

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070119\
 Data File : VX010581.D
 Acq On : 01 Jul 2019 11:27
 Operator : JC/SP
 Sample : VX0701WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 9:55:06 AM

Quant Time: Jul 02 05:34:56 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	245569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	362549	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	329969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166750	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	122759	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
35) Dibromofluoromethane	5.50	113	118943	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
50) Toluene-d8	8.71	98	440673	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.13	95	154750	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29970	17.554	ug/l	98
3) Chloromethane	1.33	50	34294	17.250	ug/l	100
4) Vinyl Chloride	1.41	62	37322	17.140	ug/l	100
5) Bromomethane	1.64	94	24512	23.107	ug/l	98
6) Chloroethane	1.73	64	24755	19.270	ug/l	99
7) Trichlorofluoromethane	1.93	101	67505	19.556	ug/l	99
8) Diethyl Ether	2.19	74	24472	19.770	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	39421	18.845	ug/l	97
10) Methyl Iodide	2.51	142	53585	17.950	ug/l	96
11) Tert butyl alcohol	3.05	59	53487	88.778	ug/l	96
12) 1,1-Dichloroethene	2.37	96	39380	18.501	ug/l	97
13) Acrolein	2.29	56	39607	99.100	ug/l	99
14) Allyl chloride	2.73	41	56194	18.595	ug/l	98
15) Acrylonitrile	3.15	53	118861	99.646	ug/l	99
16) Acetone	2.45	43	107333	93.016	ug/l	97
17) Carbon Disulfide	2.57	76	86636	15.171	ug/l	99
18) Methyl Acetate	2.78	43	48300	21.002	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	131376	19.620	ug/l	98
20) Methylene Chloride	2.86	84	45945	19.348	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	42322	18.487	ug/l	96
22) Diisopropyl ether	3.86	45	125550	19.871	ug/l	92
23) Vinyl Acetate	3.82	43	540143	98.960	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70613	19.335	ug/l	99
25) 2-Butanone	4.68	43	166075	98.115	ug/l	100
26) 2,2-Dichloropropane	4.59	77	58830	18.543	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	51248	19.372	ug/l	99
28) Bromochloromethane	5.02	49	34595	19.812	ug/l	97
29) Tetrahydrofuran	5.13	42	103412	98.634	ug/l	99
30) Chloroform	5.21	83	78072	19.868	ug/l	95
31) Cyclohexane	5.58	56	60947	18.326	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	66307	19.110	ug/l	100
36) 1,1-Dichloropropene	5.80	75	54385	18.877	ug/l	99
37) Ethyl Acetate	4.84	43	58699	19.805	ug/l	98
38) Carbon Tetrachloride	5.79	117	57305	18.368	ug/l	96

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Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 9:55:06 AM

Quant Time: Jul 02 05:34:56 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)
39) Methylcyclohexane	7.46	83	69135	18.256	ug/l	99
40) Benzene	6.15	78	175193	19.519	ug/l	100
41) Methacrylonitrile	5.05	41	31899	19.615	ug/l	97
42) 1,2-Dichloroethane	6.20	62	56315	20.611	ug/l	99
43) Isopropyl Acetate	6.45	43	98710	20.130	ug/l	98
44) Trichloroethene	7.21	130	51116	19.032	ug/l	98
45) 1,2-Dichloropropane	7.52	63	44820	19.774	ug/l	95
46) Dibromomethane	7.66	93	32122	19.752	ug/l	98
47) Bromodichloromethane	7.90	83	56863	19.080	ug/l	99
48) Methyl methacrylate	7.77	41	44981	19.735	ug/l	99
49) 1,4-Dioxane	7.74	88	26111	397.666	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	319514	101.879	ug/l	99
52) Toluene	8.78	92	115052	19.465	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	61649	18.450	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	68872	18.967	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	48975	20.090	ug/l	99
56) Ethyl methacrylate	9.18	69	70737	19.155	ug/l	97
57) 1,3-Dichloropropane	9.37	76	75100	19.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	175208	99.899	ug/l	99
59) 2-Hexanone	9.49	43	248986	100.873	ug/l	99
60) Dibromochloromethane	9.58	129	50193	18.389	ug/l	98
61) 1,2-Dibromoethane	9.67	107	51903	19.725	ug/l	99
64) Tetrachloroethene	9.33	164	51090	19.143	ug/l	99
65) Chlorobenzene	10.14	112	130178	19.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	47097	19.301	ug/l	99
67) Ethyl Benzene	10.25	91	219235	19.385	ug/l	100
68) m/p-Xylenes	10.36	106	168118	38.365	ug/l	100
69) o-Xylene	10.69	106	81911	19.008	ug/l	99
70) Styrene	10.71	104	140010	19.373	ug/l	100
71) Bromoform	10.85	173	38268	18.034	ug/l #	99
73) Isopropylbenzene	11.02	105	220798	19.533	ug/l	99
74) N-amyl acetate	10.90	43	85213	19.947	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	75248	20.101	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	60742m	19.990	ug/l	
77) Bromobenzene	11.26	156	60874	19.287	ug/l	99
78) n-propylbenzene	11.36	91	239709	19.295	ug/l	100
79) 2-Chlorotoluene	11.42	91	142707	19.291	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	179675	19.282	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21952	16.854	ug/l	92
82) 4-Chlorotoluene	11.51	91	160814	19.104	ug/l	98
83) tert-Butylbenzene	11.77	119	183088	19.576	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	182224	19.464	ug/l	98
85) sec-Butylbenzene	11.94	105	213920	19.480	ug/l	99
86) p-Isopropyltoluene	12.06	119	195466	19.244	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	105133	19.082	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	106313	18.954	ug/l	99
89) n-Butylbenzene	12.38	91	164024	19.003	ug/l	99
90) Hexachloroethane	12.60	117	30447	17.335	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	105568	19.279	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14942	18.513	ug/l	95

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ClientSampleId :
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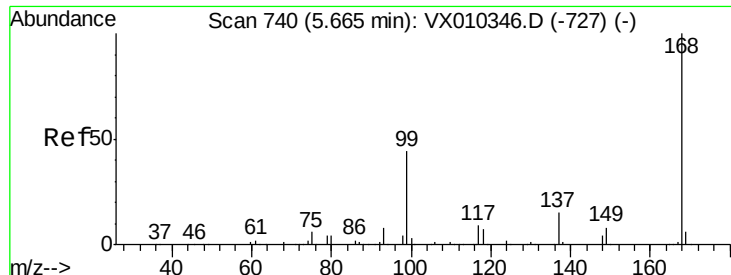
Manual Integrations
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7/2/2019 9:55:06 AM

Quant Time: Jul 02 05:34:56 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)
93) 1,2,4-Trichlorobenzene	13.65	180	72116	18.991	ug/l	98
94) Hexachlorobutadiene	13.78	225	36118	19.461	ug/l	99
95) Naphthalene	13.83	128	225012	19.282	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	72616	19.233	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

VX0701WBS01

Tot Ion:168 Resp: 245569

Ion Ratio Lower Upper

168 100

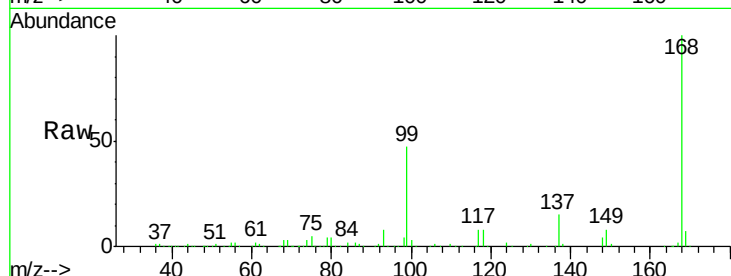
99 46.4 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

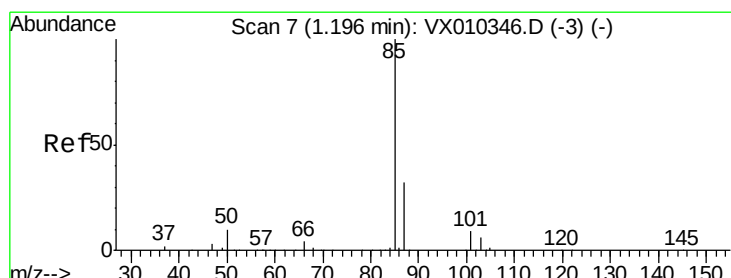
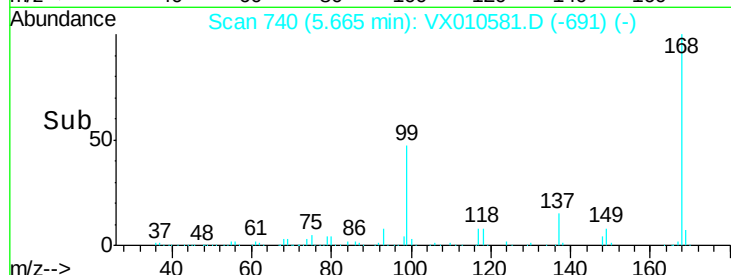
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.554 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010581.D

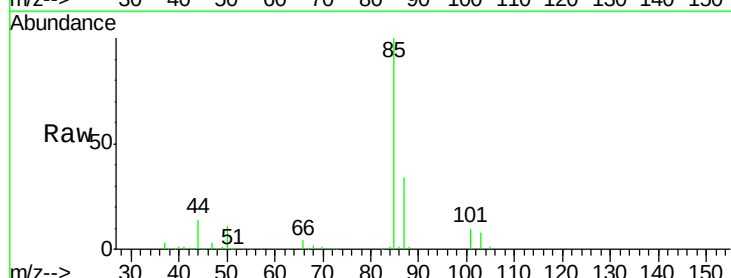
Acq: 01 Jul 2019 11:27

Tgt Ion: 85 Resp: 29970

Ion Ratio Lower Upper

85 100

87 33.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

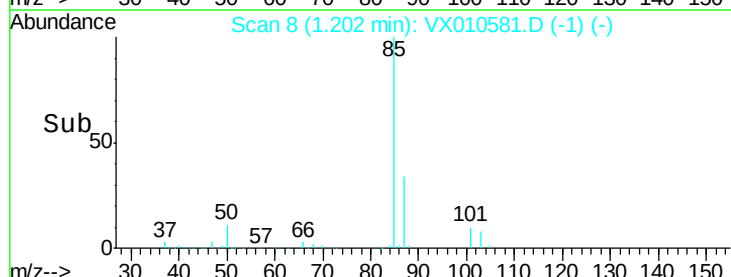
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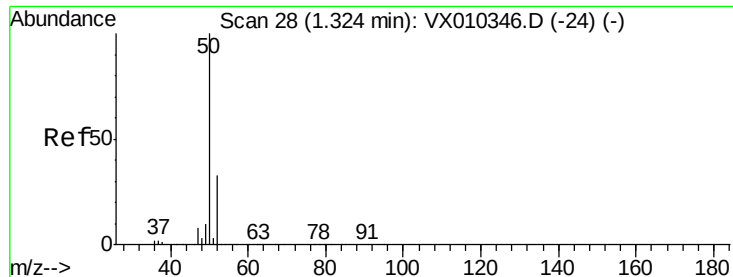
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.250 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion: 50 Resp: 34294

Ion Ratio Lower Upper

50 100

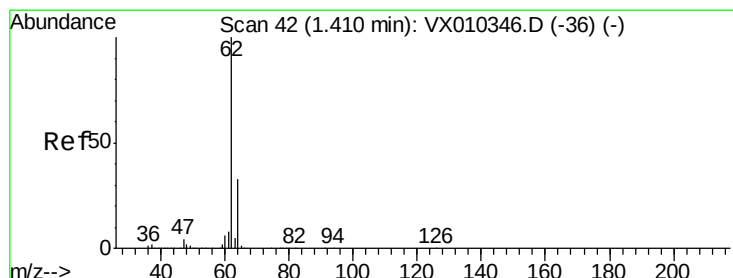
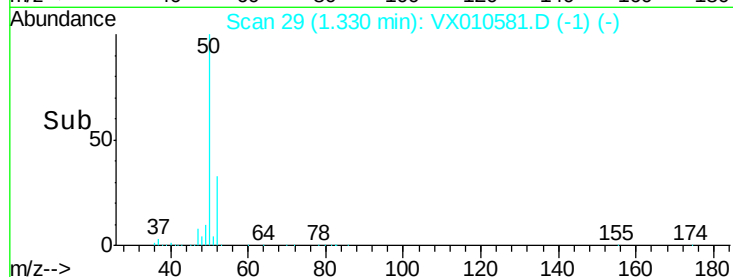
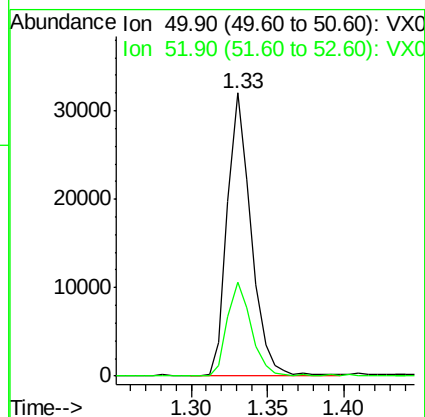
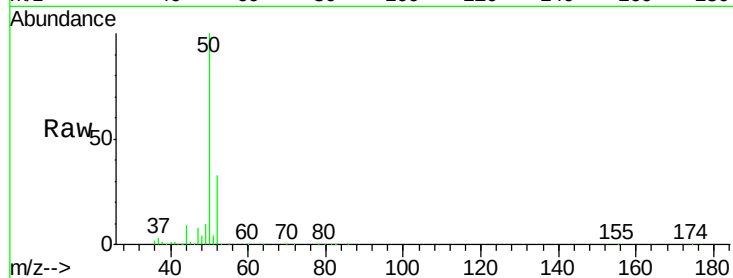
52 33.1 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.140 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010581.D

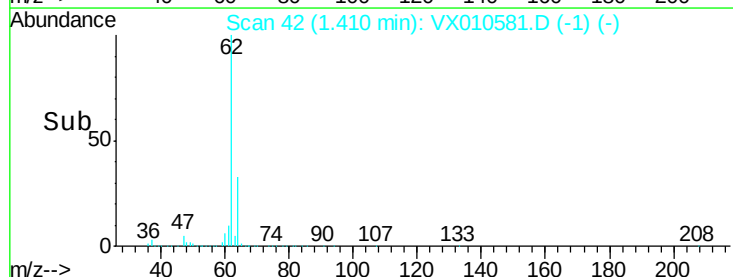
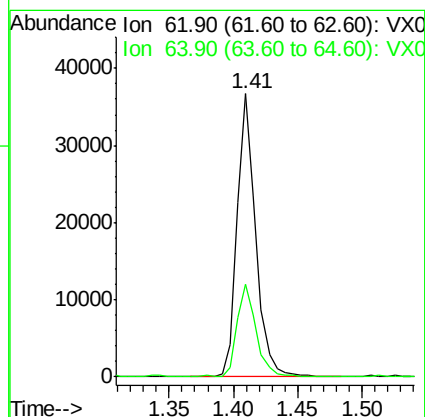
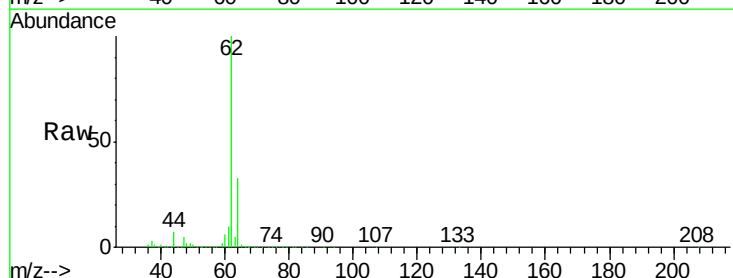
Acq: 01 Jul 2019 11:27

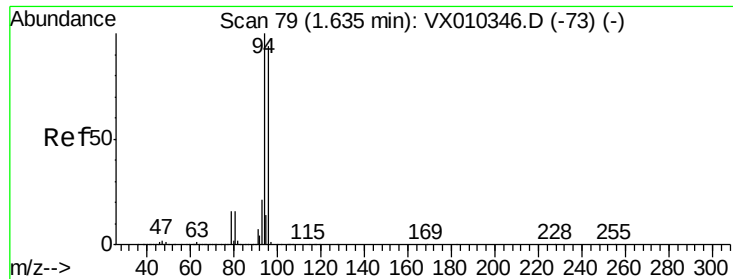
Tgt Ion: 62 Resp: 37322

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.4





#5

Bromomethane

Concen: 23.107 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion: 94 Resp: 24512

Ion Ratio Lower Upper

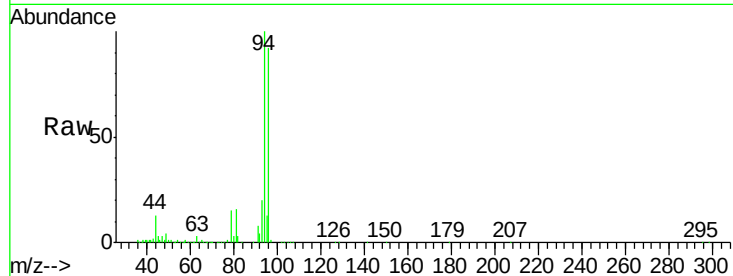
94 100

96 92.2 75.5 113.3

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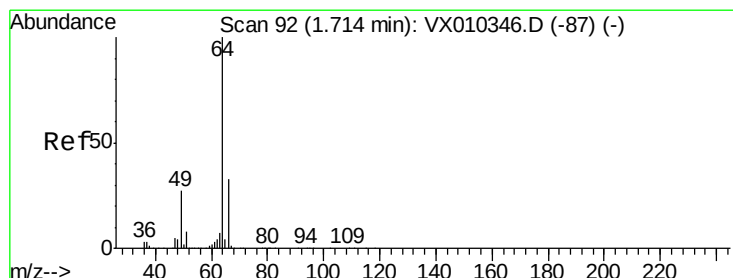
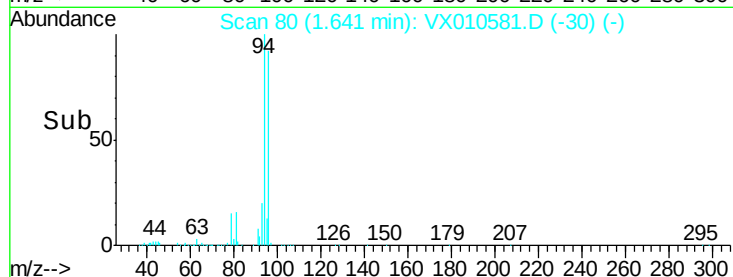
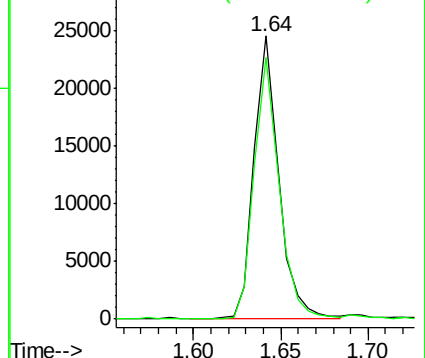
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.270 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010581.D

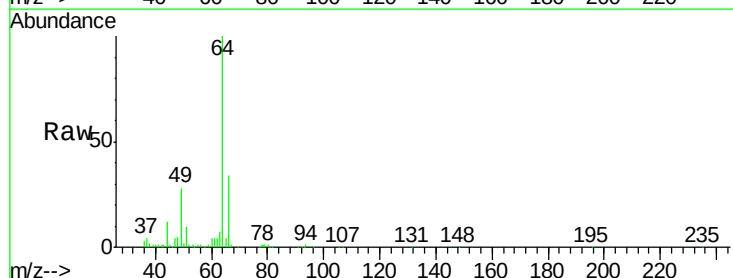
Acq: 01 Jul 2019 11:27

Tgt Ion: 64 Resp: 24755

Ion Ratio Lower Upper

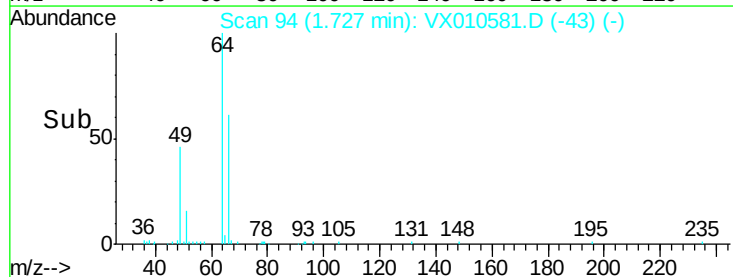
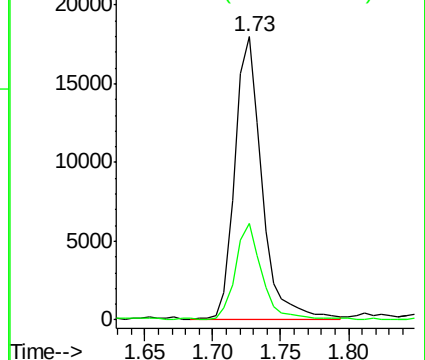
64 100

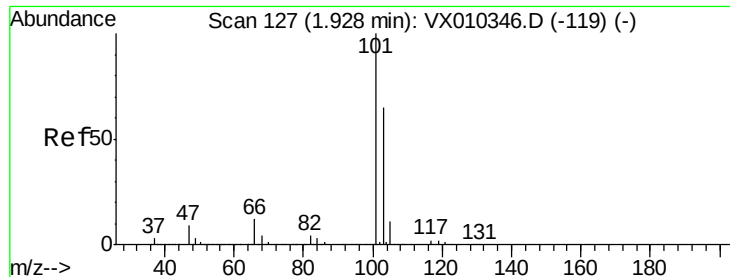
66 33.8 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

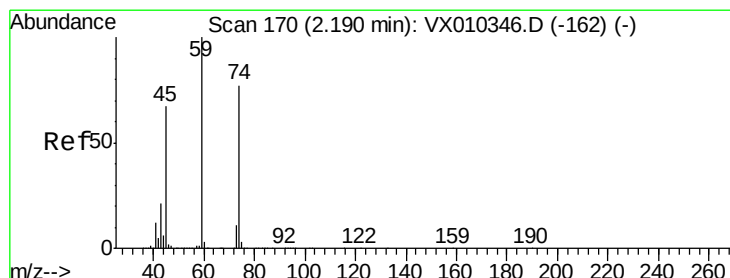
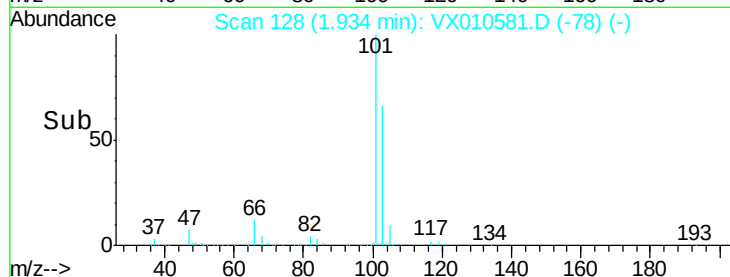
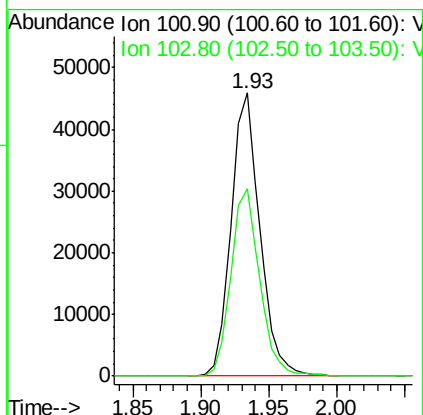
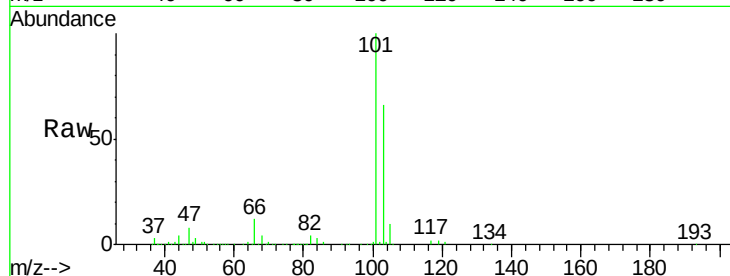
Trichlorofluoromethane
Concen: 19.556 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VX0701WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.3	78.5

Manual Integrations
APPROVED

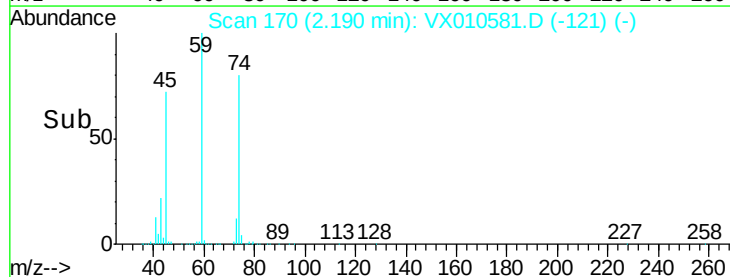
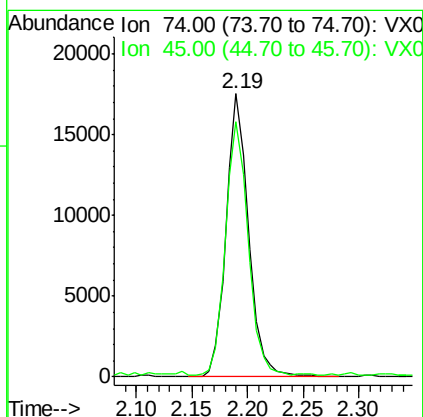
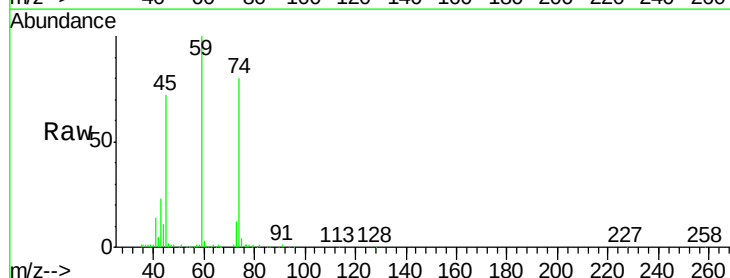
MMDadoda
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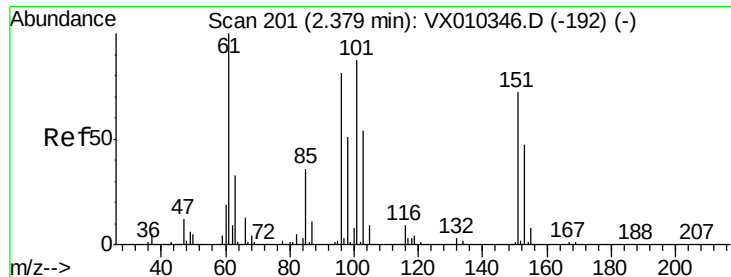


