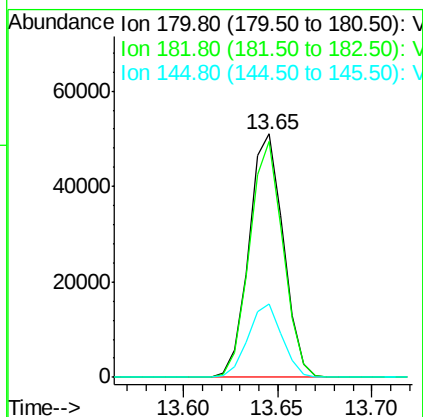
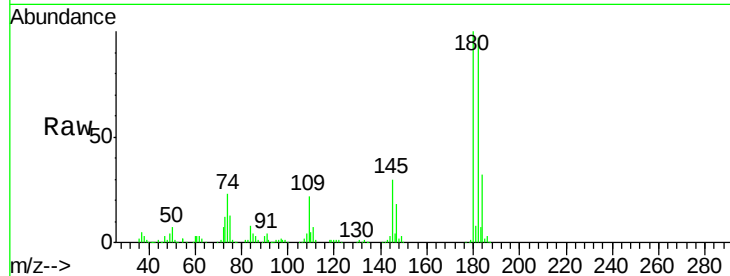
#93
 1,2,4-Trichlorobenzene
 Concen: 18.983 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	64330		
182	94.5		48.0	144.0
145	30.0		14.4	43.4

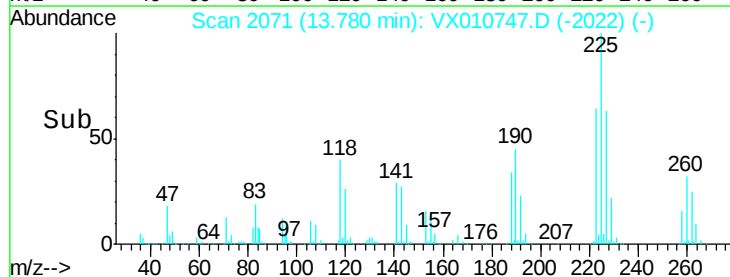
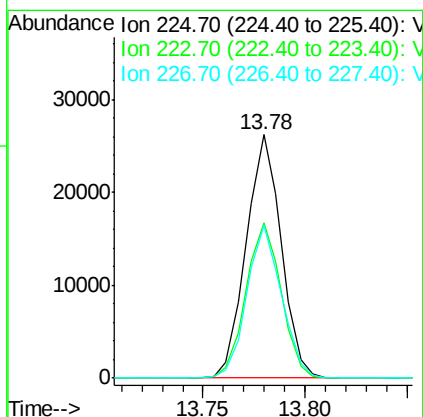
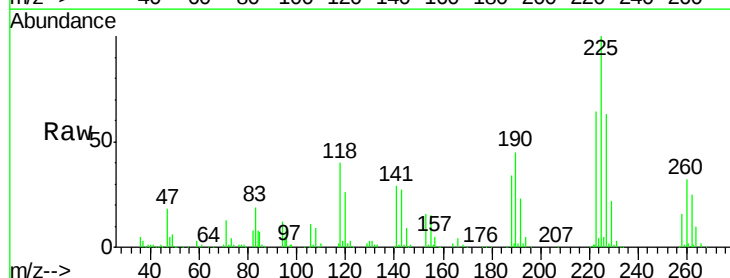
Manual Integrations
 APPROVED

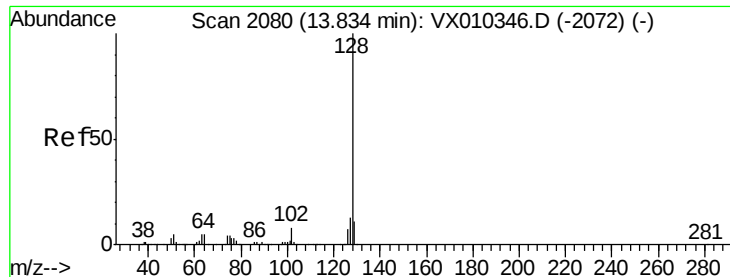
MMDadoda
 7/10/2019 10:19:39 AM



#94
 Hexachlorobutadiene
 Concen: 18.926 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010747.D
 Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31345		
223	64.1		30.9	92.7
227	61.7		31.9	95.5





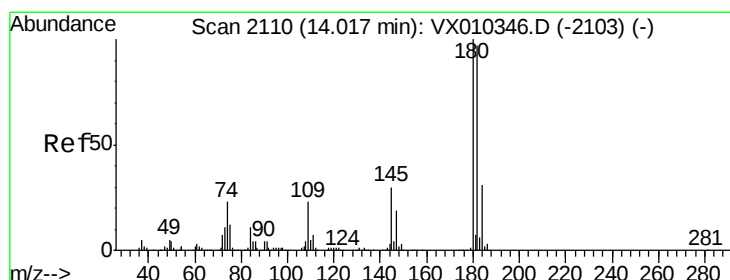
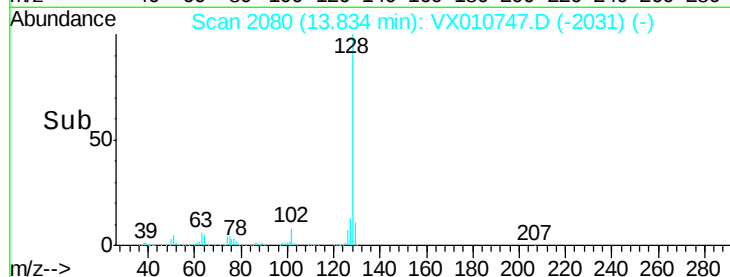
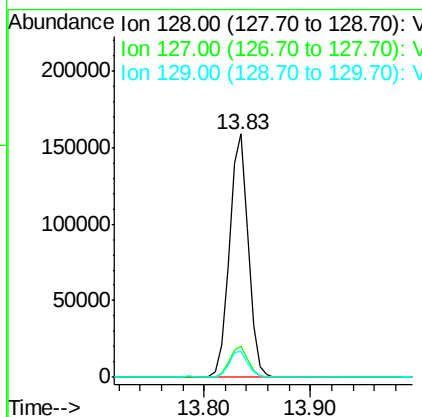
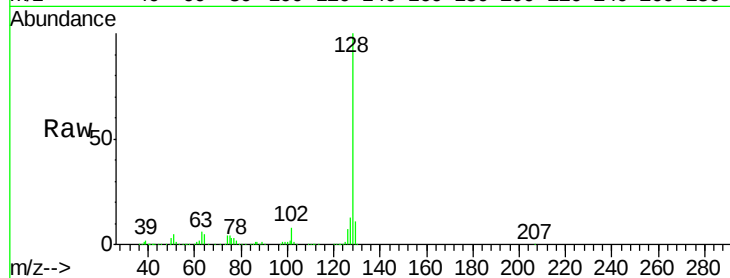
#95
Naphthalene
Concen: 18.874 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/10/2019 10:19:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.591 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010747.D
Acq: 09 Jul 2019 13:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.8	143.3
145	30.3	15.2	45.6