#8

Diethyl Ether
Concen: 19.770 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.8	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.845 ug/l

RT: 2.38 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

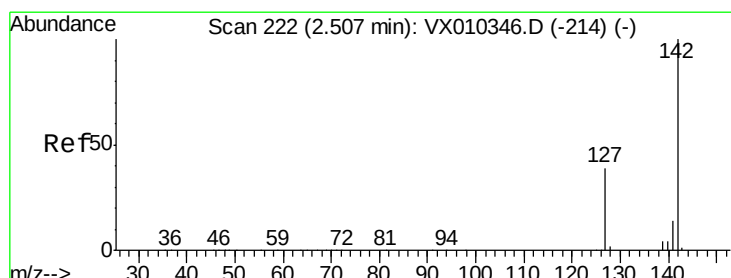
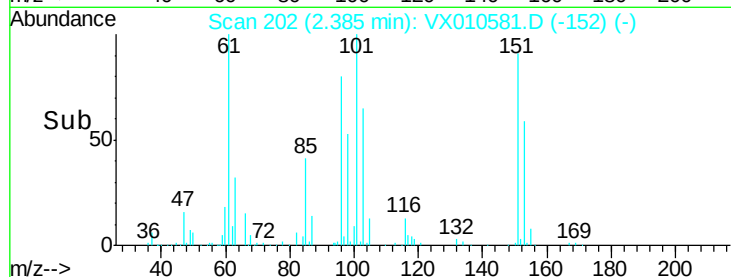
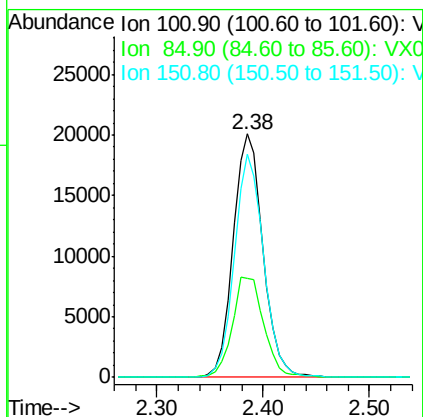
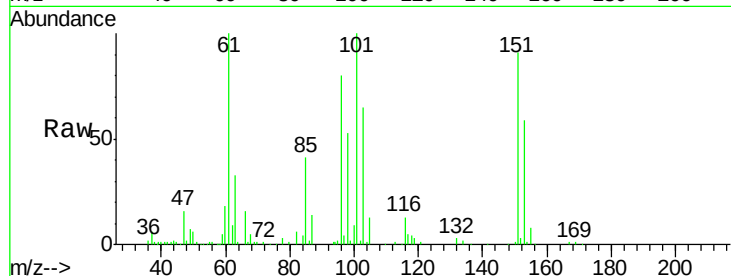
ClientSampleId :

VX0701WBS01

Tot Ion:	101	Resp:	39421
Ion Ratio	Lower	Upper	
101	100		
85	43.8	33.7	50.5
151	89.9	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 17.950 ug/l

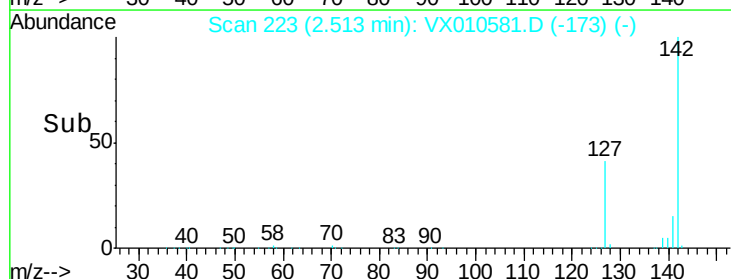
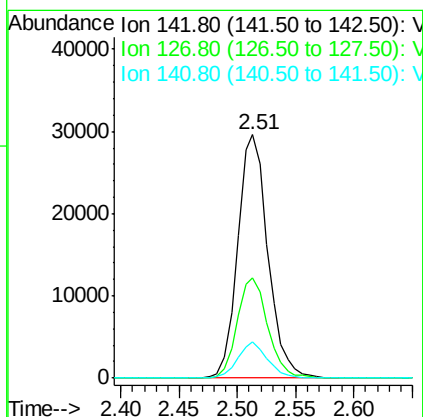
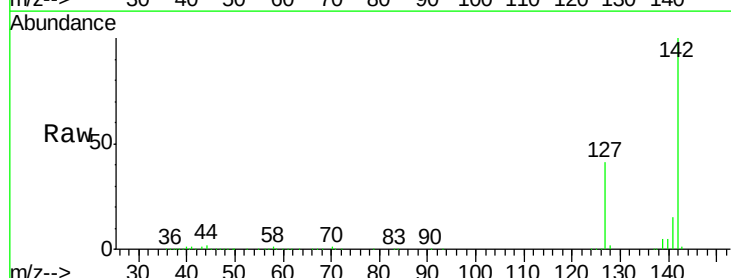
RT: 2.51 min Scan# 223

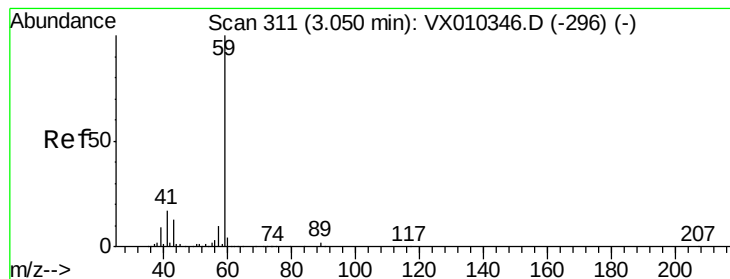
Delta R.T. 0.01 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Tgt Ion:	142	Resp:	53585
Ion Ratio	Lower	Upper	
142	100		
127	41.8	31.1	46.7
141	14.5	11.2	16.8





#11

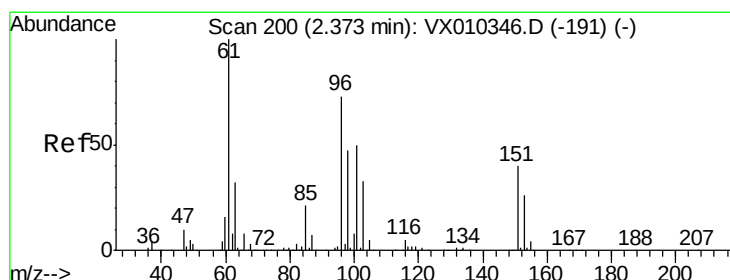
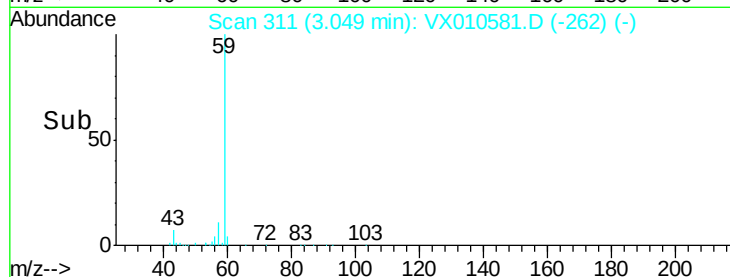
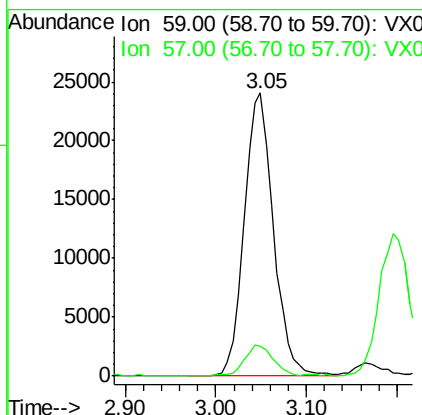
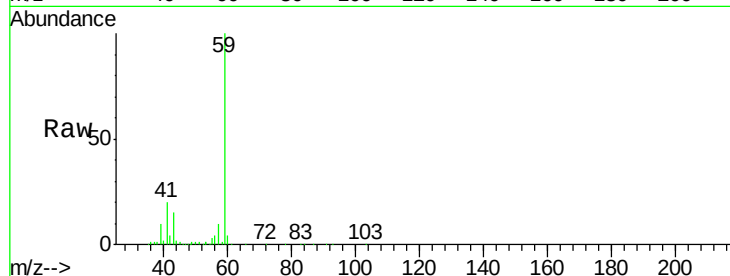
Tert butyl alcohol
Concen: 88.778 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VX0701WBS01

Tot Ion: 59 Resp: 53487
Ion Ratio Lower Upper
59 100
57 11.1 7.7 11.5

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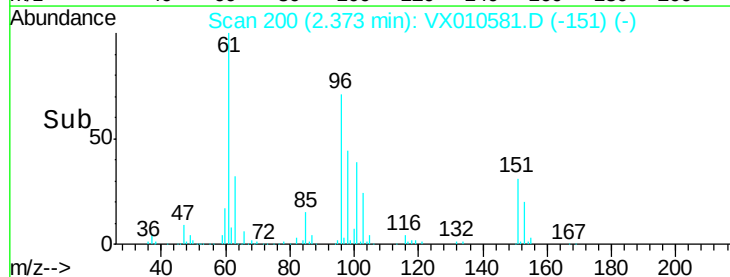
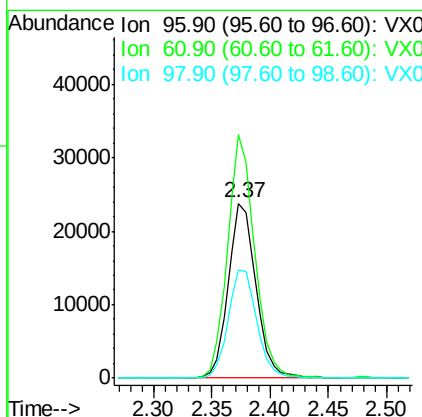
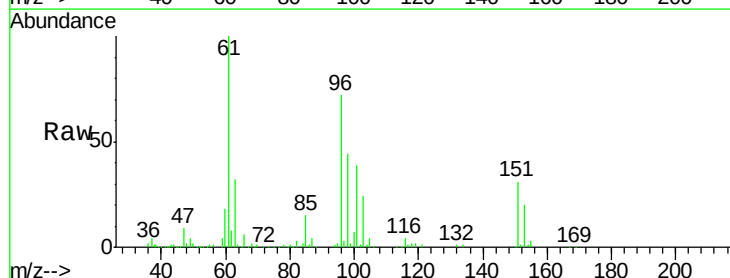
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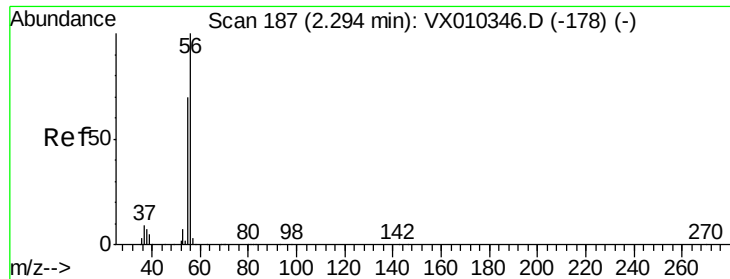


#12

1,1-Dichloroethene
Concen: 18.501 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion: 96 Resp: 39380
Ion Ratio Lower Upper
96 100
61 139.4 109.2 163.8
98 61.8 51.1 76.7





#13

Acrolein

Concen: 99.100 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion: 56 Resp: 39607

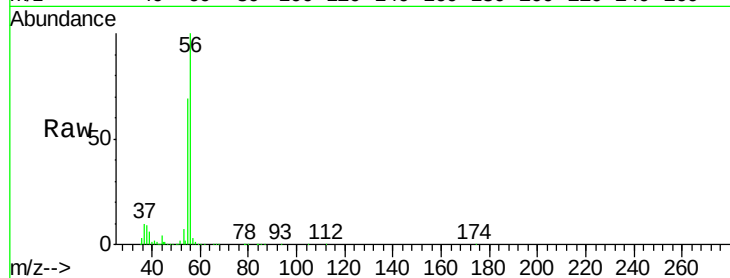
Ion Ratio Lower Upper

56 100

55 70.0 56.9 85.3

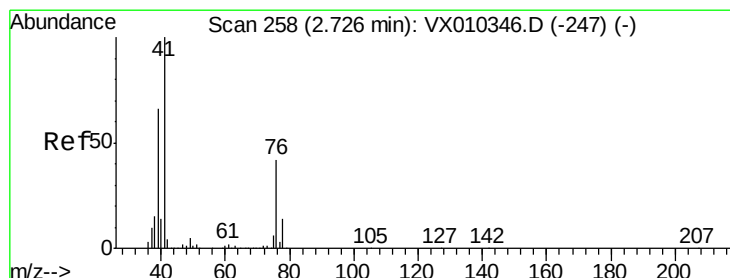
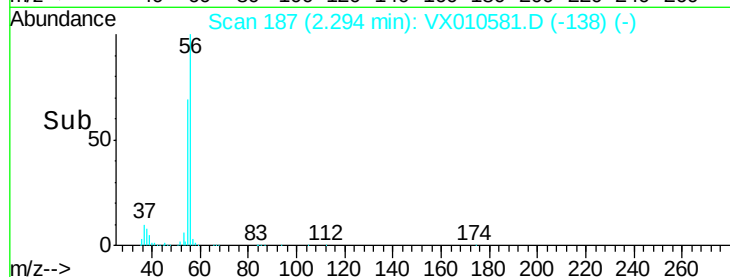
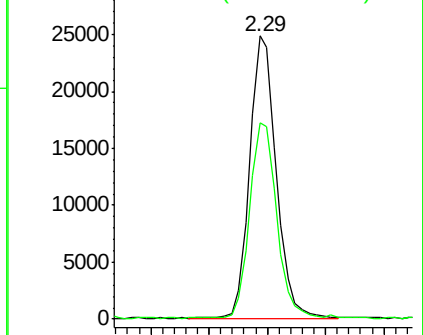
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.595 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

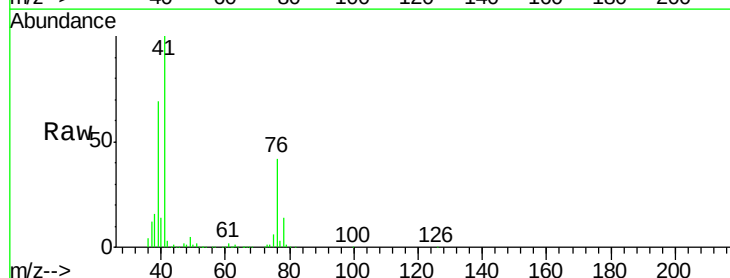
Tgt Ion: 41 Resp: 56194

Ion Ratio Lower Upper

41 100

39 65.4 50.3 75.5

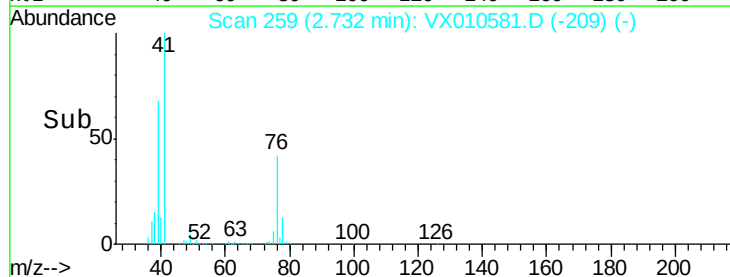
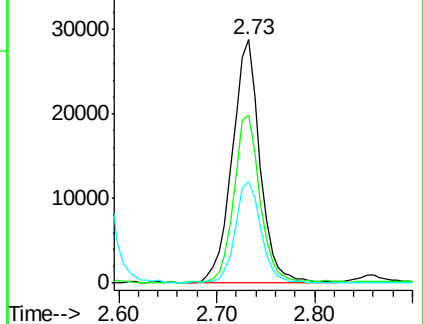
76 38.8 31.3 46.9

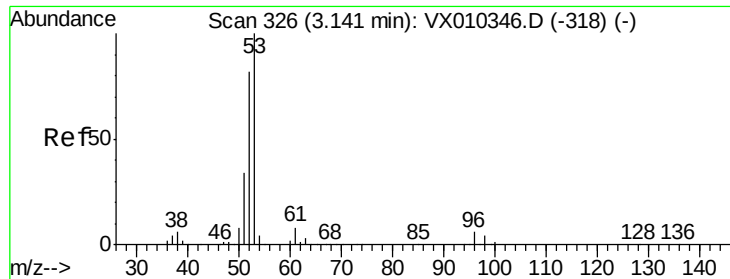


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 99.646 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

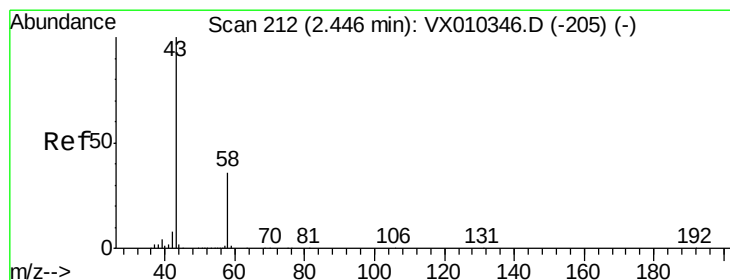
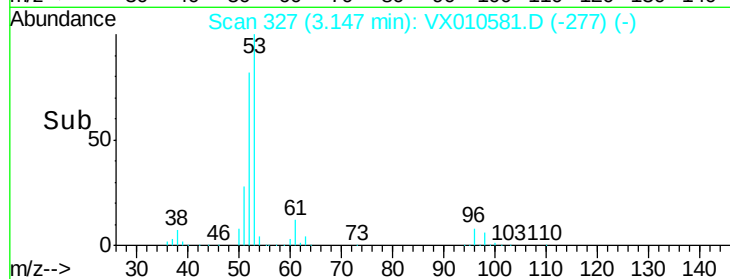
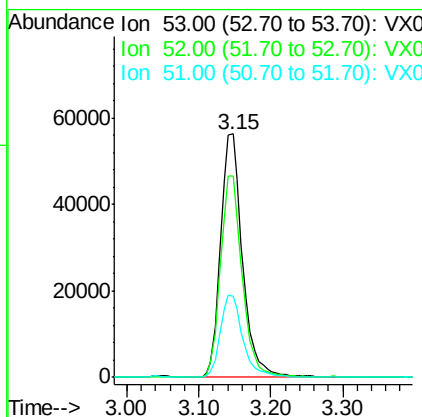
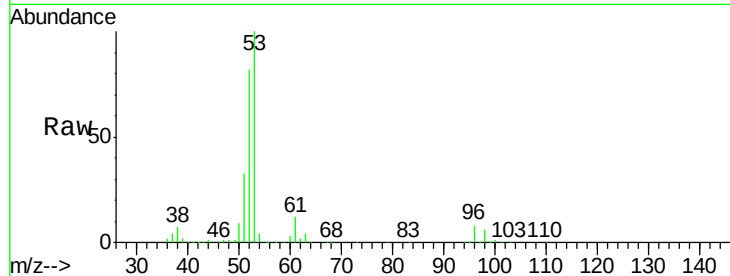
ClientSampleId :

VX0701WBS01

Tot Ion:	53	Resp:	118861
Ion Ratio		Lower	Upper
53	100		
52	82.4	65.5	98.3
51	34.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 93.016 ug/l

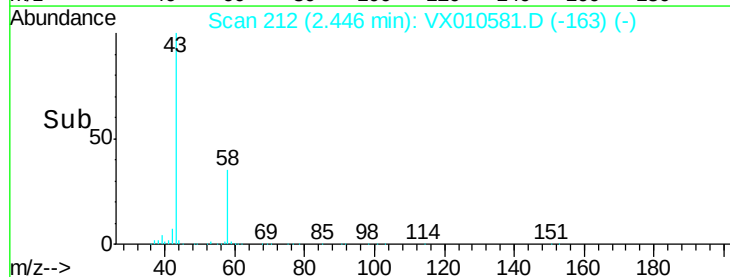
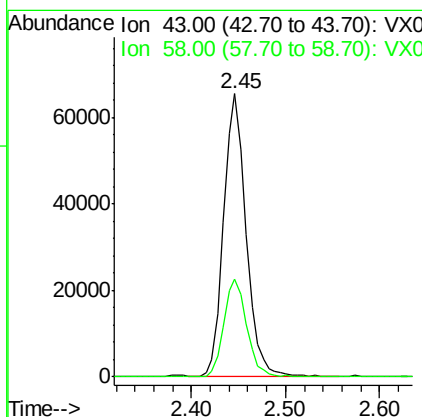
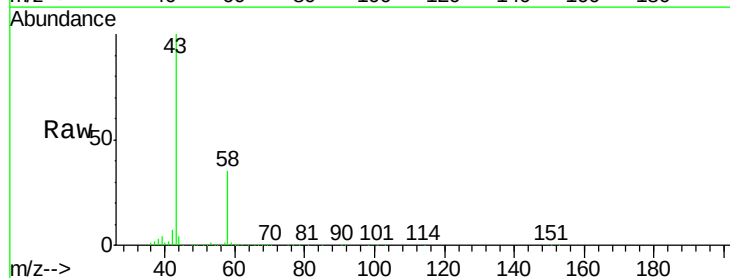
RT: 2.45 min Scan# 212

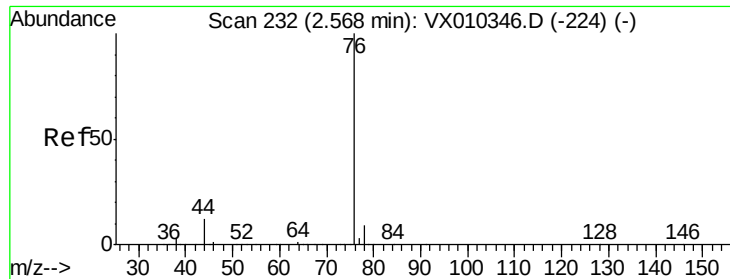
Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Tgt Ion:	43	Resp:	107333
Ion Ratio		Lower	Upper
43	100		
58	34.5	28.9	43.3





#17

Carbon Disulfide

Concen: 15.171 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion: 76 Resp: 86636

Ion Ratio Lower Upper

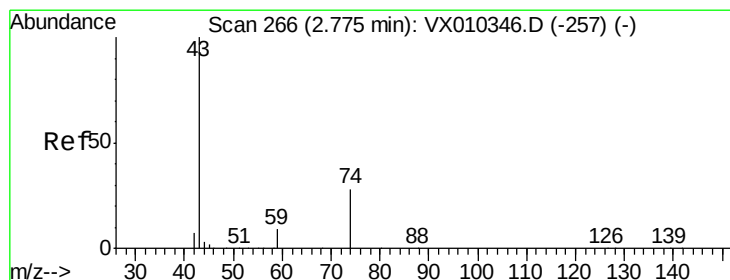
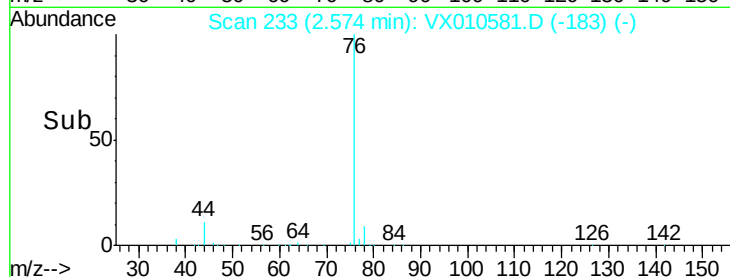
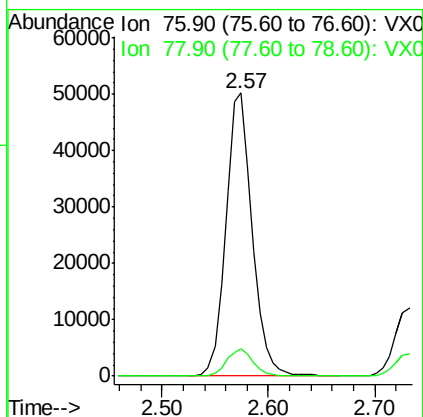
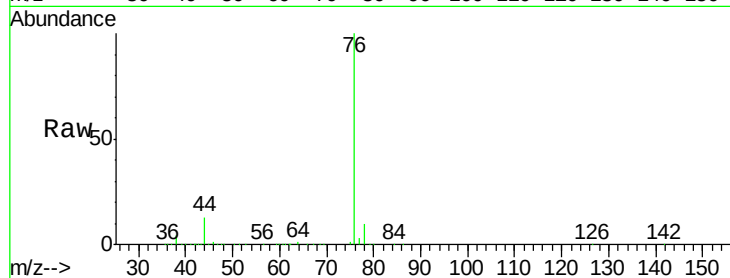
76 100

78 9.5 7.3 10.9

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#18

Methyl Acetate

Concen: 21.002 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010581.D

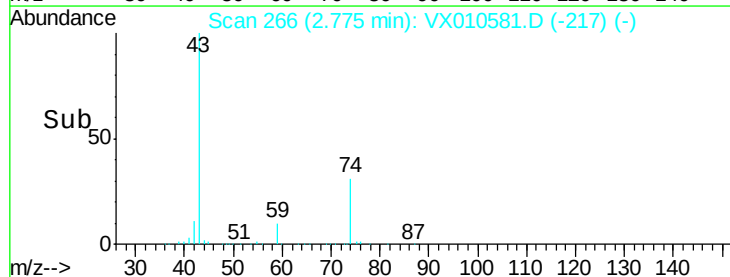
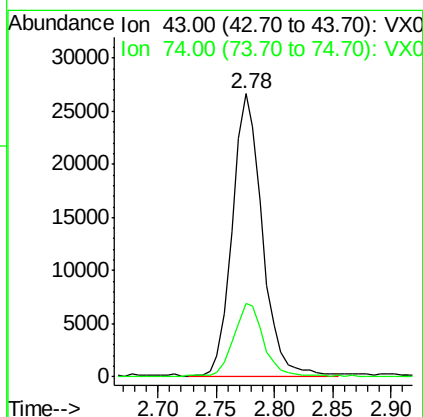
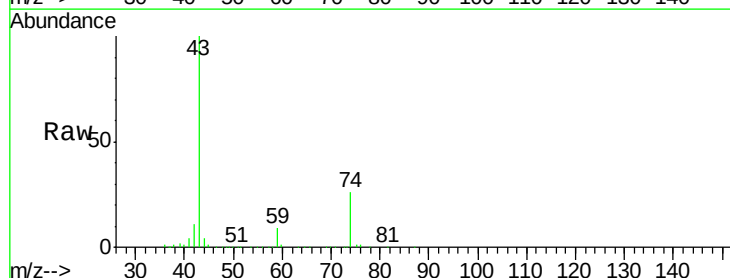
Acq: 01 Jul 2019 11:27

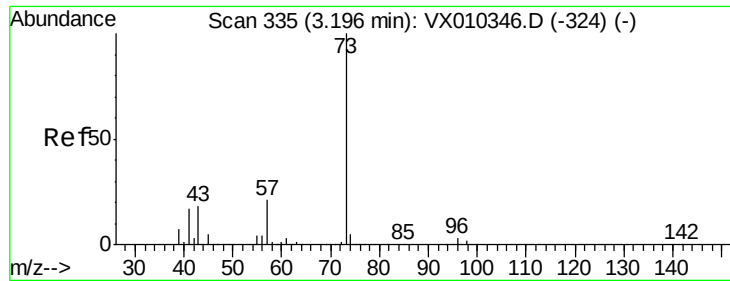
Tgt Ion: 43 Resp: 48300

Ion Ratio Lower Upper

43 100

74 26.7 21.3 31.9





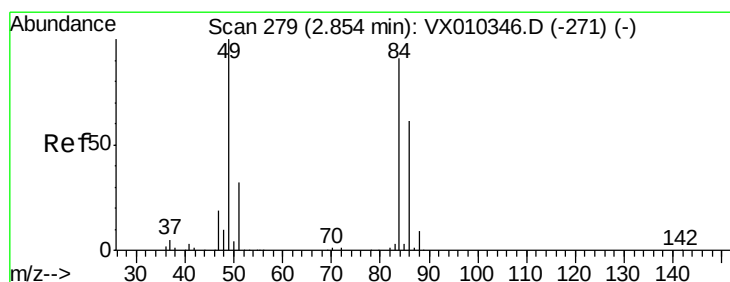
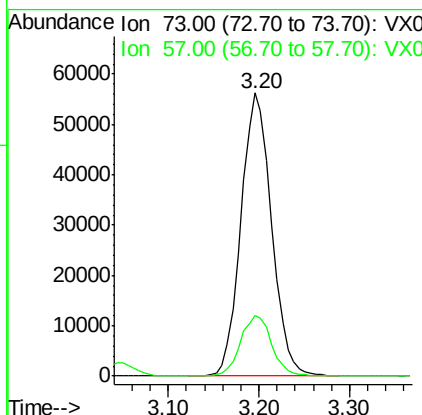
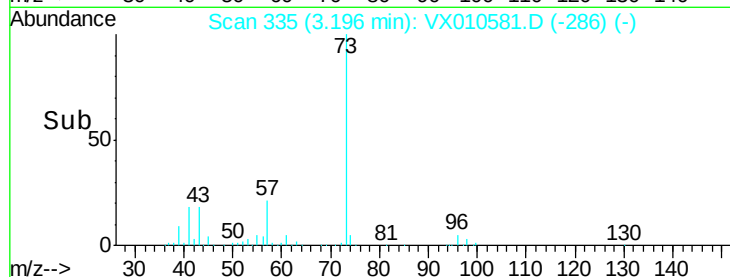
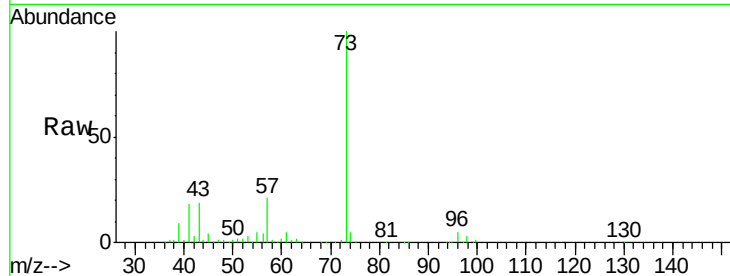
#19
Methyl tert-butyl Ether
Concen: 19.620 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

Tot Ion: 73 Resp: 131376
Ion Ratio Lower Upper
73 100
57 21.4 16.4 24.6

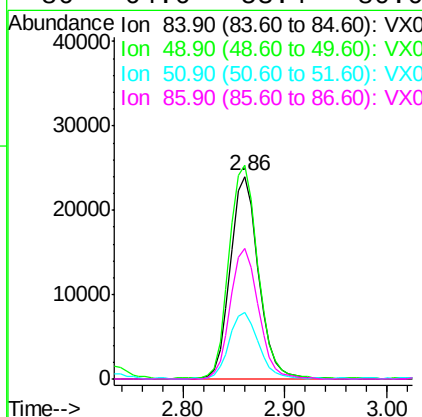
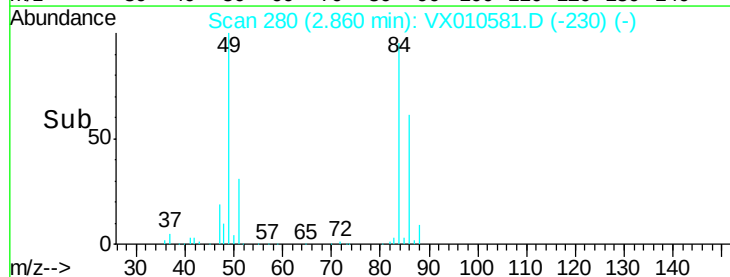
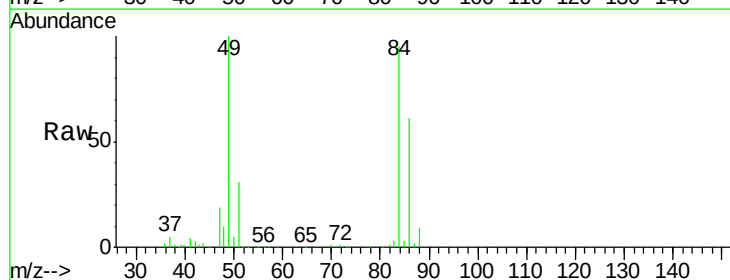
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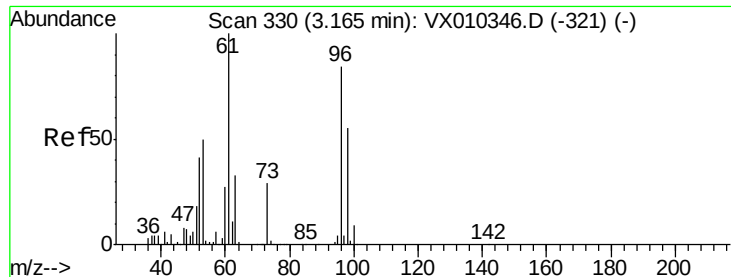
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#20
Methylene Chloride
Concen: 19.348 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion: 84 Resp: 45945
Ion Ratio Lower Upper
84 100
49 105.0 87.5 131.3
51 32.8 27.7 41.5
86 64.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 18.487 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

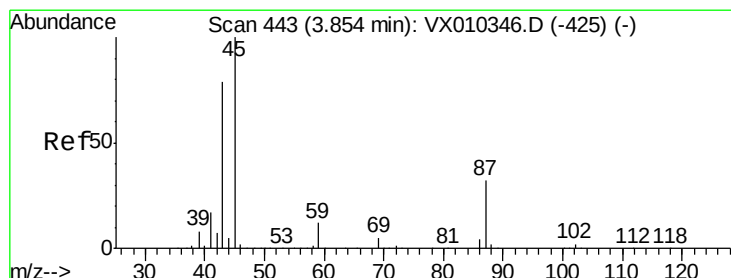
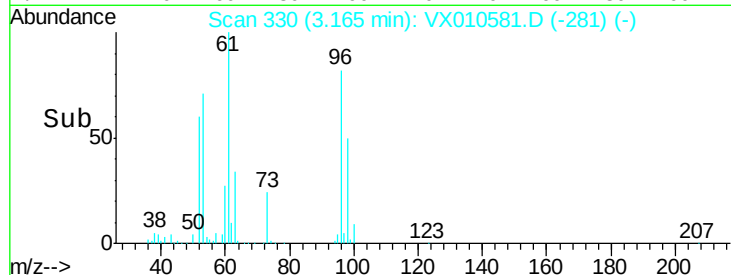
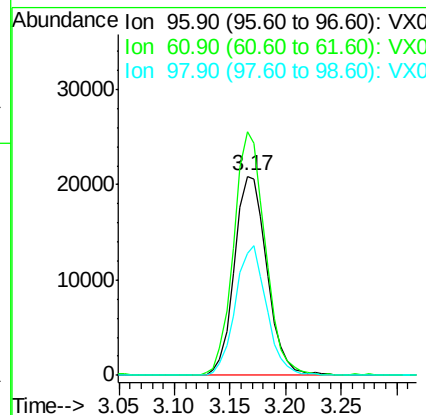
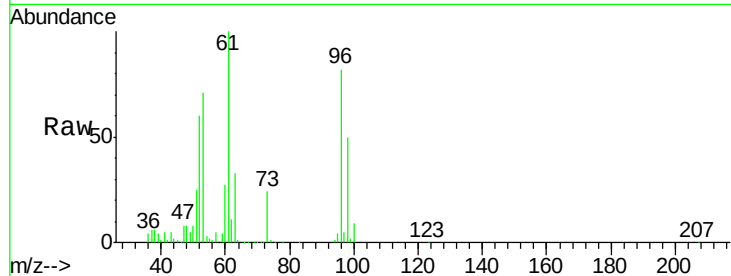
ClientSampleId :

VX0701WBS01

Tot Ion:	96	Resp:	42322
Ion	Ratio	Lower	Upper
96	100		
61	122.3	95.6	143.4
98	61.0	52.5	78.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.871 ug/l

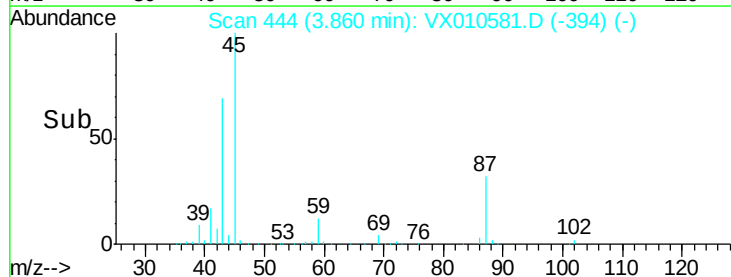
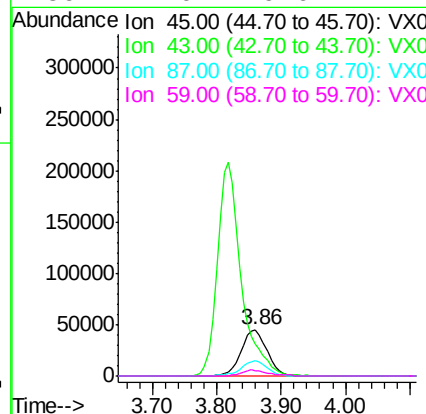
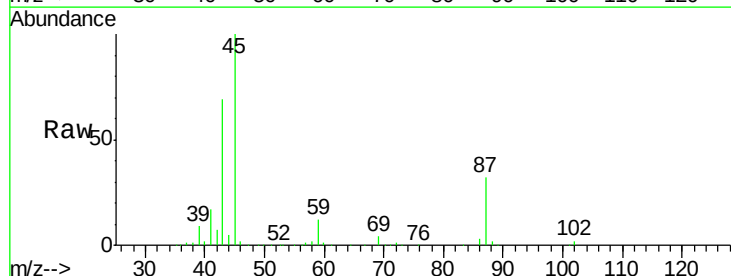
RT: 3.86 min Scan# 444

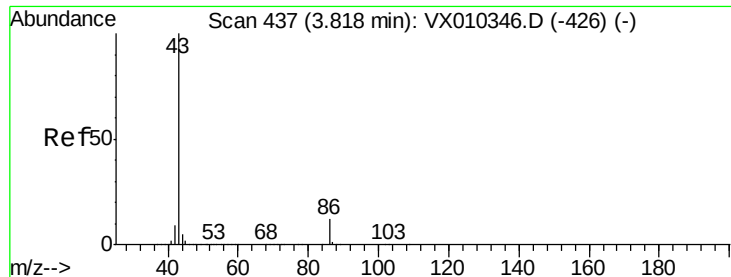
Delta R.T. 0.01 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Tgt Ion:	45	Resp:	125550
Ion	Ratio	Lower	Upper
45	100		
43	68.8	63.3	94.9
87	31.6	25.8	38.8
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 98.960 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion: 43 Resp: 540143

Ion Ratio Lower Upper

43 100

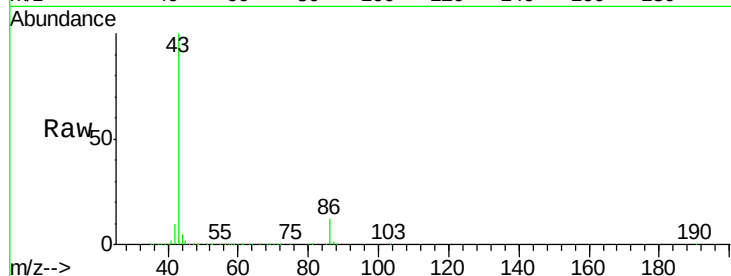
86 11.9 9.9 14.9

Manual Integrations

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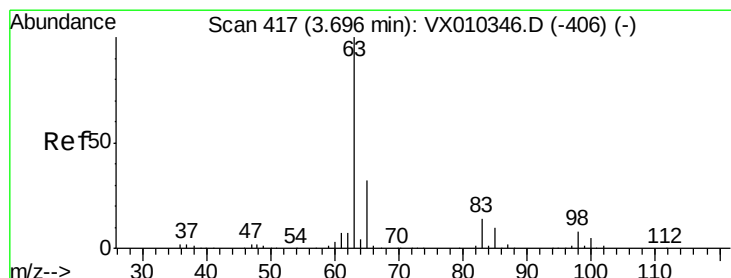
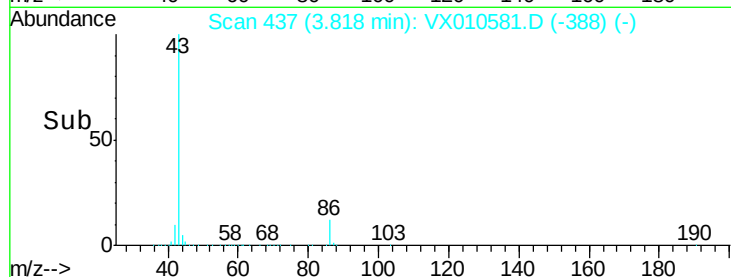
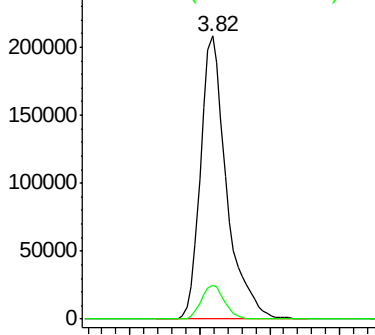
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.335 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

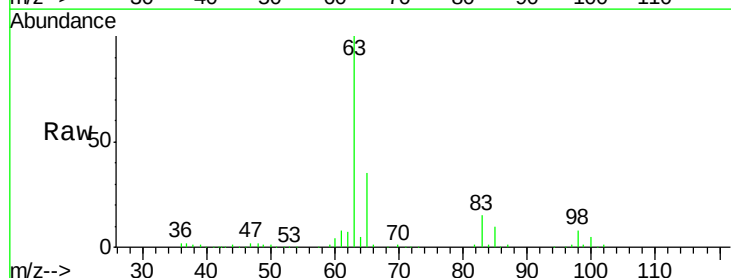
Tgt Ion: 63 Resp: 70613

Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

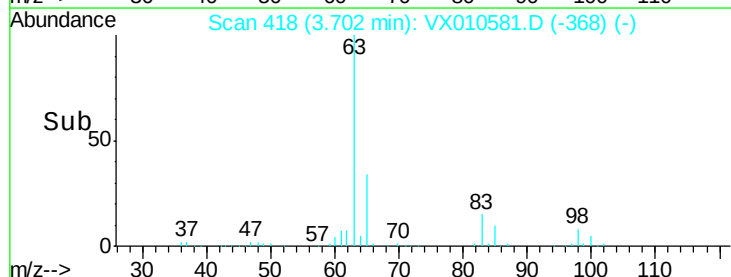
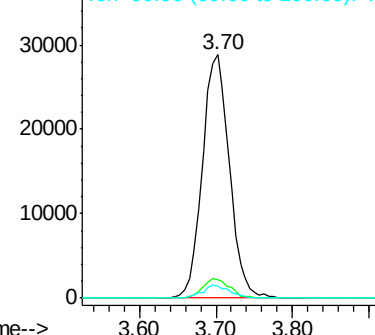
100 5.0 2.4 7.1

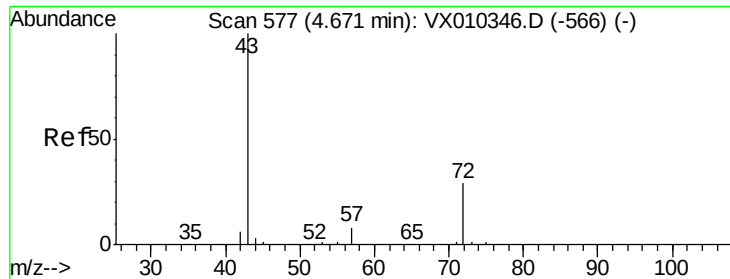


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 98.115 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion: 43 Resp: 166075

Ion Ratio Lower Upper

43 100

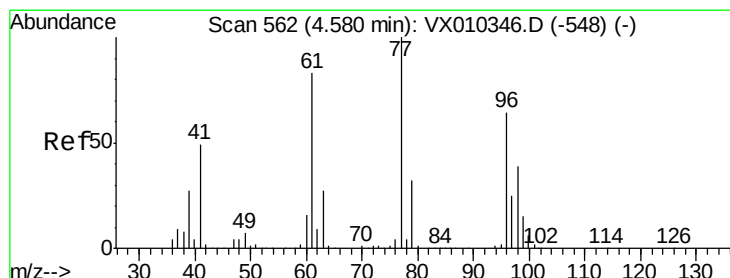
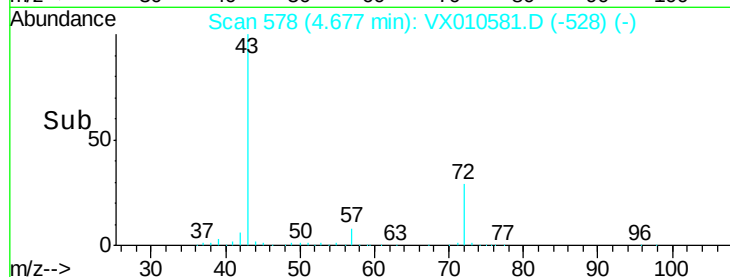
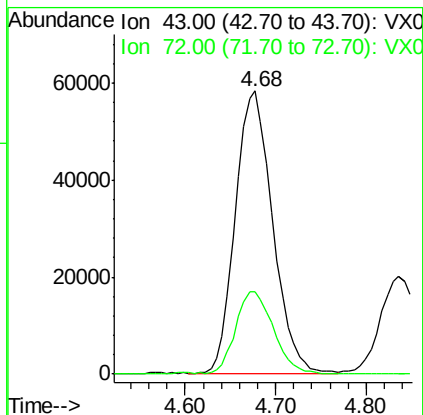
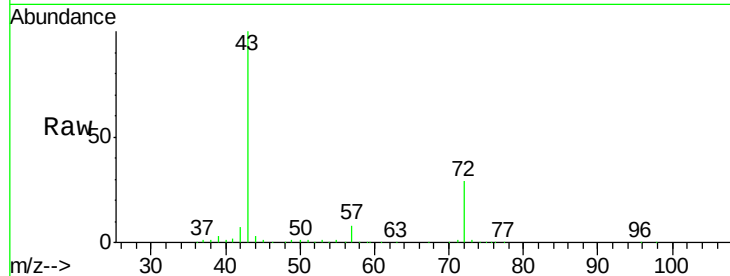
72 29.1 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.543 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010581.D

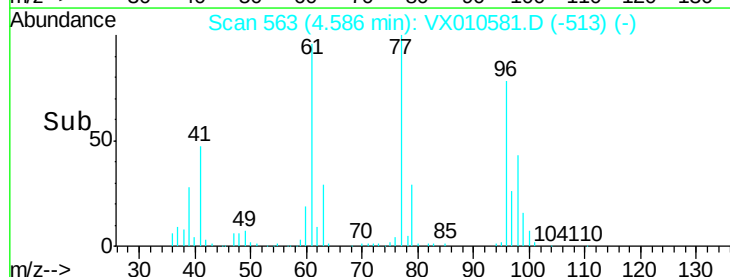
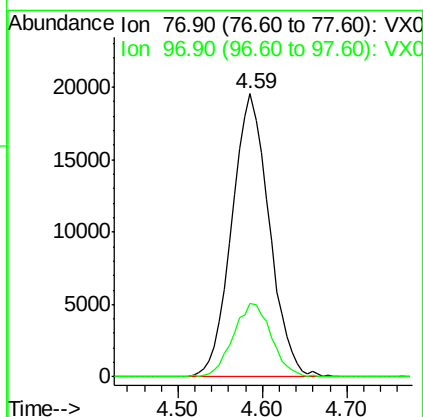
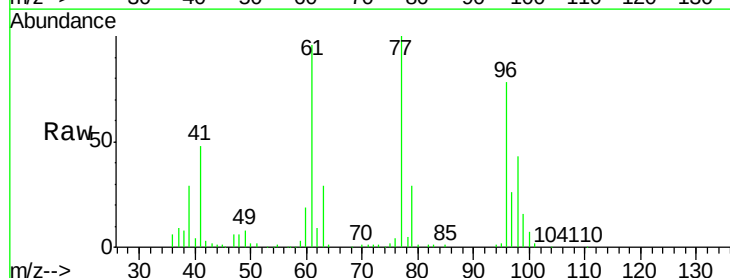
Acq: 01 Jul 2019 11:27

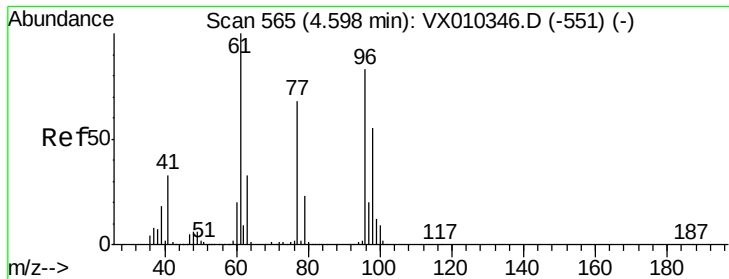
Tgt Ion: 77 Resp: 58830

Ion Ratio Lower Upper

77 100

97 26.5 13.1 39.3





#27

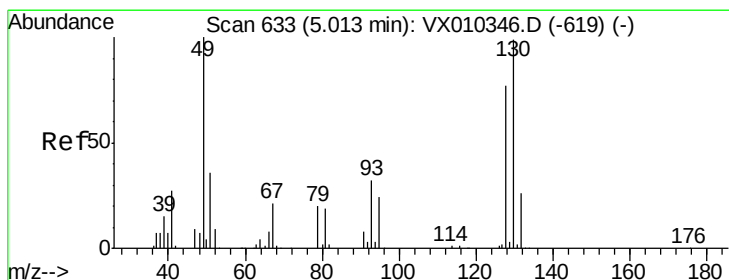
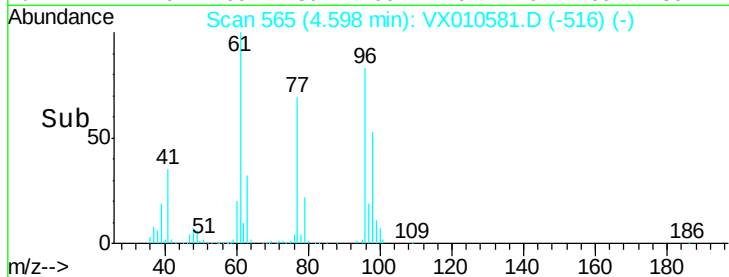
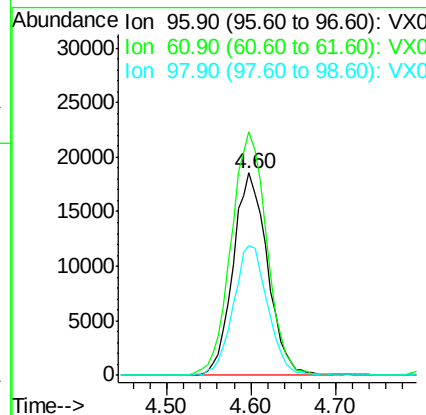
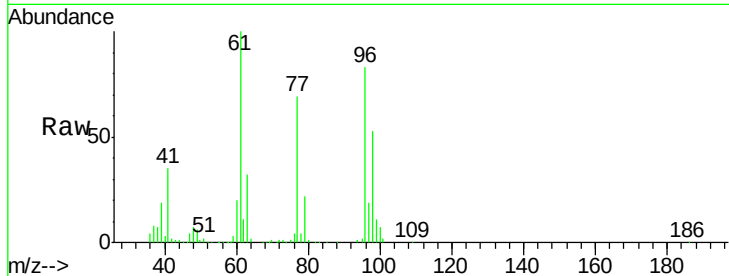
cis-1,2-Dichloroethene
 Concen: 19.372 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	251.8
98	64.2	0.0	129.4

Manual Integrations
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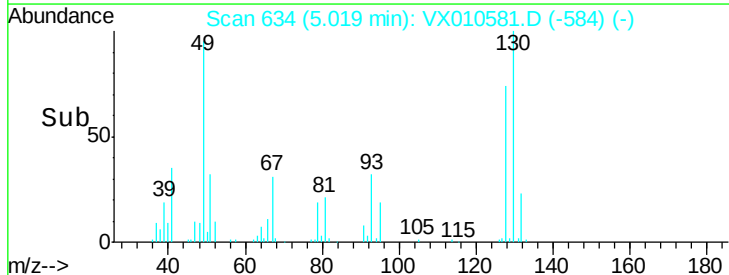
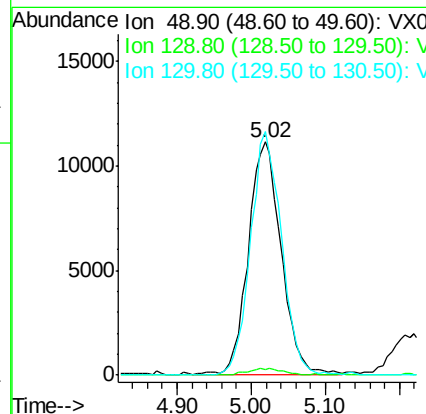
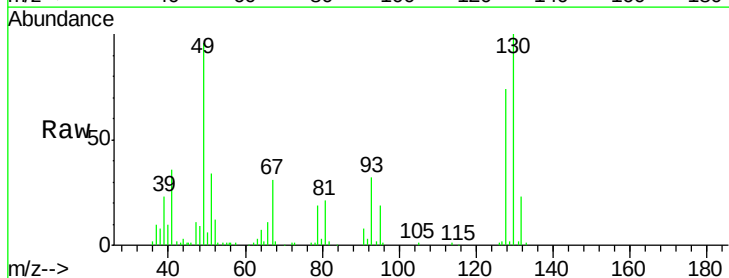
MMDadoda
 7/2/2019 9:55:06 AM

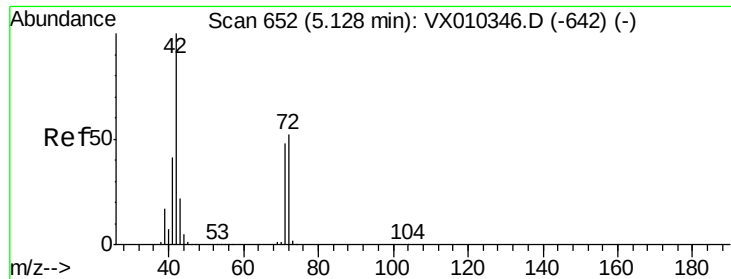


#28

Bromochloromethane
 Concen: 19.812 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	98.1	81.4	122.0





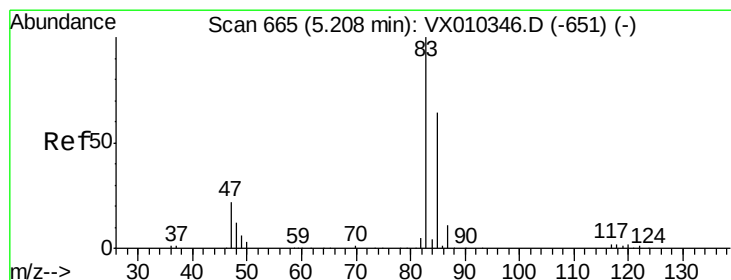
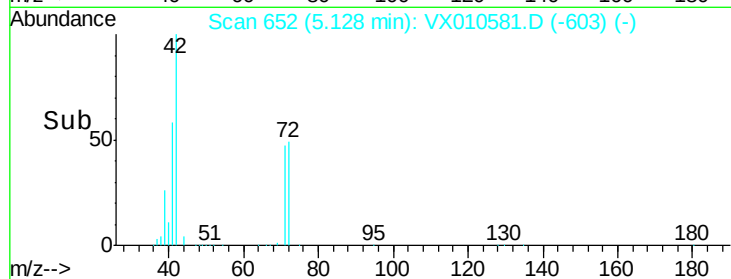
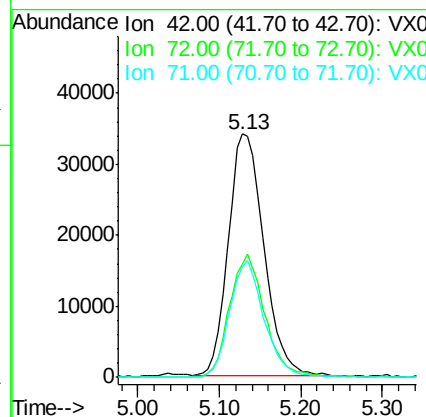
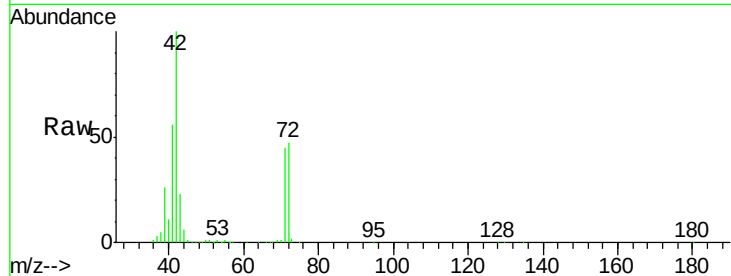
#29
Tetrahydrofuran
Concen: 98.634 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VX0701WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	40.6	60.8
71	46.7	37.8	56.8

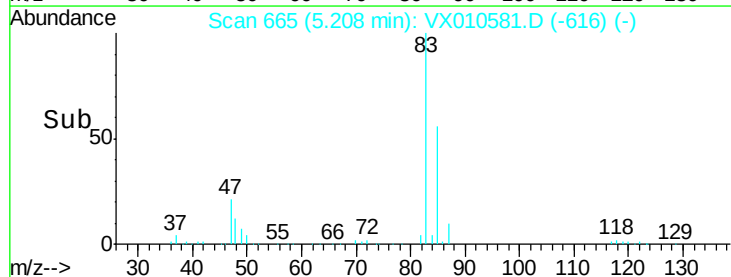
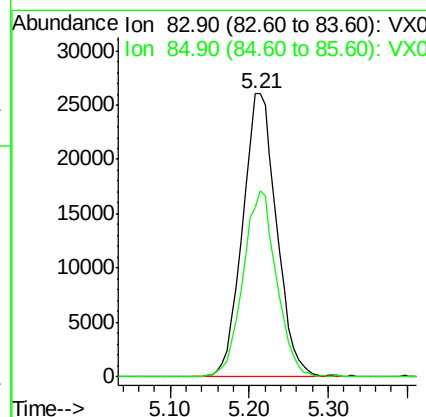
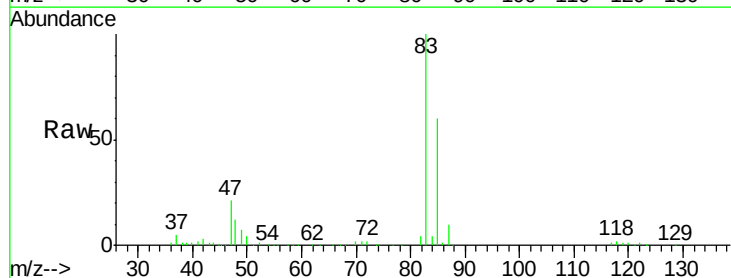
Manual Integrations
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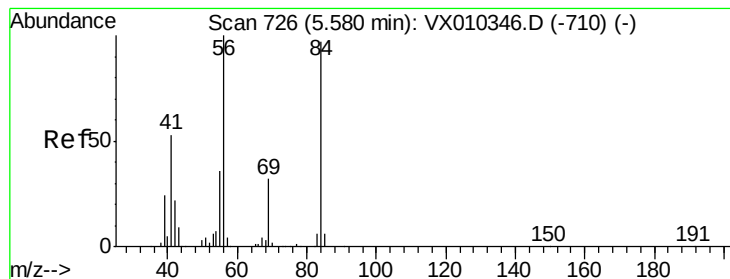
MMDadoda
7/2/2019 9:55:06 AM



#30
Chloroform
Concen: 19.868 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	50.9	76.3





#31

Cyclohexane

Concen: 18.326 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

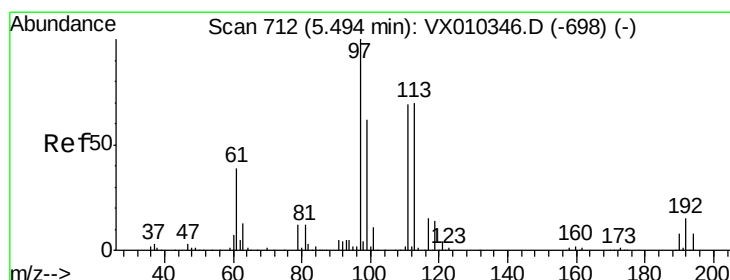
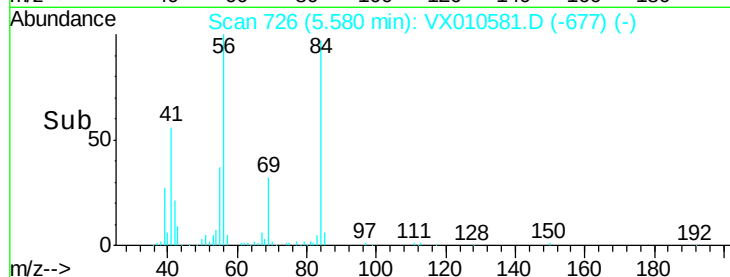
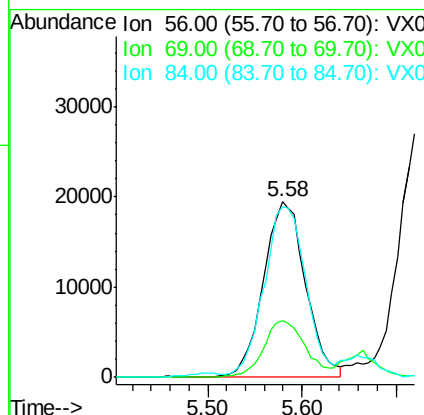
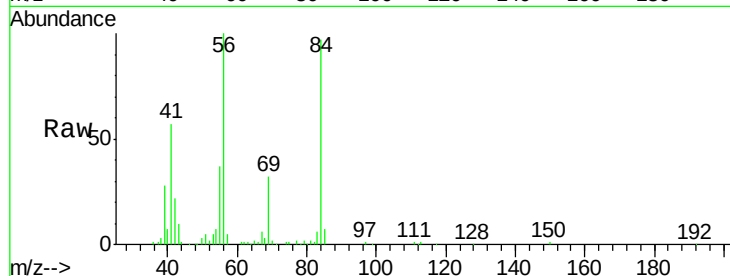
ClientSampleId :

VX0701WBS01

Tot Ion:	56	Resp:	60947
Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.9	38.9
84	95.5	78.0	117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.110 ug/l

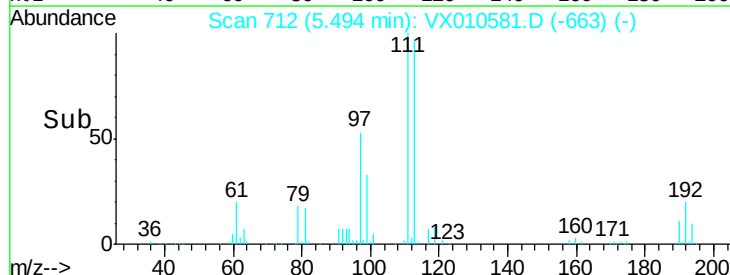
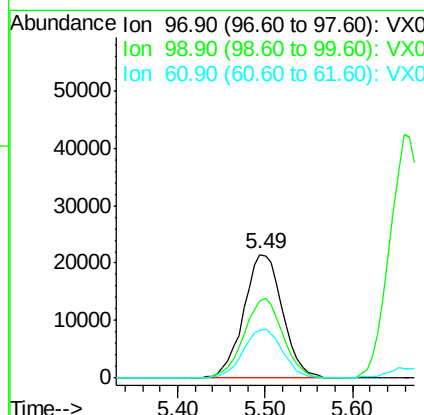
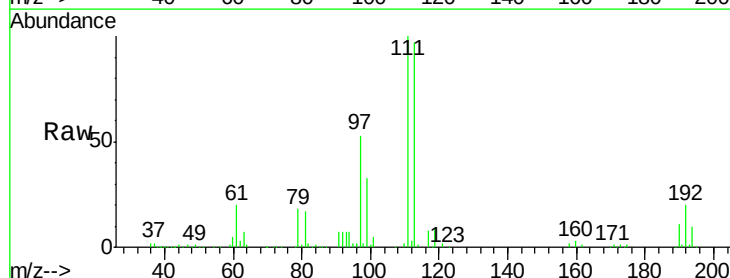
RT: 5.49 min Scan# 712

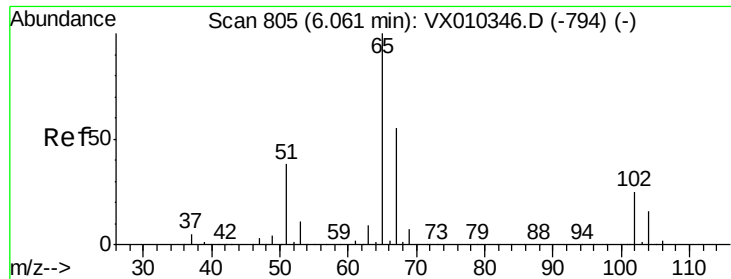
Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Tgt Ion:	97	Resp:	66307
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	40.1	32.1	48.1





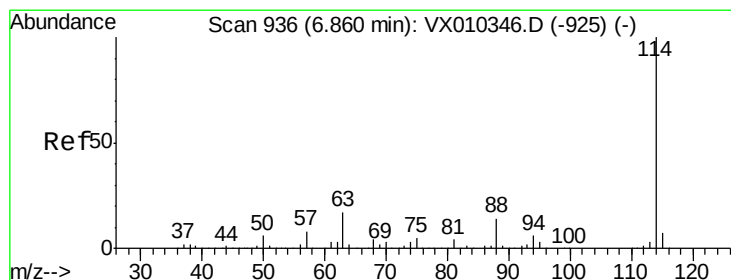
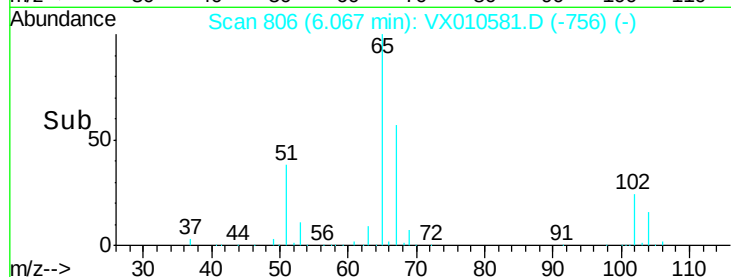
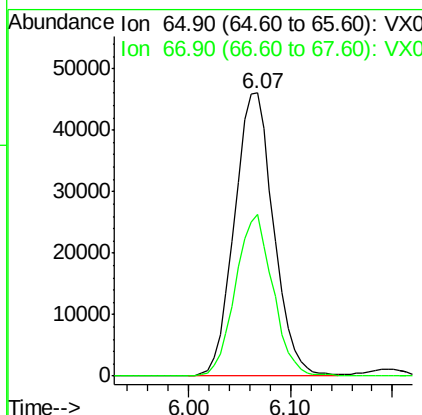
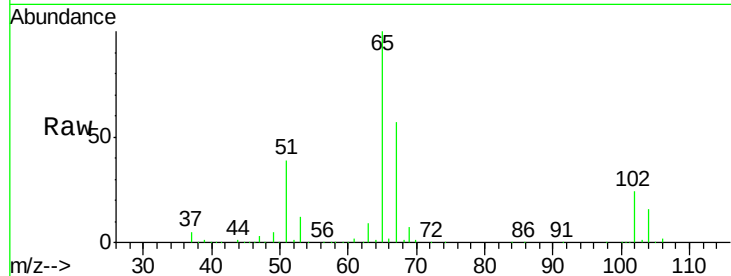
#33
 1,2-Dichloroethane-d4
 Concen: 53.317 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0701WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	110.2

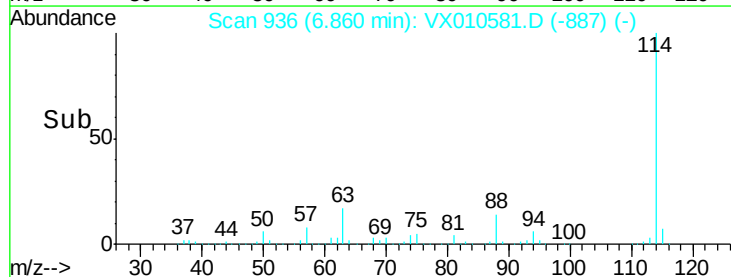
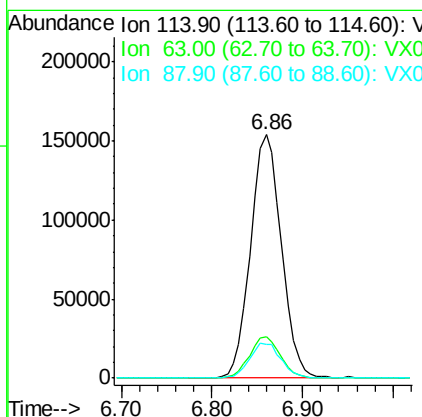
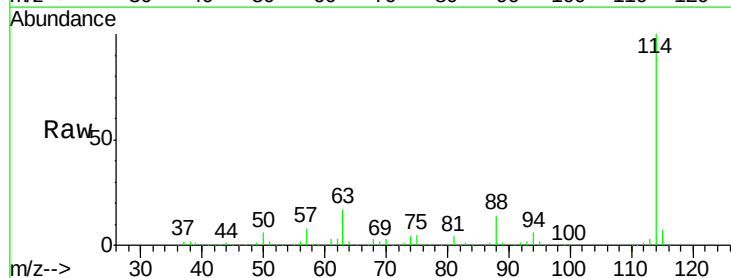
Manual Integrations
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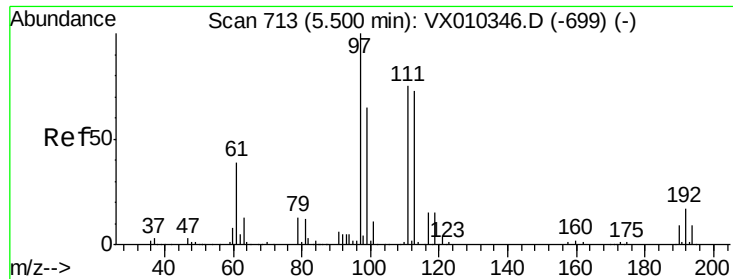
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	33.8
88	14.1	0.0	27.6





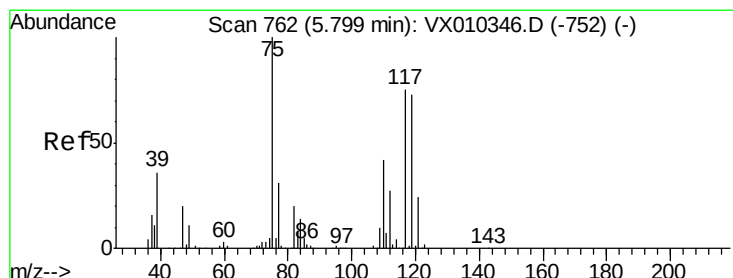
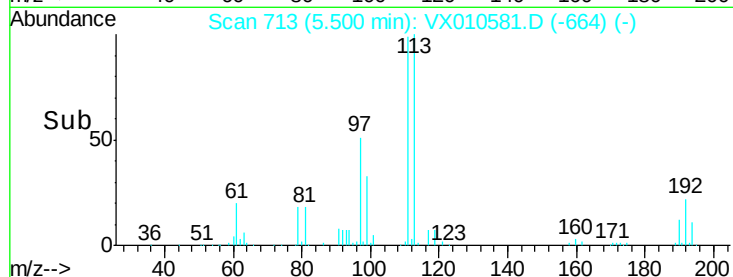
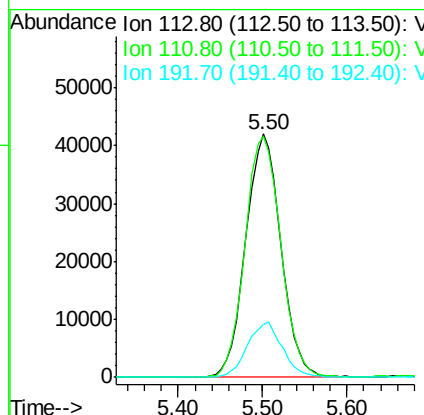
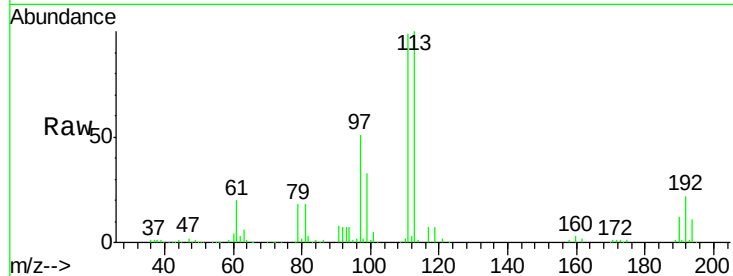
#35
 Dibromofluoromethane
 Concen: 53.621 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0701WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	118943		
111	100.9	81.2	121.8	
192	22.5	18.6	27.8	

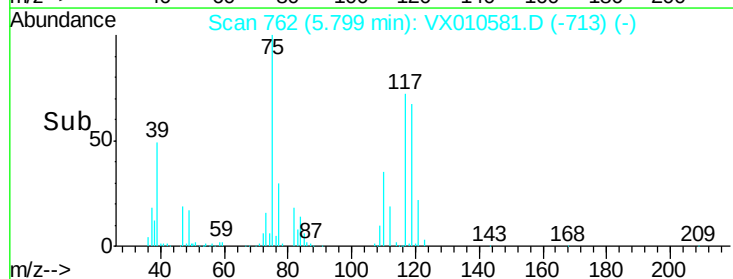
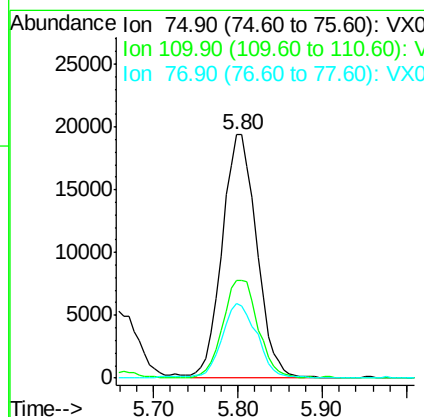
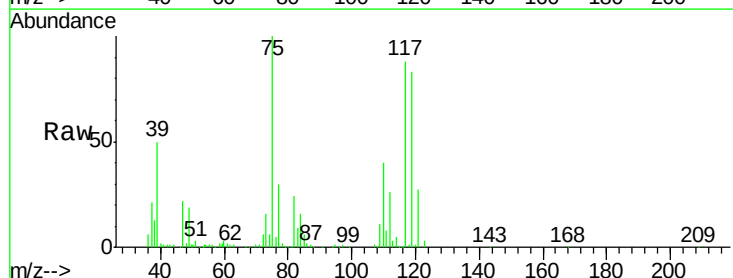
Manual Integrations
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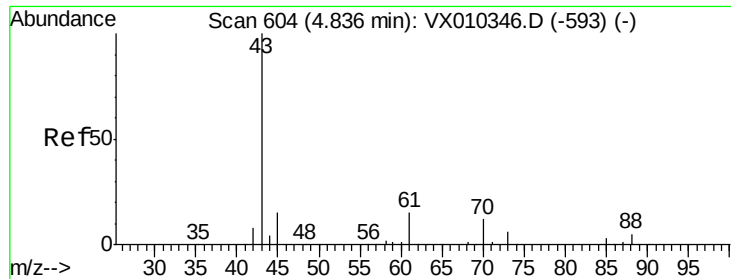
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#36
 1,1-Dichloropropene
 Concen: 18.877 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54385		
110	41.0	20.8	62.2	
77	30.9	25.4	38.0	





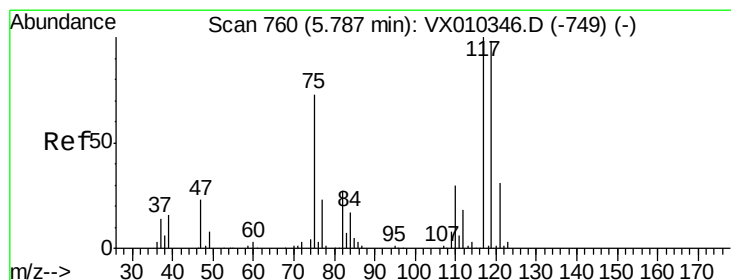
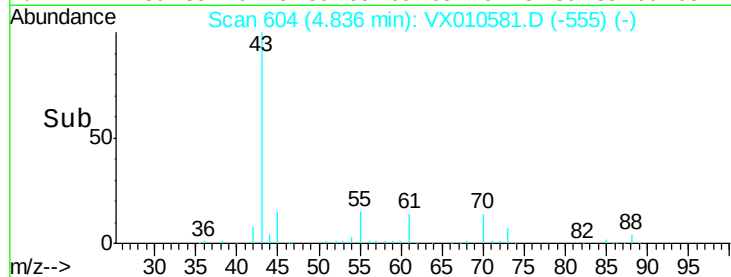
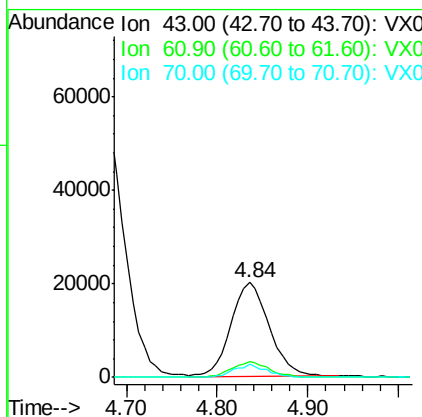
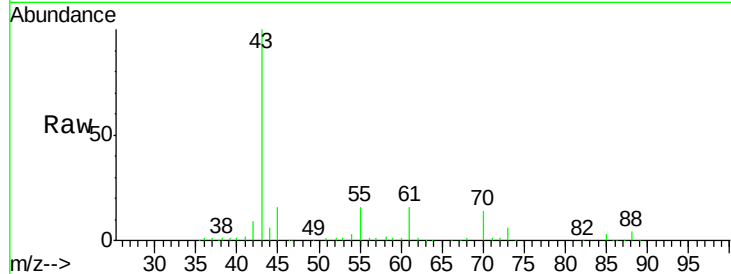
#37
Ethyl Acetate
Concen: 19.805 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

Tot Ion	43	61	70
Resp	58699		
Ratio	100	16.5	12.5
Lower		12.4	9.8
Upper		18.6	14.8

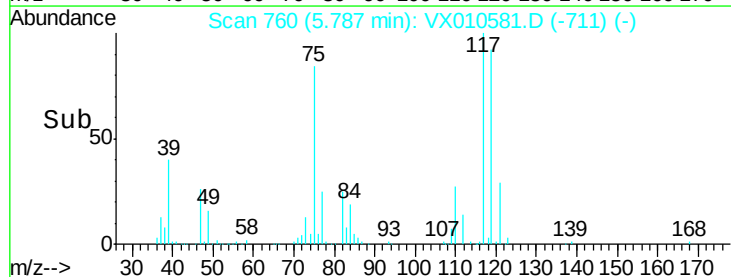
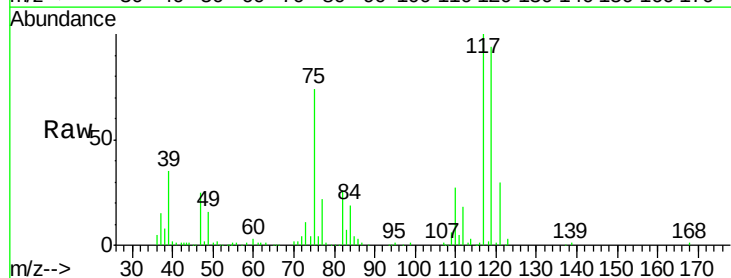
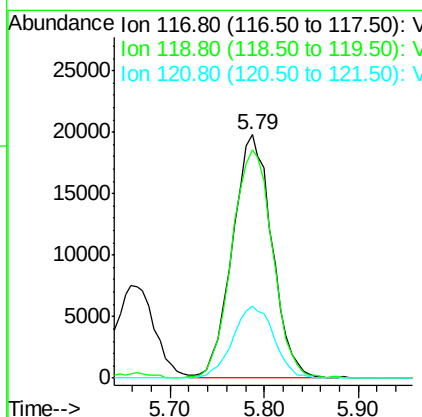
Manual Integrations
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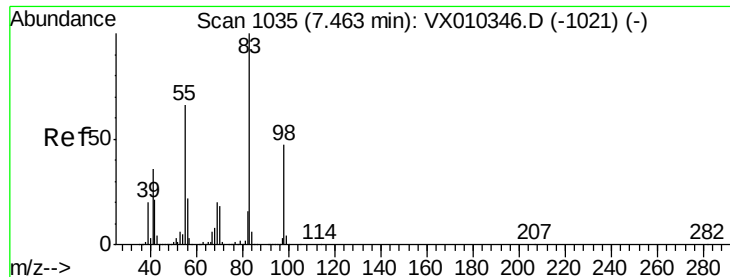
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7/2/2019 9:55:06 AM



#38
Carbon Tetrachloride
Concen: 18.368 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion	117	119	121
Resp	57305		
Ratio	100	93.8	29.9
Lower		78.2	24.7
Upper		117.4	37.1





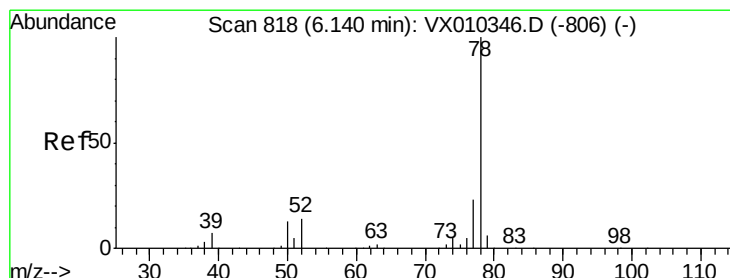
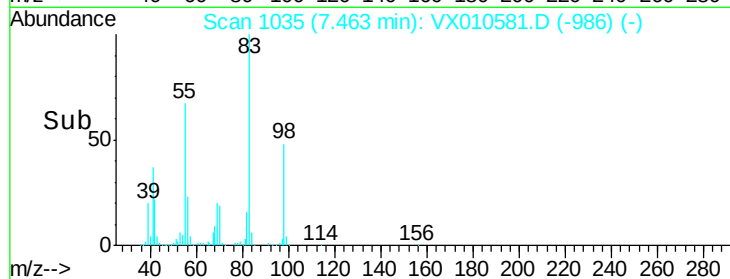
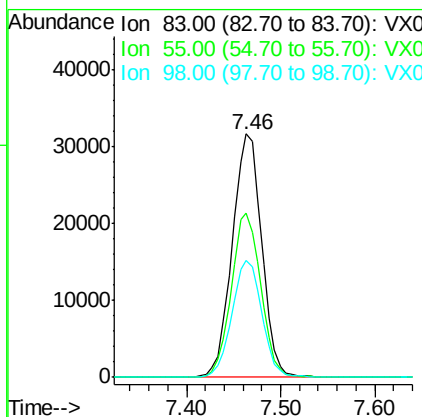
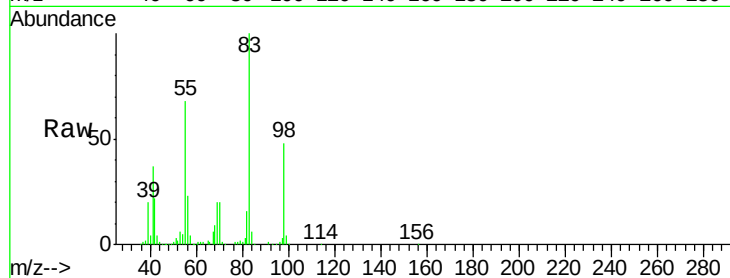
#39
Methylvlcyclohexane
Concen: 18.256 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.5	53.0	79.6
98	47.8	37.8	56.8

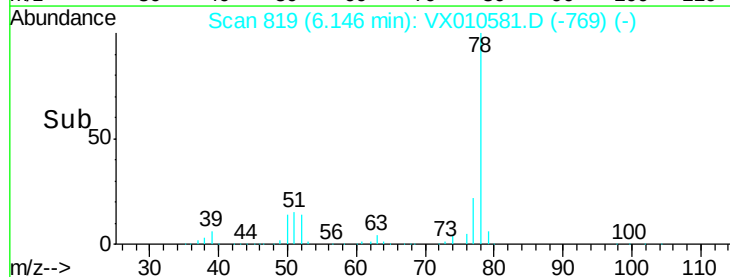
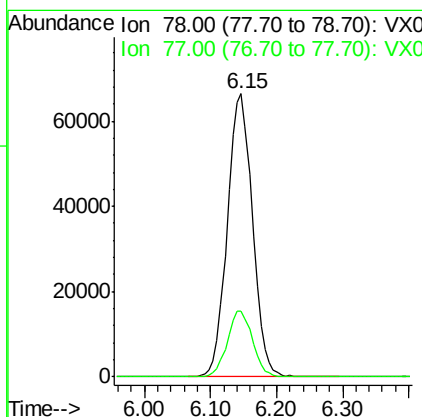
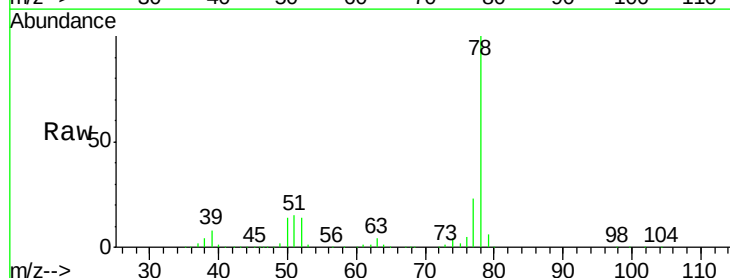
Manual Integrations
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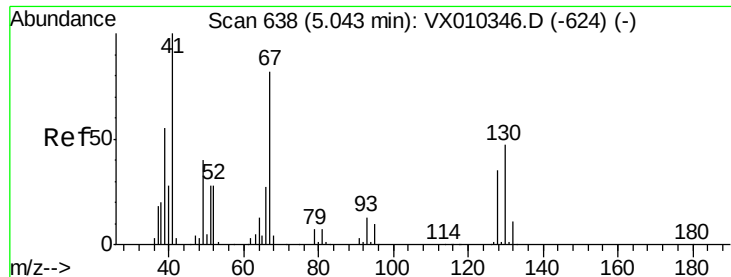
MMDadoda
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#40
Benzene
Concen: 19.519 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0





#41

Methacrylonitrile

Concen: 19.615 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion: 41 Resp: 31899

Ion Ratio Lower Upper

41 100

39 55.0 43.8 65.8

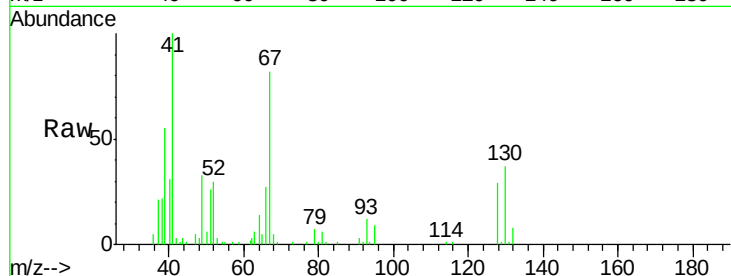
67 86.4 66.6 100.0

52 34.1 24.5 36.7

Manual Integrations
APPROVED

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7/2/2019 9:55:06 AM

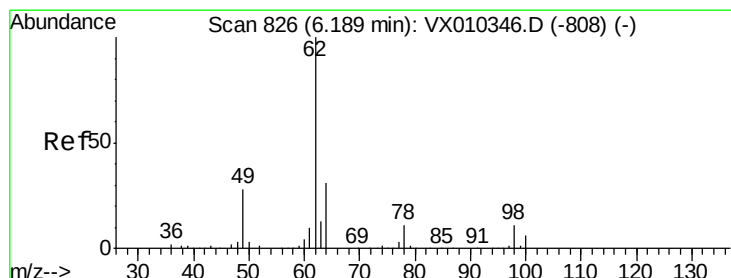
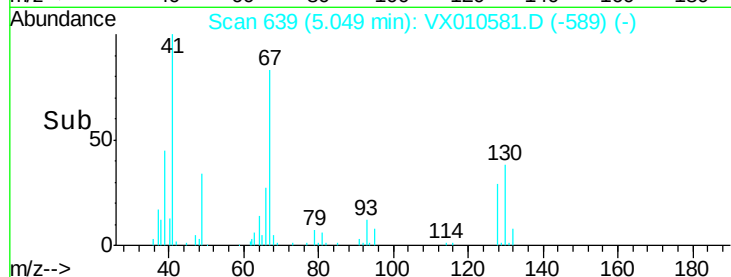
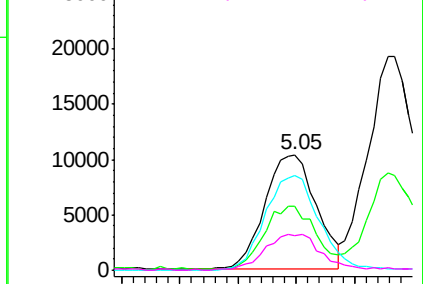


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.611 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX010581.D

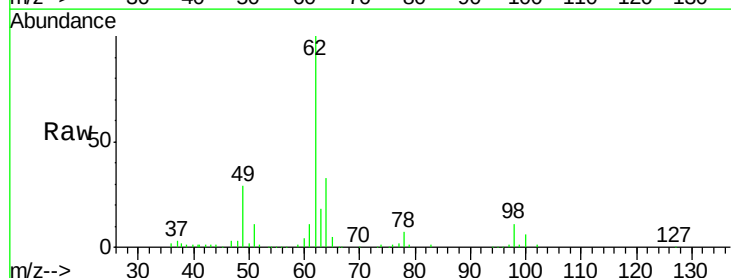
Acq: 01 Jul 2019 11:27

Tgt Ion: 62 Resp: 56315

Ion Ratio Lower Upper

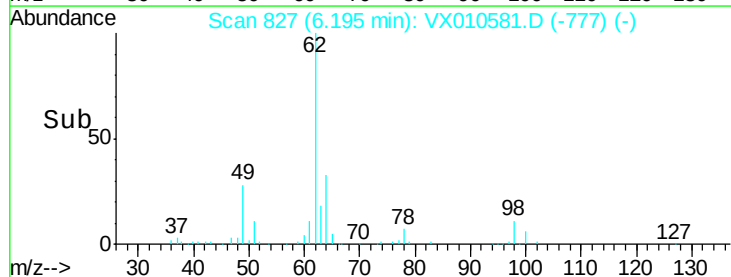
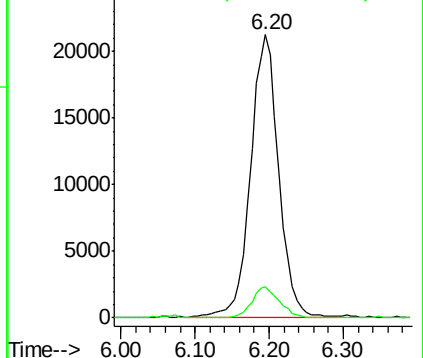
62 100

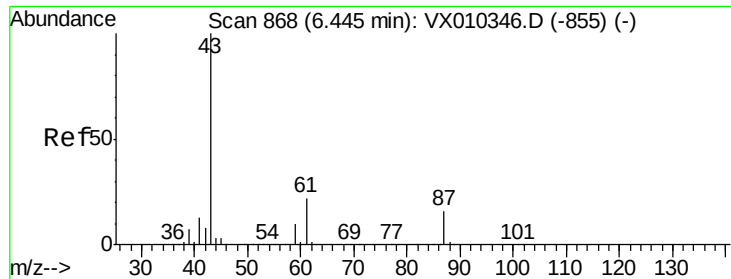
98 10.7 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





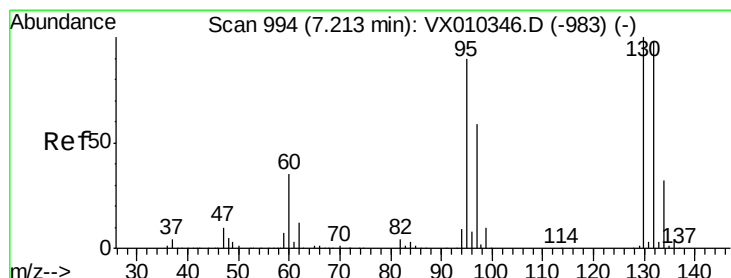
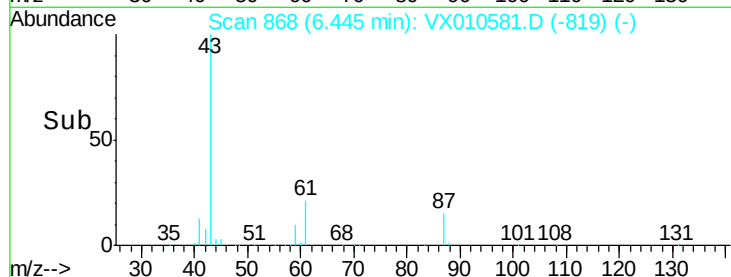
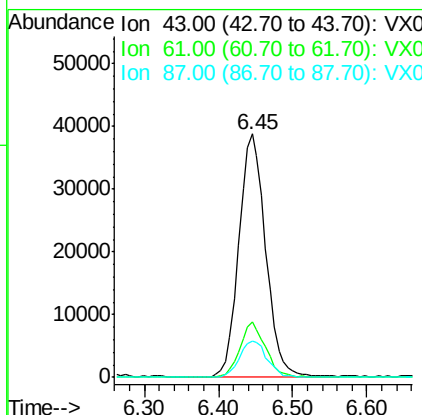
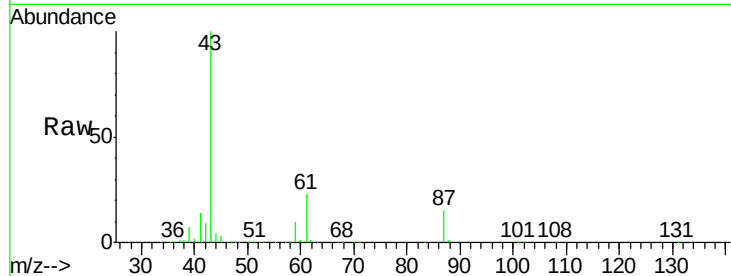
#43
Isopropyl Acetate
Concen: 20.130 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VX0701WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.8	26.6
87	15.3	13.0	19.4

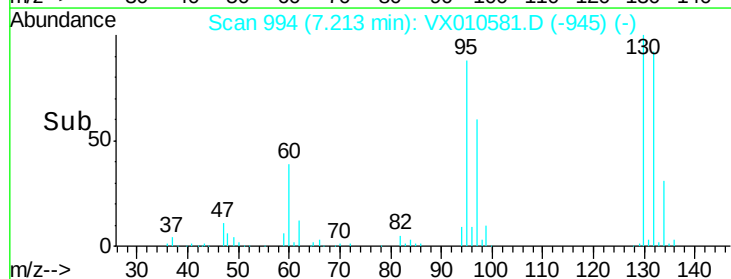
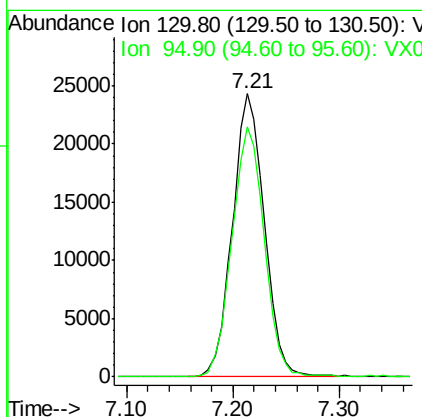
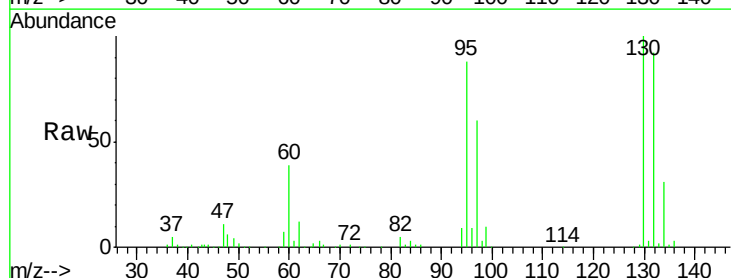
Manual Integrations
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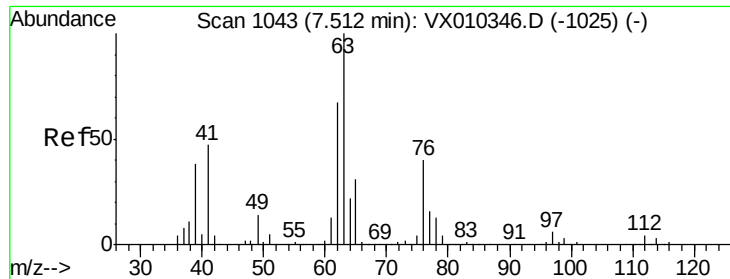
MMDadoda
7/2/2019 9:55:06 AM



#44
Trichloroethene
Concen: 19.032 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	180.8





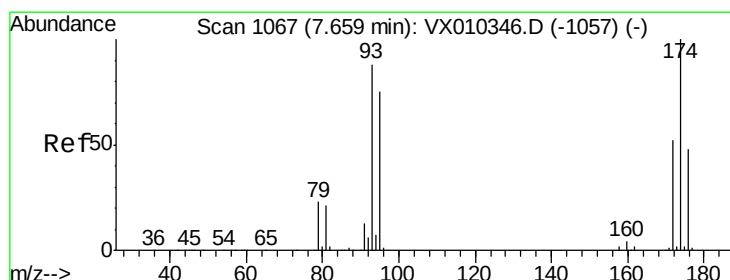
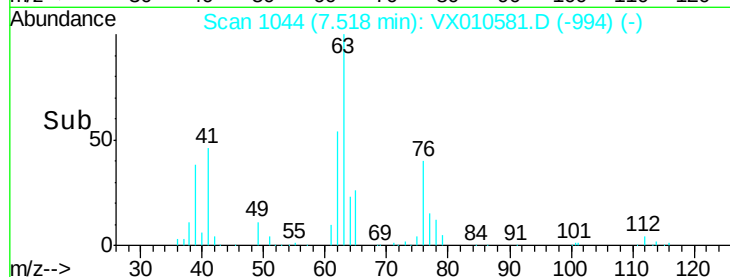
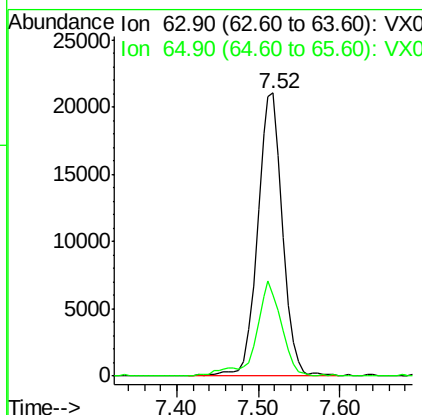
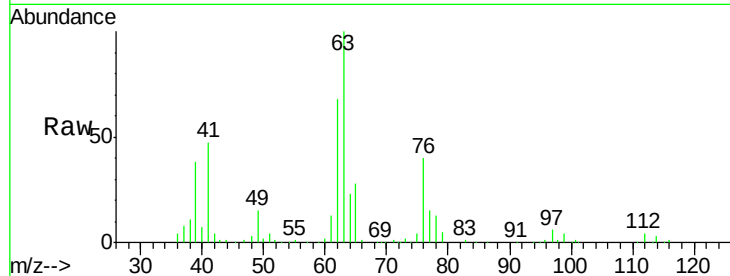
#45
 1,2-Dichloropropane
 Concen: 19.774 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBS01

Tot Ion: 63 Resp: 44820
 Ion Ratio Lower Upper
 63 100
 65 28.5 24.8 37.2

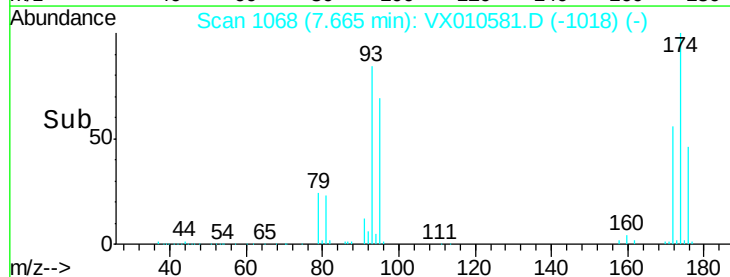
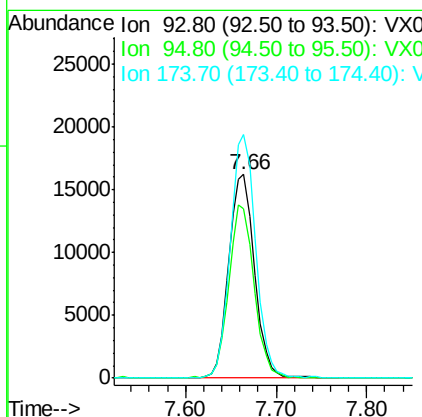
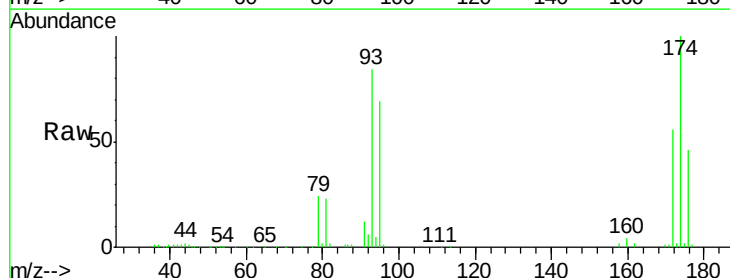
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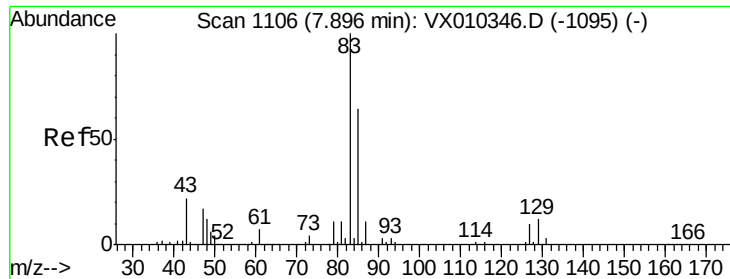
MMDadoda
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#46
 Dibromomethane
 Concen: 19.752 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Tgt Ion: 93 Resp: 32122
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.5 101.3
 174 117.1 95.8 143.6





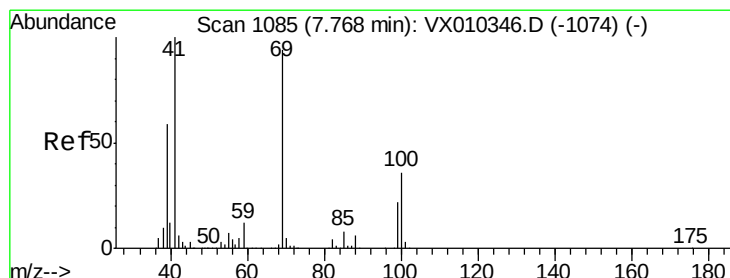
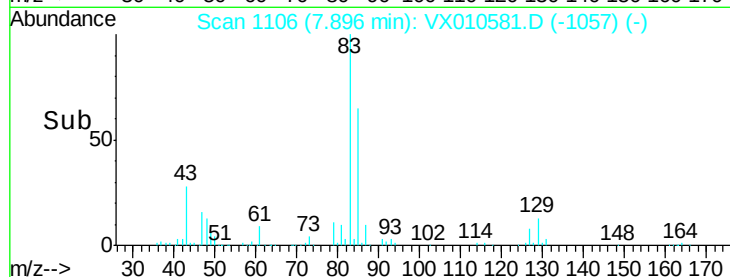
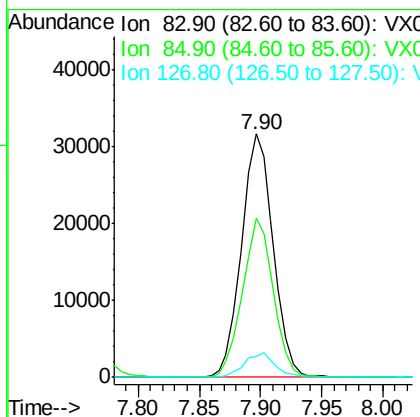
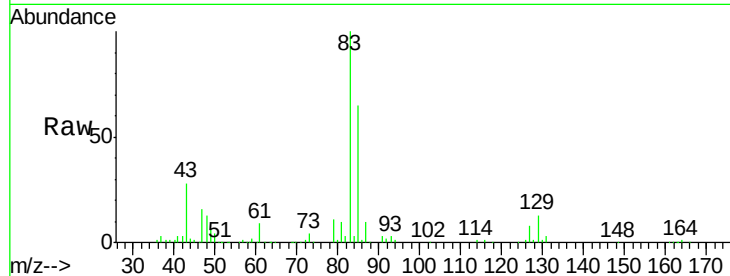
#47
 Bromodichloromethane
 Concen: 19.080 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBS01

Tot Ion	83	Resp	56863
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.5	77.3
127	8.5	7.8	11.8

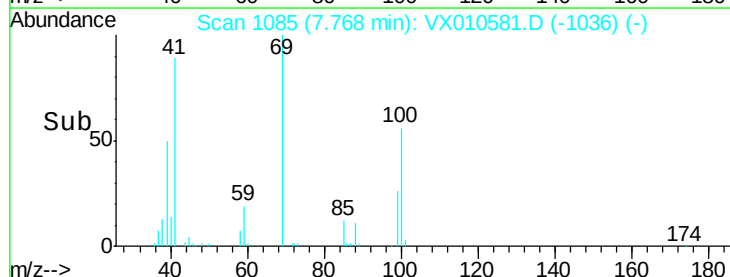
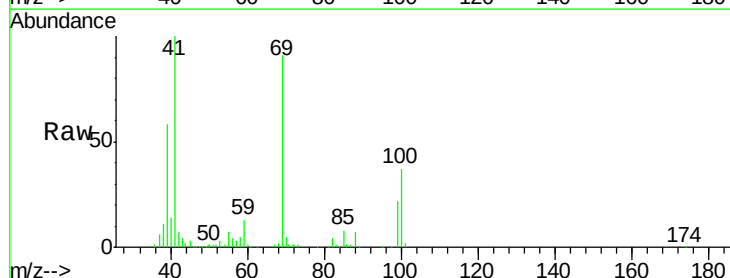
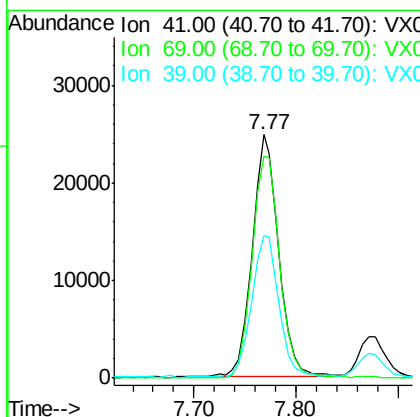
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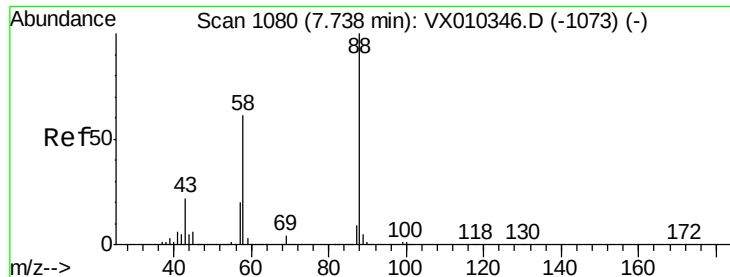
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#48
 Methyl methacrylate
 Concen: 19.735 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Tgt Ion	41	Resp	44981
Ion Ratio	100	Lower	Upper
41	100		
69	96.2	76.1	114.1
39	59.8	47.6	71.4





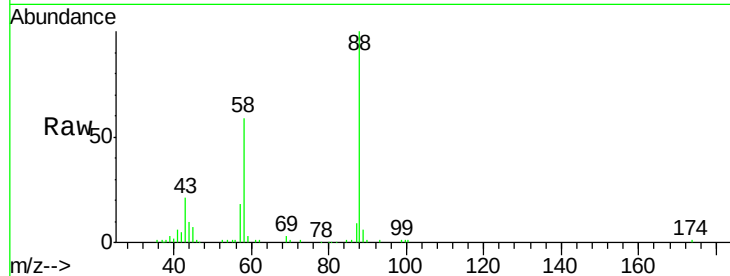
#49
1,4-Dioxane
Concen: 397.666 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

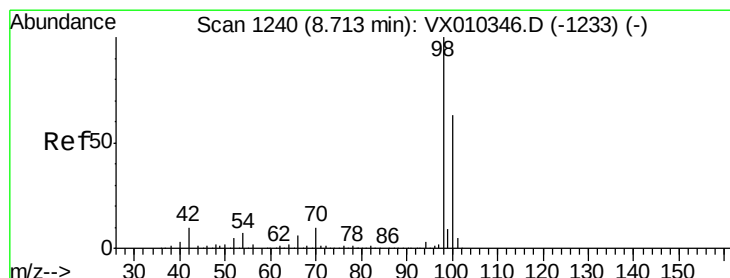
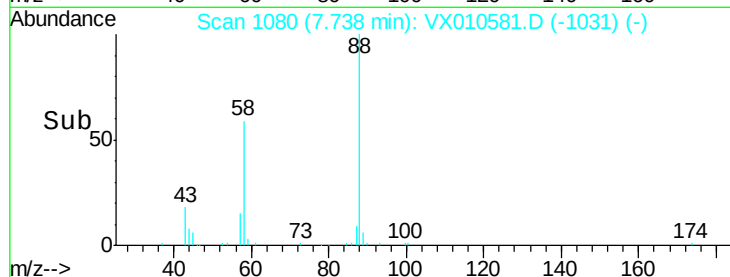
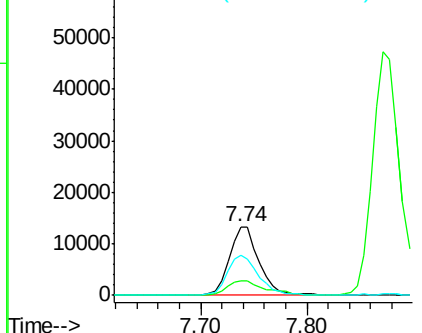
Tot Ion	Ratio	Lower	Upper
88	100		
43	25.1	20.2	30.2
58	62.1	49.5	74.3

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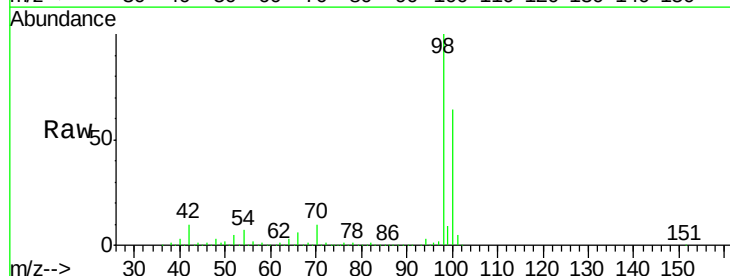


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

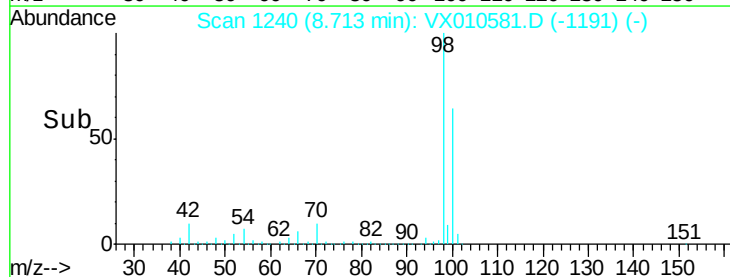
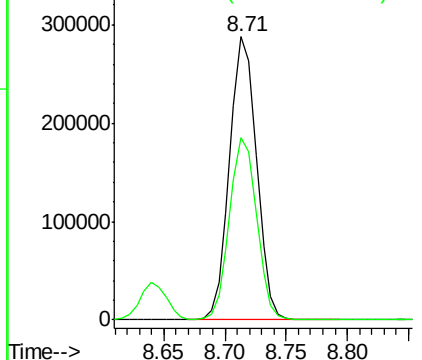


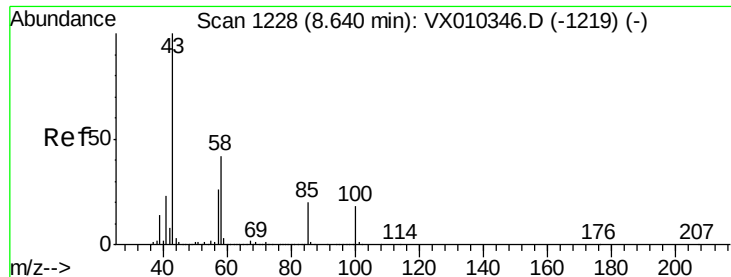
#50
Toluene-d8
Concen: 51.927 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 101.879 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion: 43 Resp: 319514

Ion Ratio Lower Upper

43 100

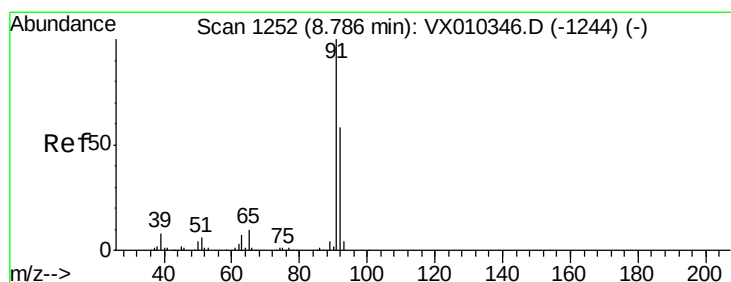
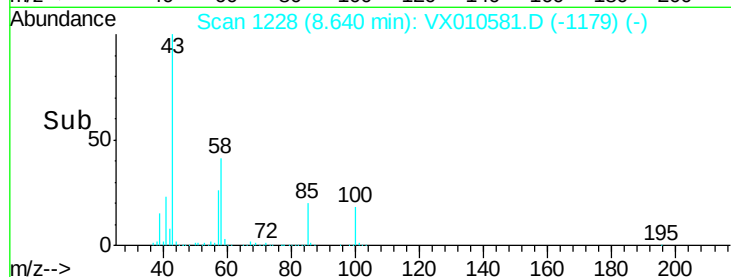
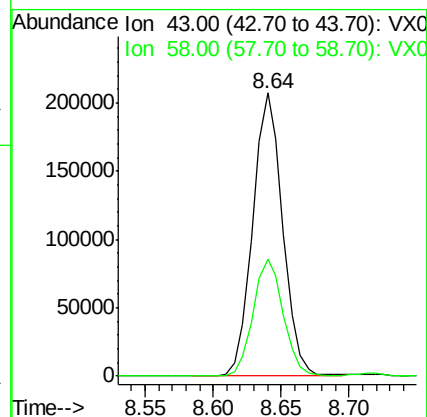
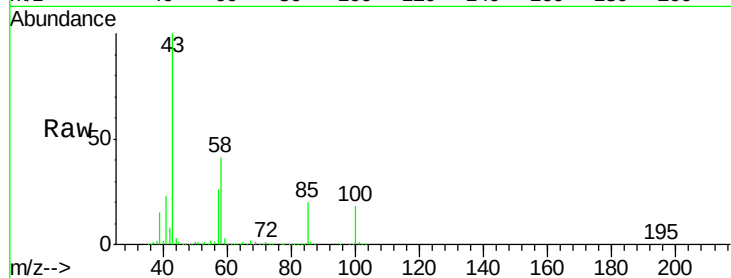
58 41.5 33.5 50.3

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#52

Toluene

Concen: 19.465 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010581.D

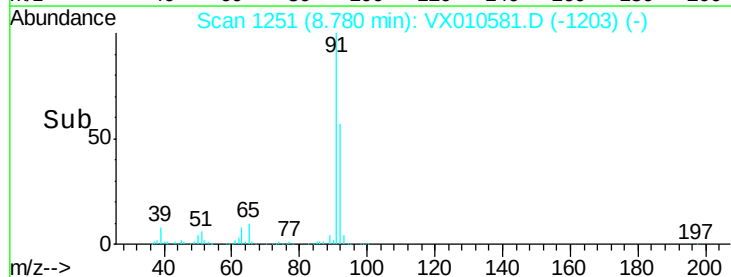
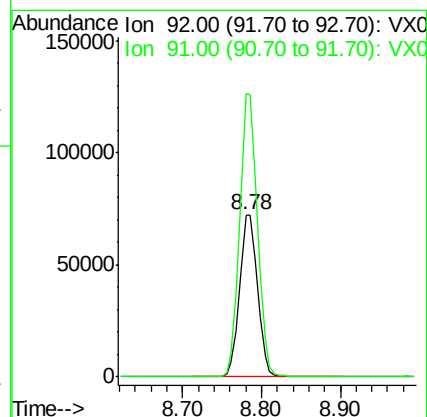
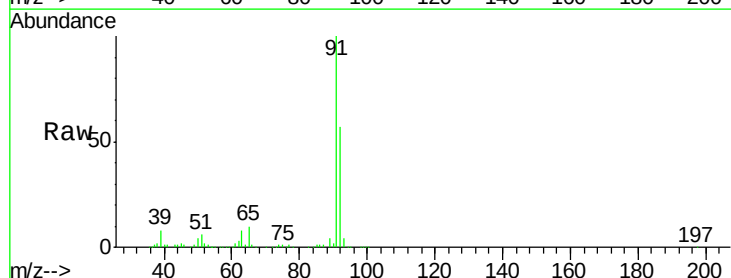
Acq: 01 Jul 2019 11:27

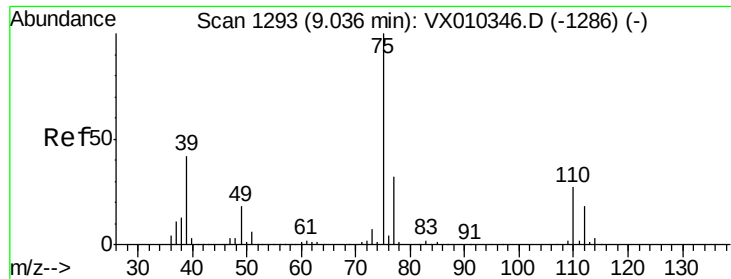
Tgt Ion: 92 Resp: 115052

Ion Ratio Lower Upper

92 100

91 173.1 139.8 209.6





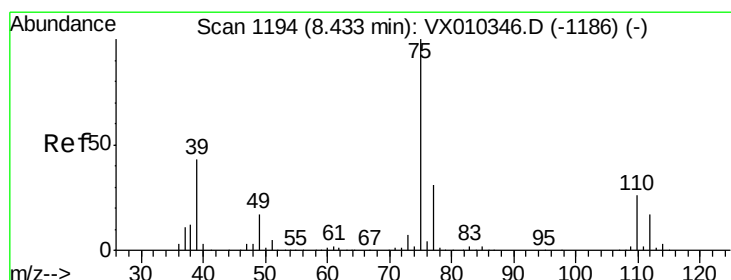
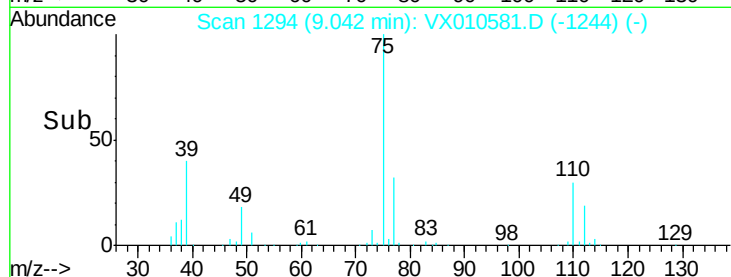
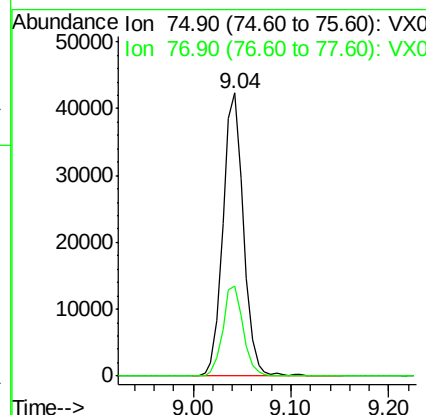
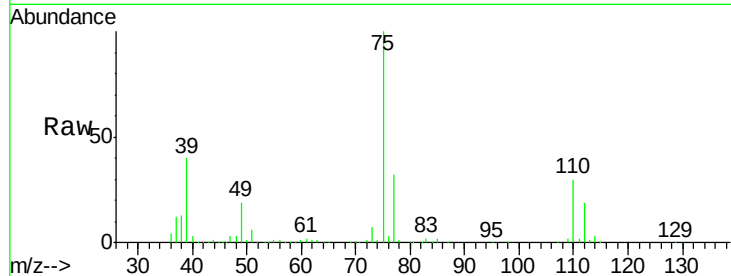
#53
t-1,3-Dichloropropene
Concen: 18.450 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

Tot Ion: 75 Resp: 61649
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

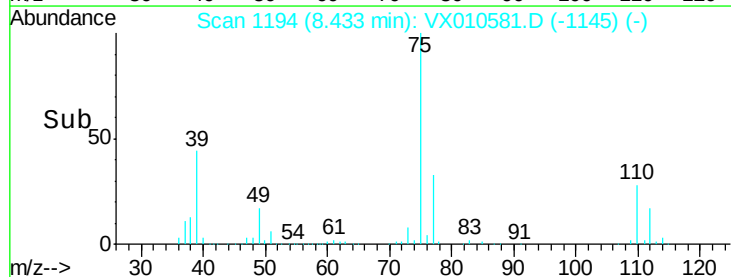
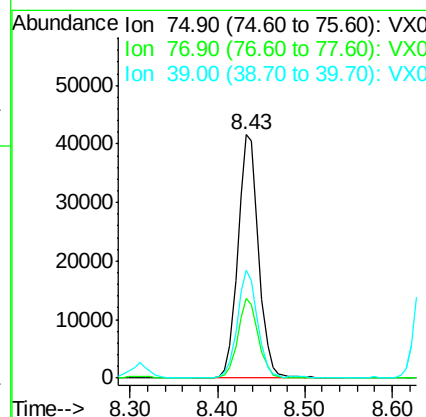
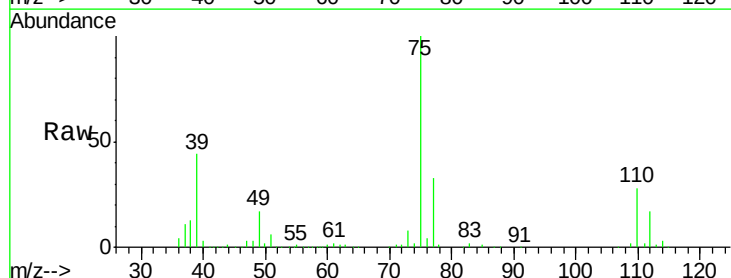
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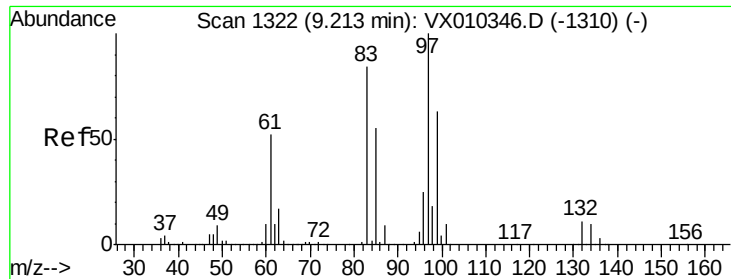
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#54
cis-1,3-Dichloropropene
Concen: 18.967 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion: 75 Resp: 68872
Ion Ratio Lower Upper
75 100
77 32.7 25.2 37.8
39 44.2 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 20.090 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

VX0701WBS01

Tot Ion: 97 Resp: 48975

Ion Ratio Lower Upper

97 100

83 82.0 67.4 101.0

85 55.2 43.8 65.8

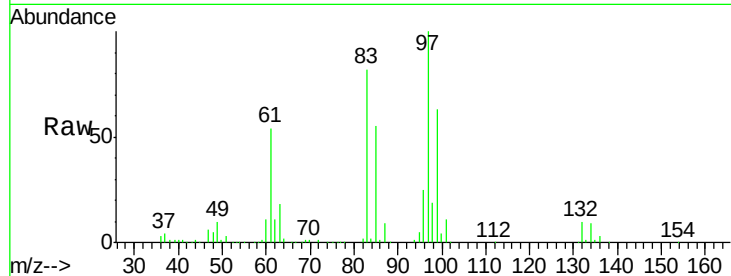
99 63.1 50.3 75.5

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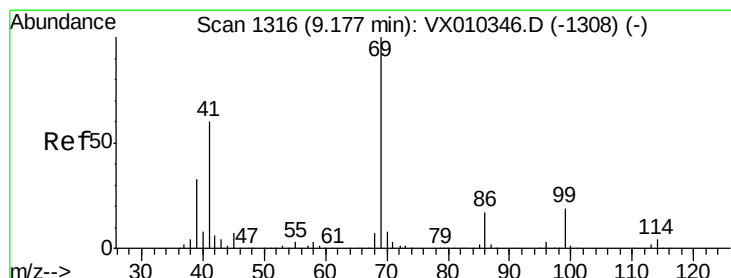
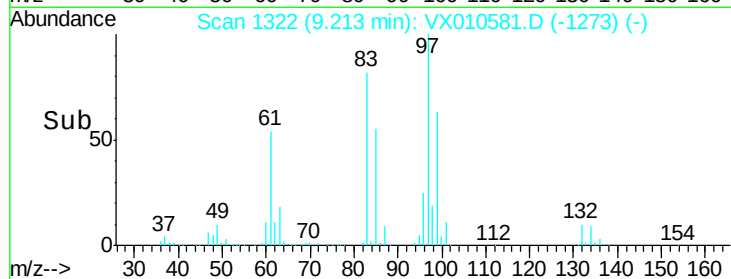
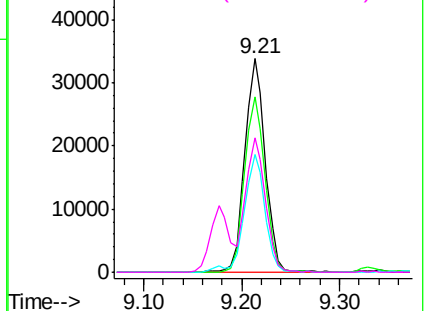
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.155 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

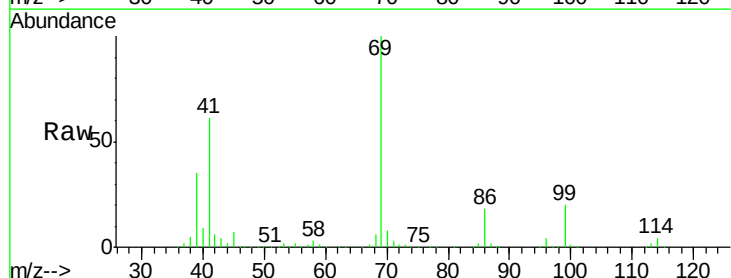
Tgt Ion: 69 Resp: 70737

Ion Ratio Lower Upper

69 100

41 61.1 47.1 70.7

39 35.6 26.6 40.0

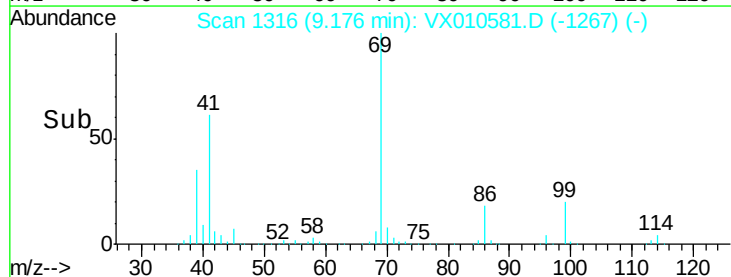
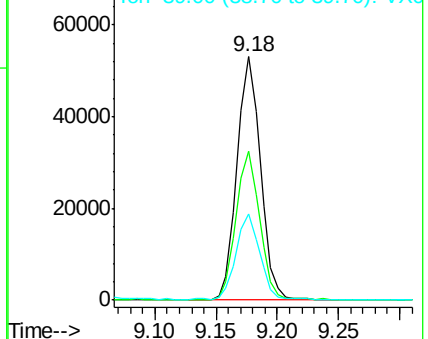


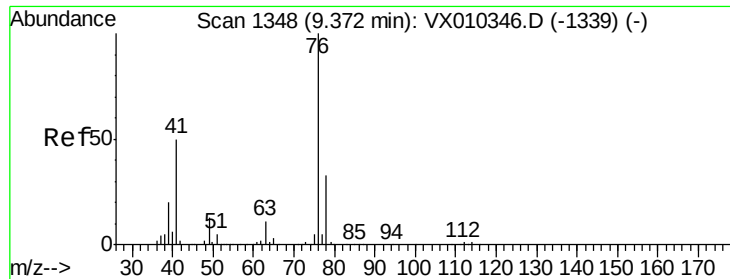
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





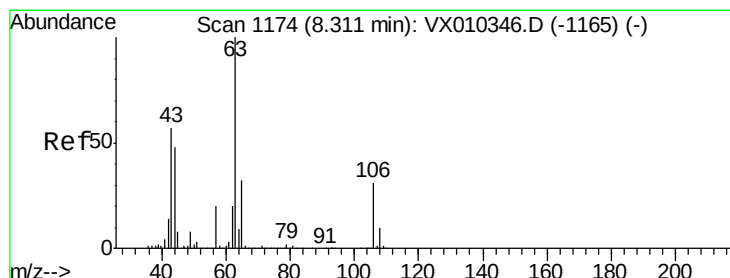
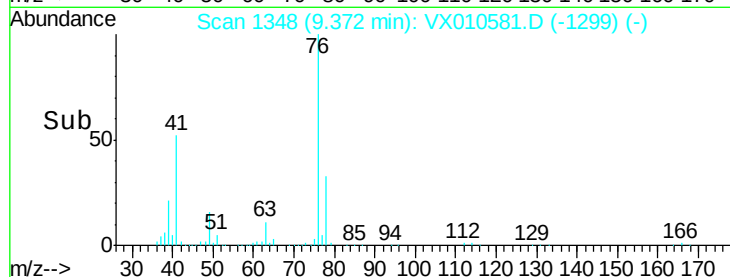
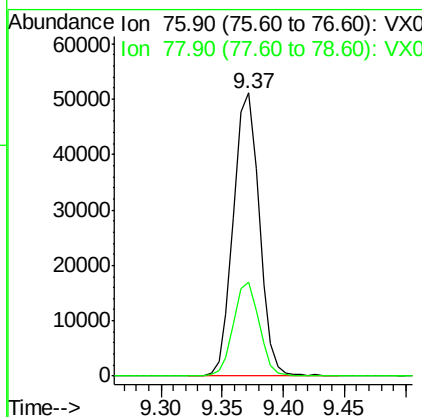
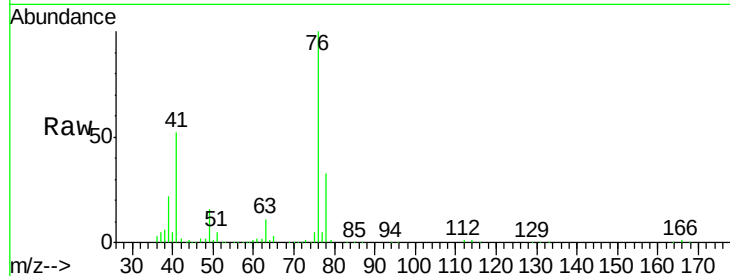
#57
 1,3-Dichloropropane
 Concen: 19.846 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0701WBS01

Tot Ion: 76 Resp: 75100
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1

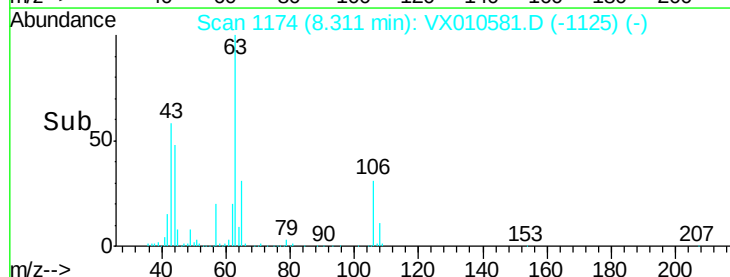
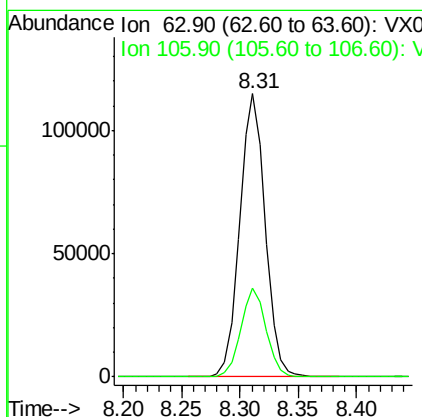
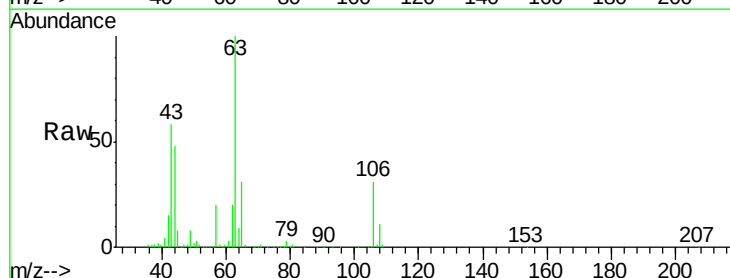
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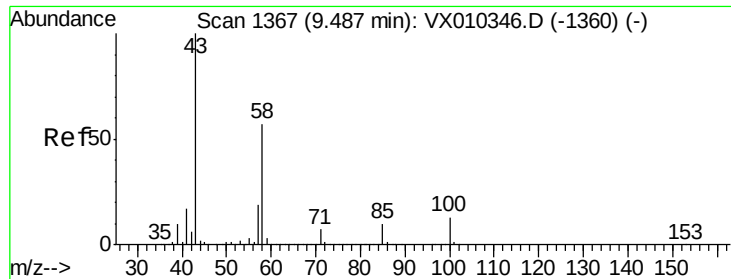
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.899 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Tgt Ion: 63 Resp: 175208
 Ion Ratio Lower Upper
 63 100
 106 31.3 24.7 37.1





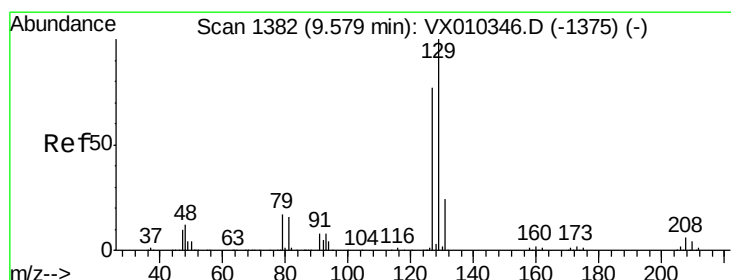
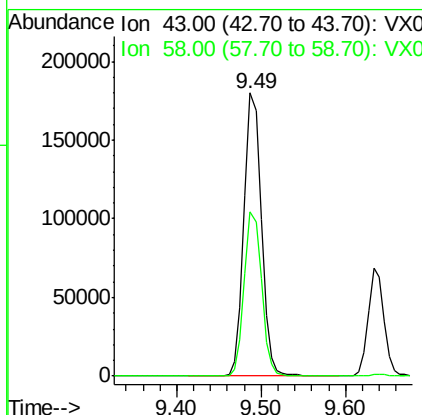
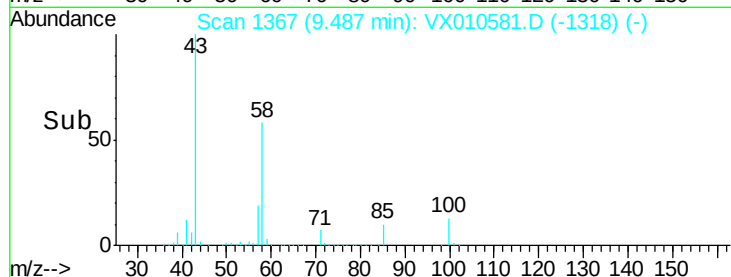
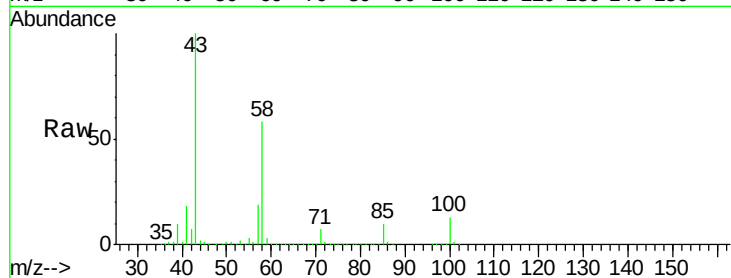
#59
2-Hexanone
Concen: 100.873 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

Tot Ion: 43 Resp: 248986
Ion Ratio Lower Upper
43 100
58 57.6 29.0 87.1

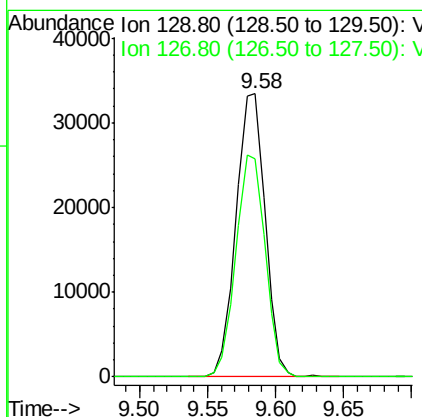
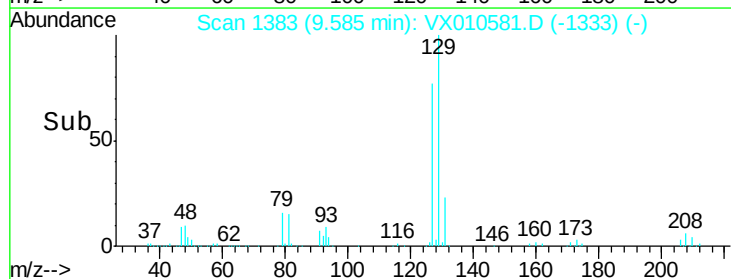
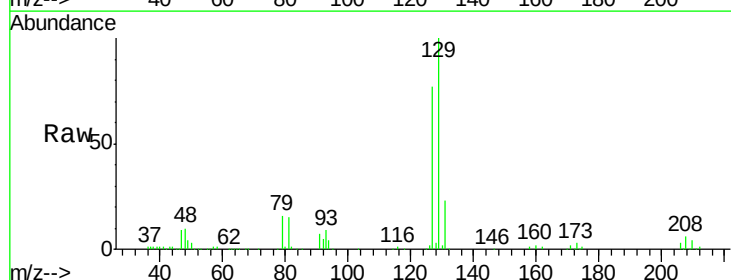
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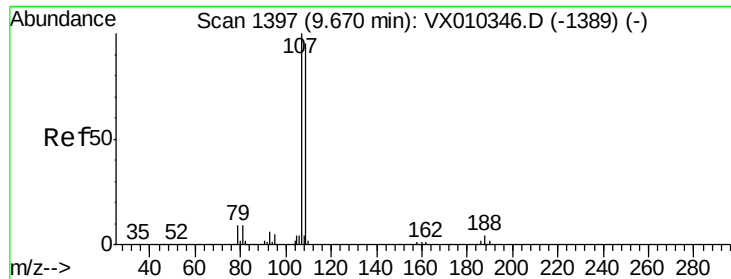
MMDadoda
7/2/2019 9:55:06 AM



#60
Dibromochloromethane
Concen: 18.389 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion: 129 Resp: 50193
Ion Ratio Lower Upper
129 100
127 78.8 38.4 115.1





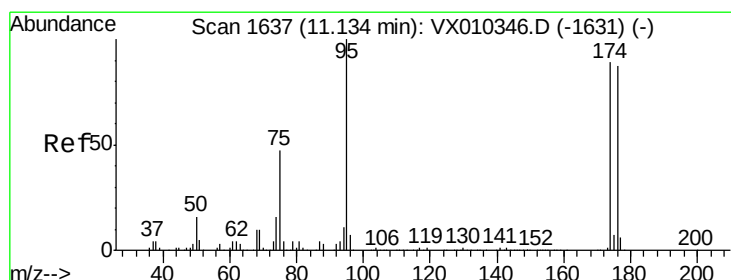
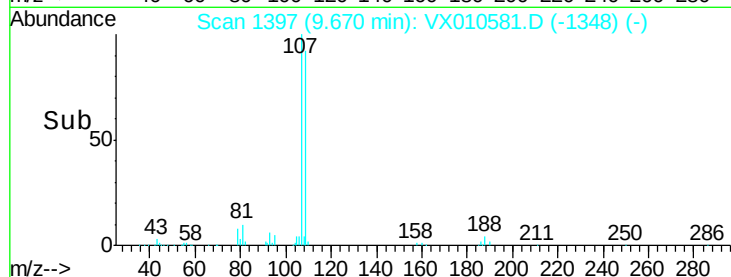
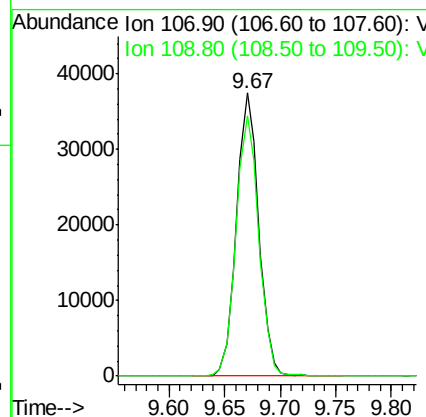
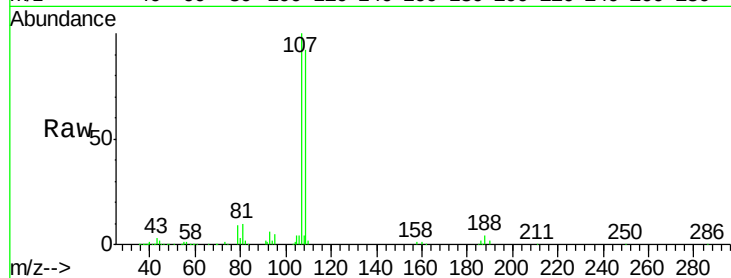
#61
 1,2-Dibromoethane
 Concen: 19.725 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBS01

Tot Ion:107 Resp: 51903
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.8 113.6

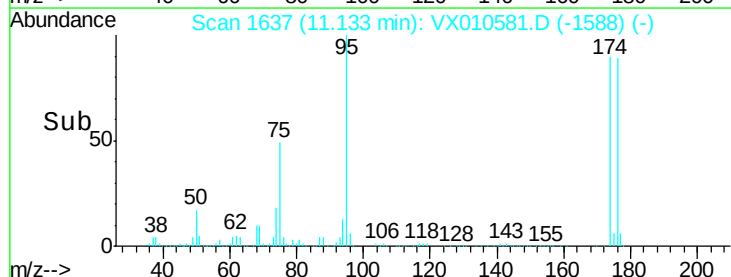
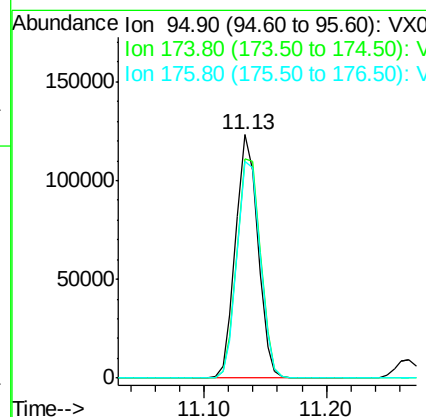
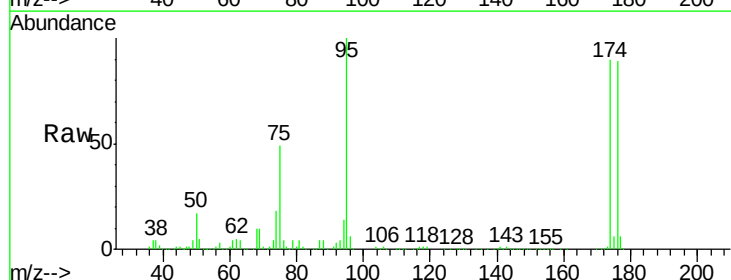
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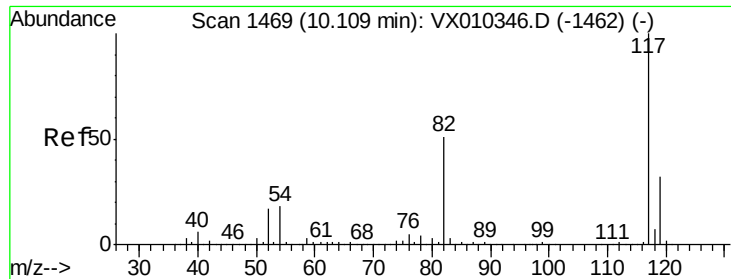
MMDadoda
 7/2/2019 9:55:06 AM



#62
 4-Bromofluorobenzene
 Concen: 50.509 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Tgt Ion: 95 Resp: 154750
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 187.6
 176 93.2 0.0 184.0





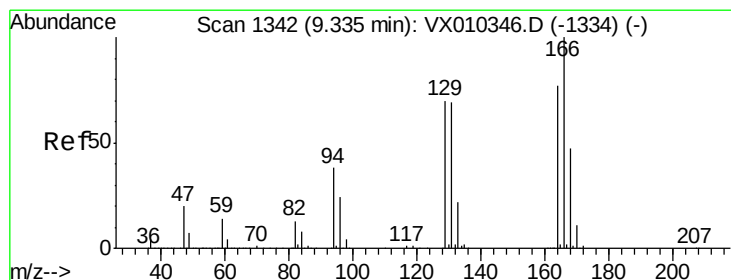
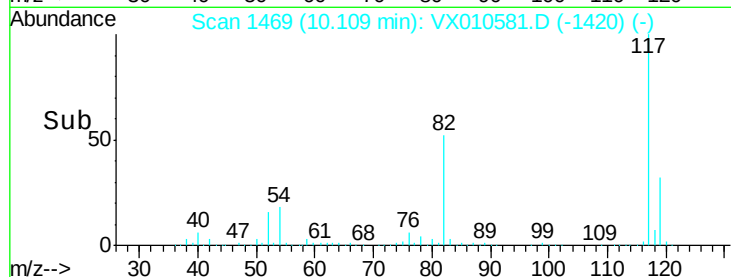
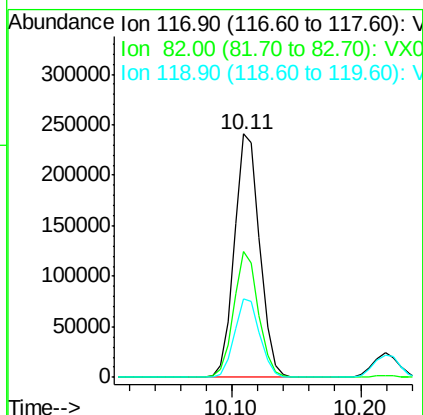
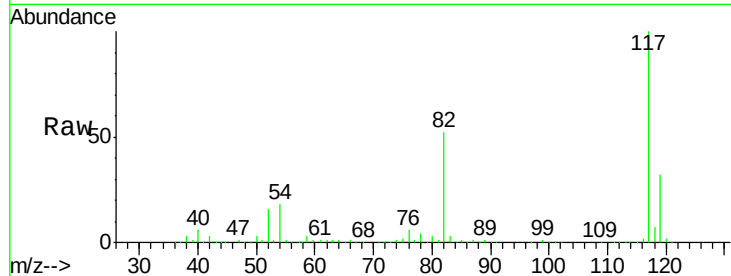
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.2	61.8
119	32.1	25.5	38.3

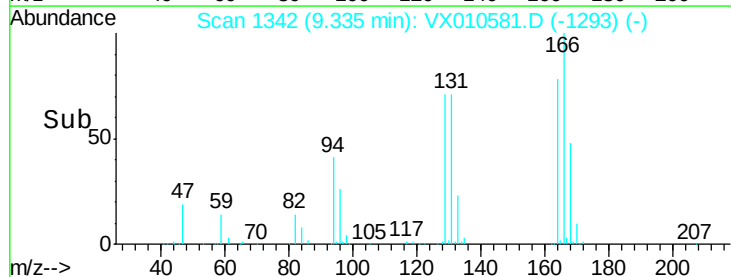
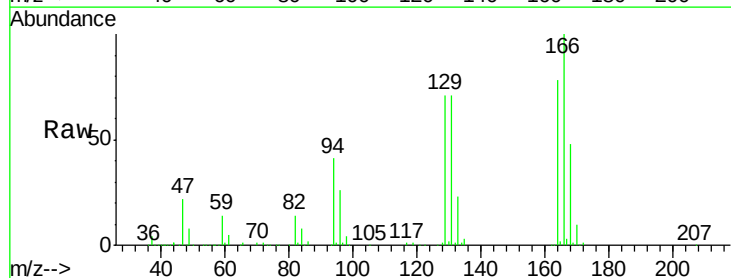
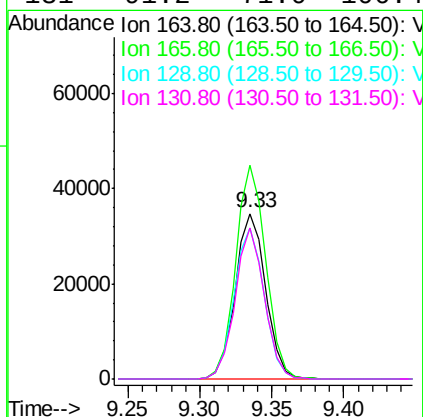
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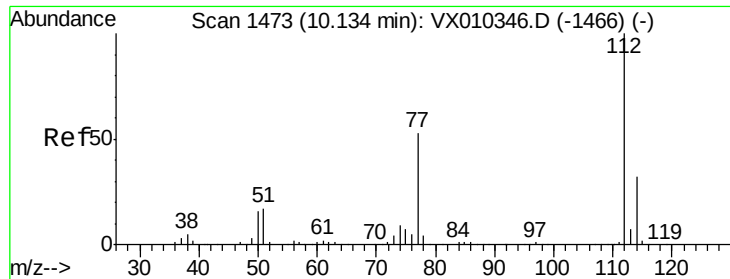
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#64
Tetrachloroethene
Concen: 19.143 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.6	155.4
129	91.5	73.0	109.4
131	91.2	71.0	106.4





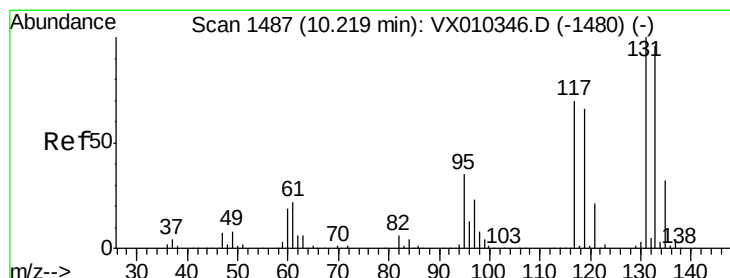
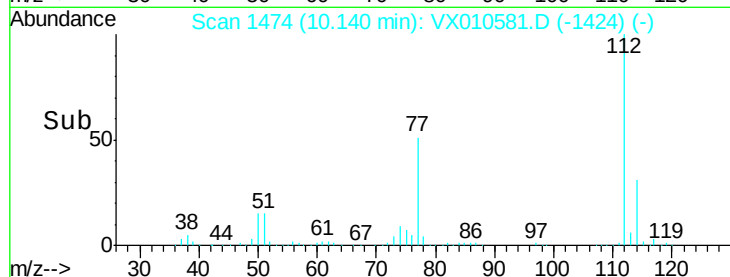
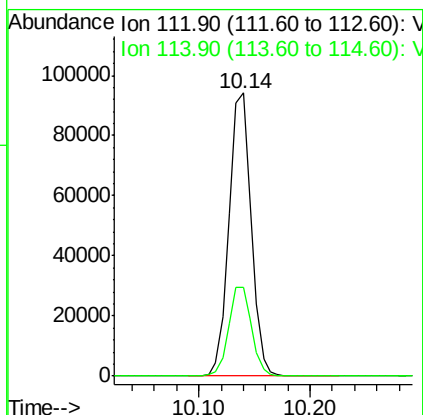
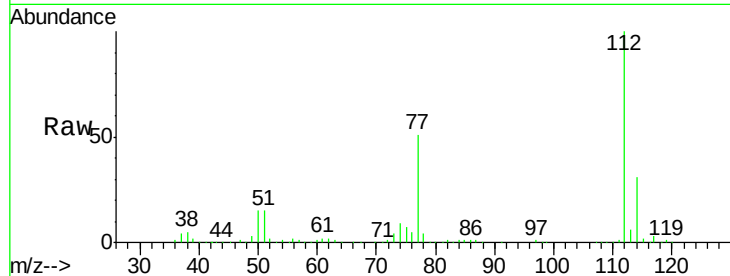
#65
Chlorobenzene
Concen: 19.432 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VX0701WBS01

Tot Ion:112 Resp: 130178
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2

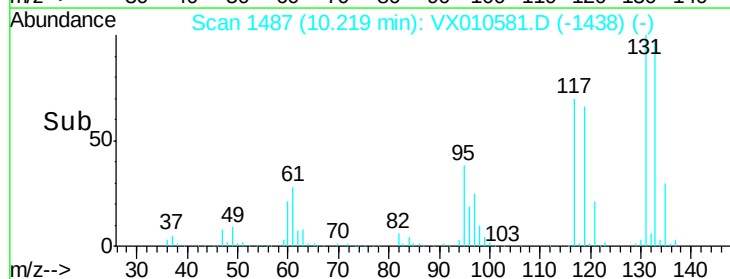
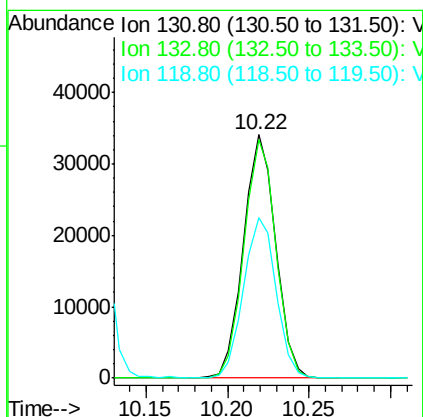
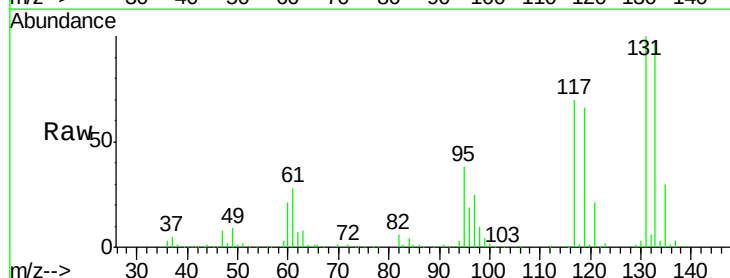
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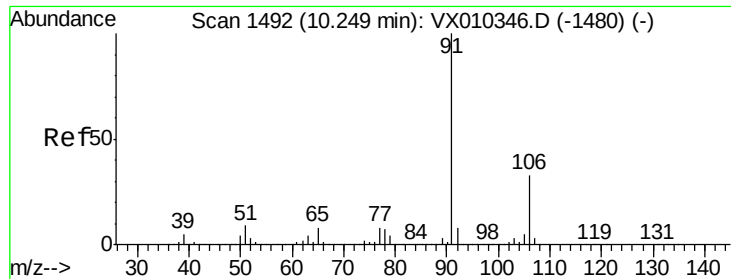
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.301 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion:131 Resp: 47097
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 65.9 32.6 97.7





#67

Ethyl Benzene

Concen: 19.385 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion: 91 Resp: 219235

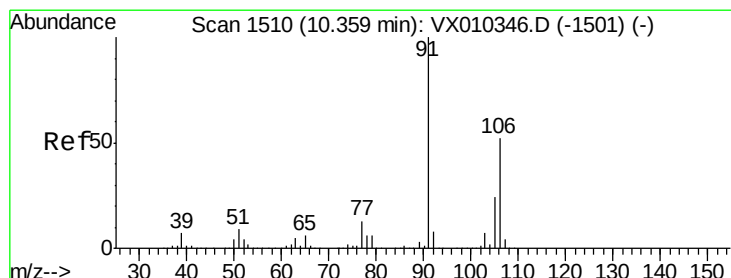
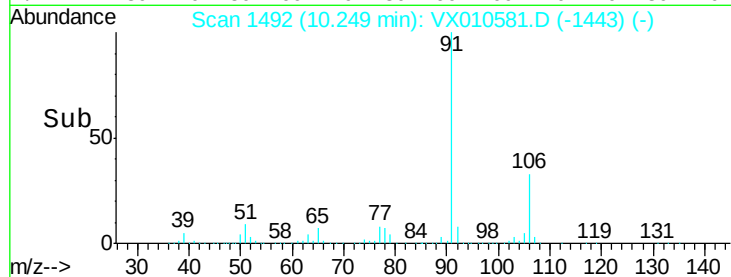
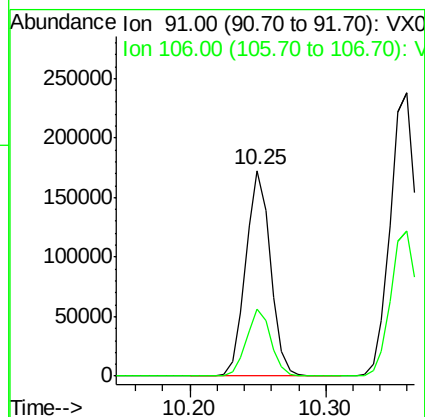
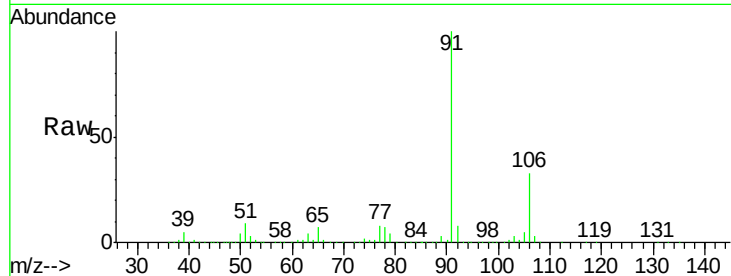
Ion Ratio Lower Upper

91 100

106 32.9 26.2 39.2

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#68

m/p-Xylenes

Concen: 38.365 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010581.D

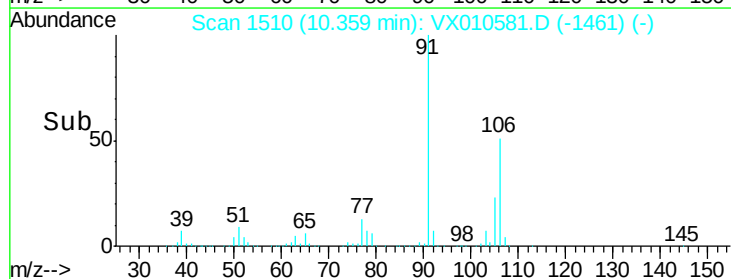
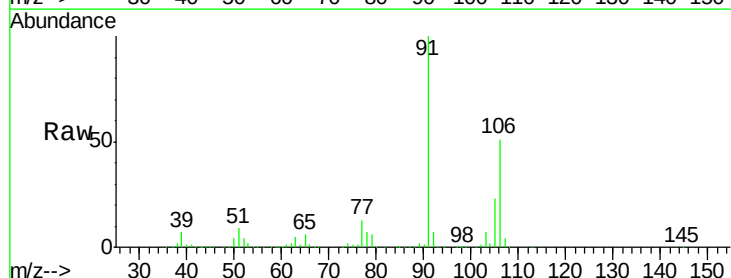
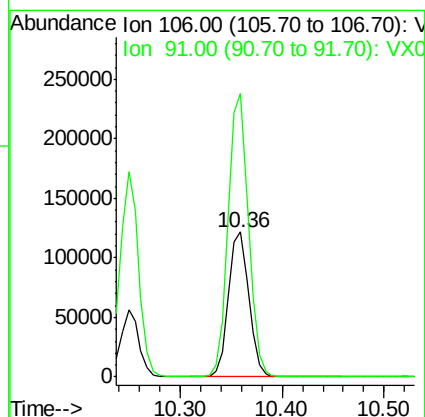
Acq: 01 Jul 2019 11:27

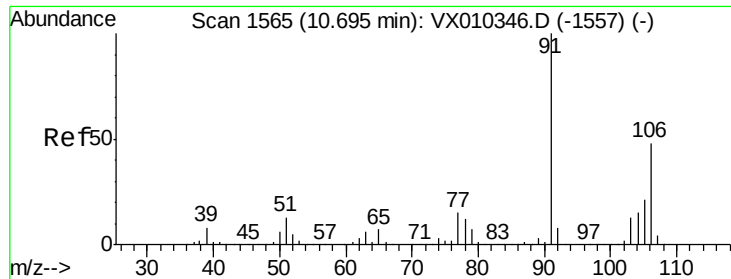
Tgt Ion: 106 Resp: 168118

Ion Ratio Lower Upper

106 100

91 194.3 155.3 232.9





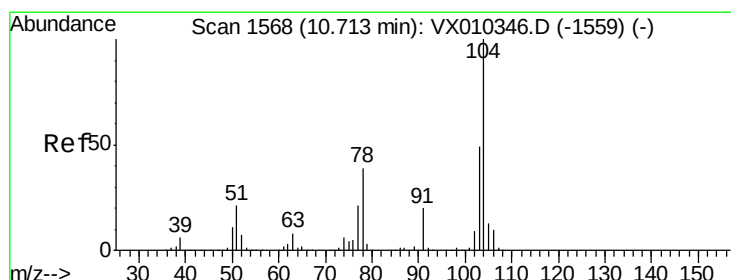
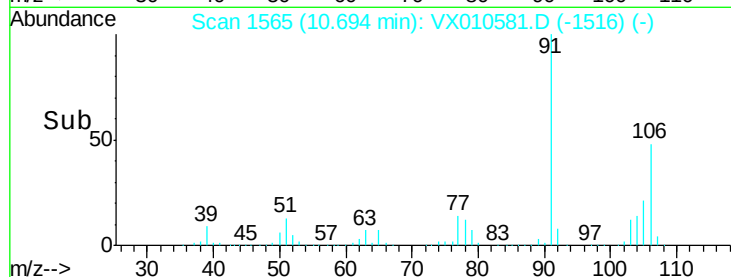
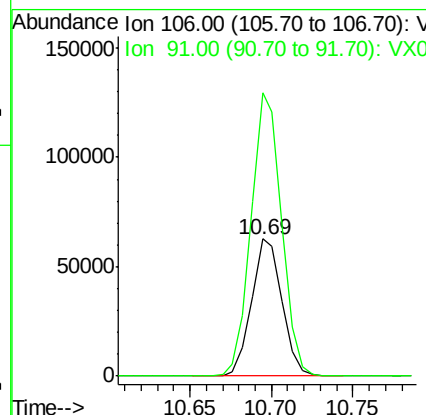
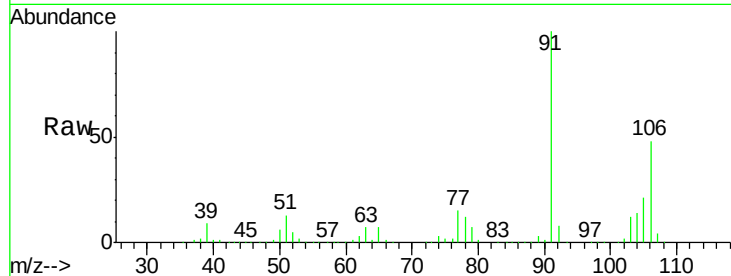
#69
o-Xylene
Concen: 19.008 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VX0701WBS01

Tot Ion:106 Resp: 81911
Ion Ratio Lower Upper
106 100
91 206.2 102.7 308.1

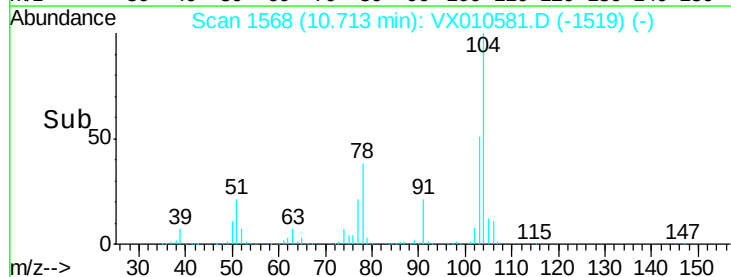
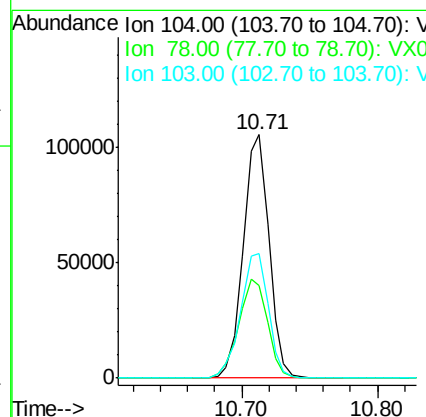
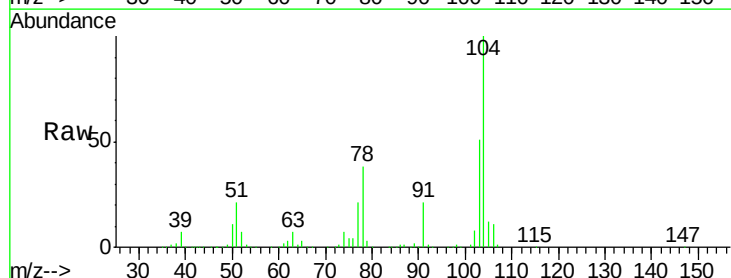
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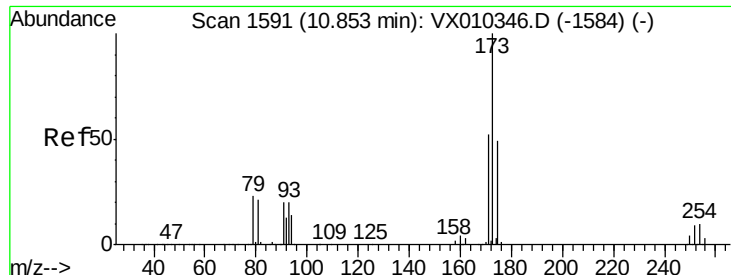
MMDadoda
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#70
Styrene
Concen: 19.373 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion:104 Resp: 140010
Ion Ratio Lower Upper
104 100
78 45.7 36.2 54.2
103 55.4 44.2 66.4





#71

Bromoform

Concen: 18.034 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion:173 Resp: 38268

Ion Ratio Lower Upper

173 100

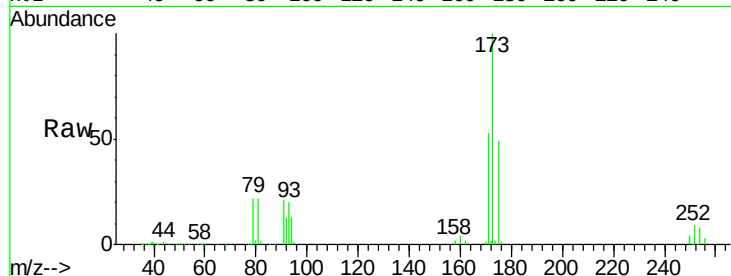
175 48.7 24.1 72.3

254 0.0 0.2 0.2#

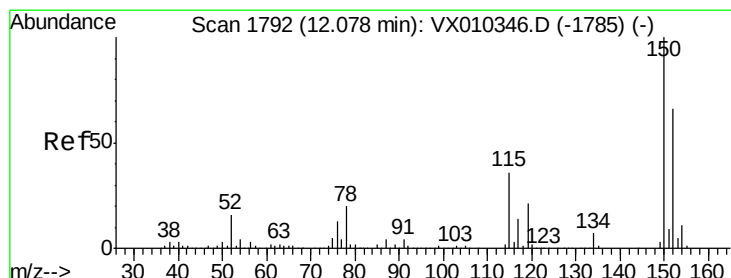
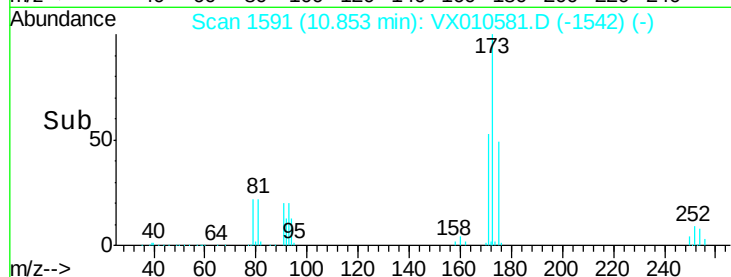
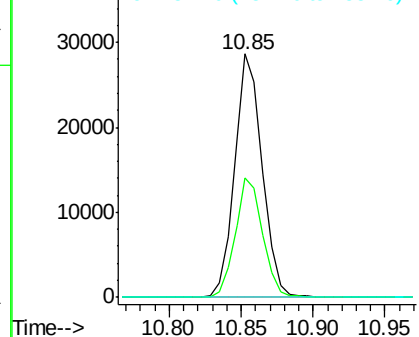
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

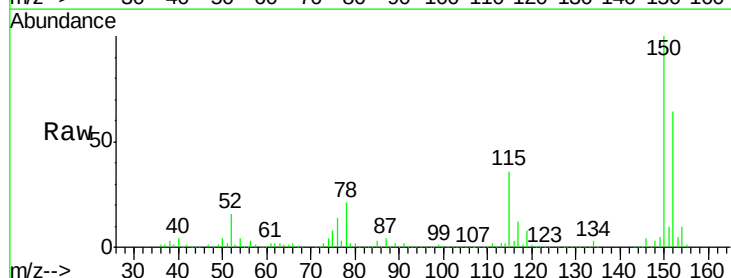
Tgt Ion:152 Resp: 166750

Ion Ratio Lower Upper

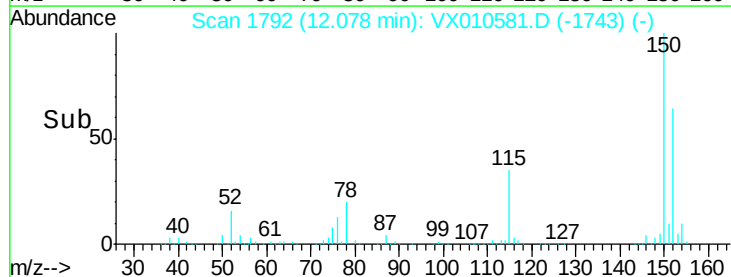
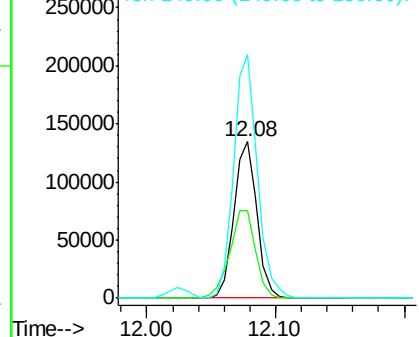
152 100

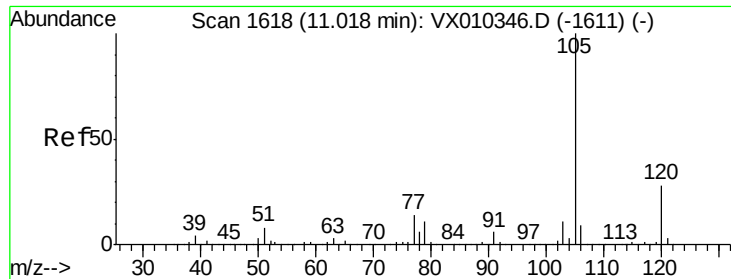
115 64.1 38.6 115.7

150 162.5 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: 19.533 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion: 105 Resp: 220798

Ion Ratio Lower Upper

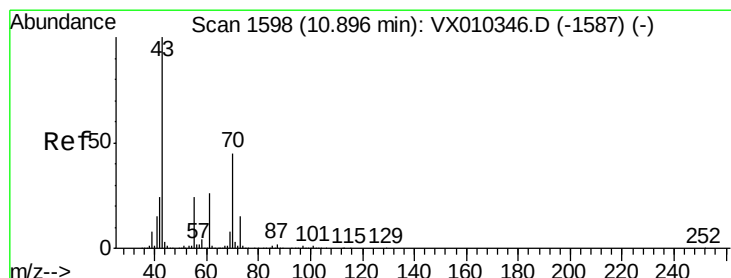
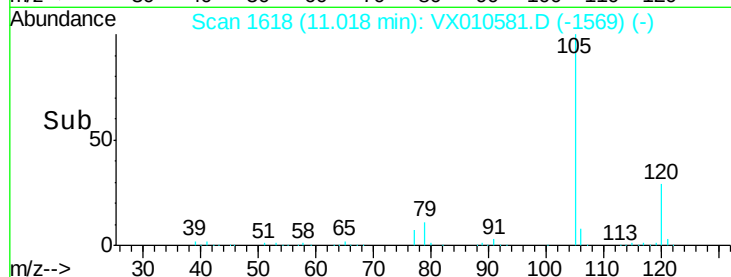
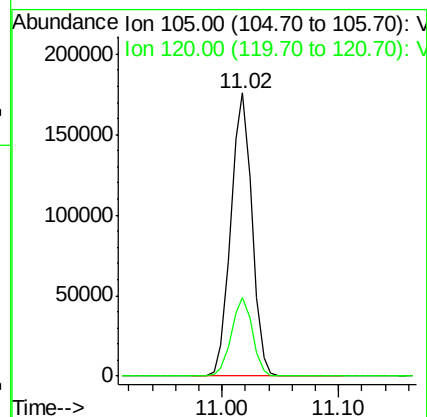
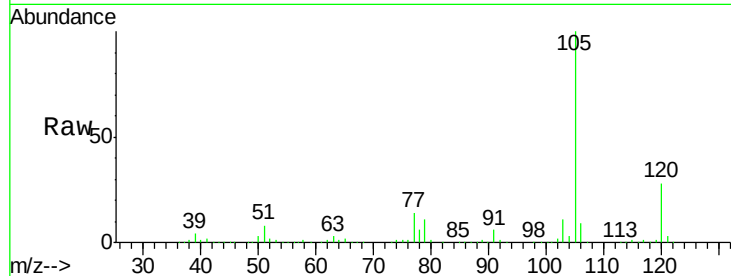
105 100

120 27.7 14.1 42.4

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#74

N-ethyl acetate

Concen: 19.947 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Tgt Ion: 43 Resp: 85213

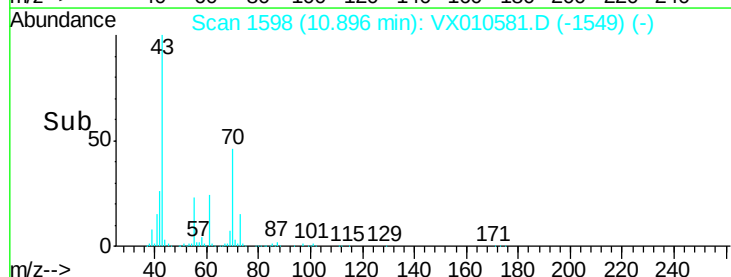
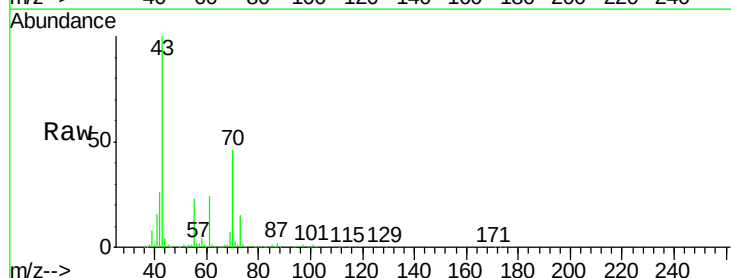
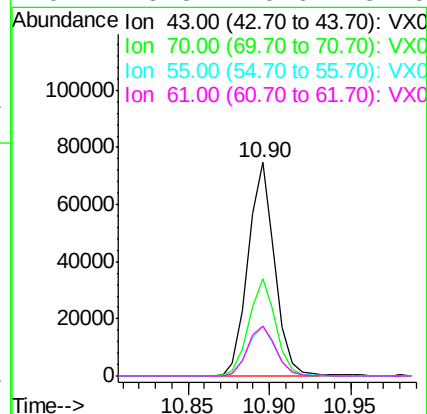
Ion Ratio Lower Upper

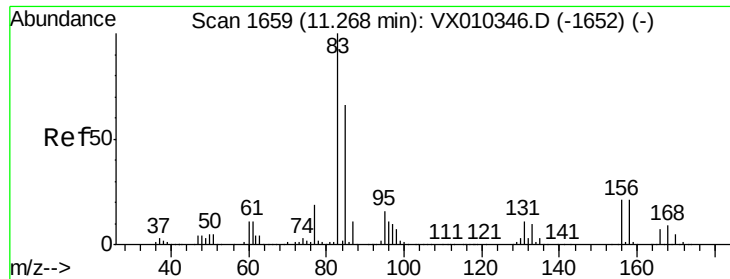
43 100

70 46.0 36.6 54.8

55 24.6 18.7 28.1

61 25.3 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.101 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

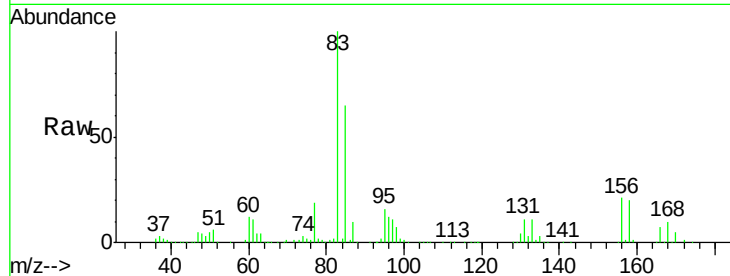
ClientSampleId :

VX0701WBS01

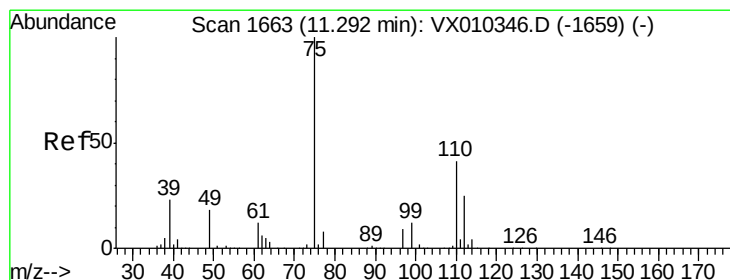
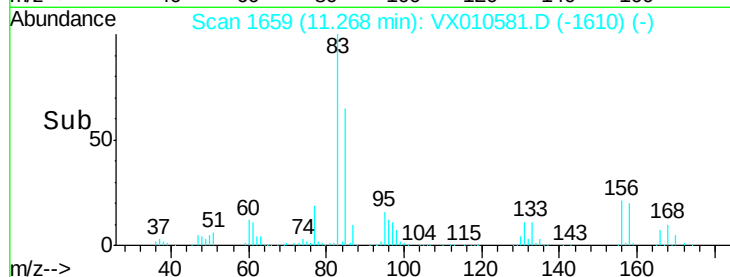
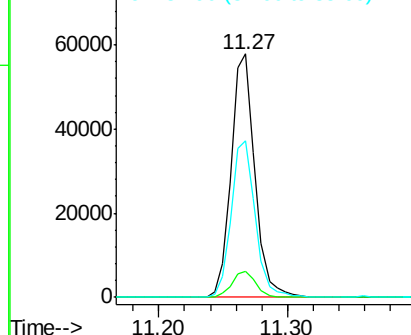
Tot Ion:	83	Resp:	75248
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.5	16.4
85	65.1	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.990 ug/l m

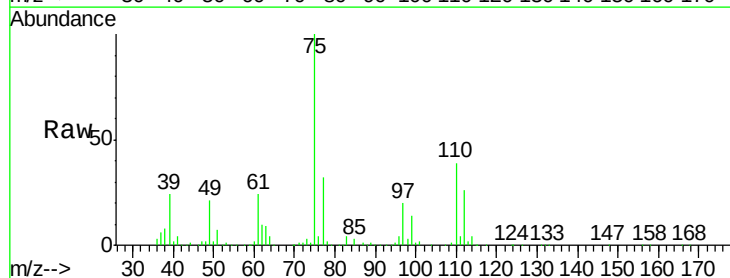
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

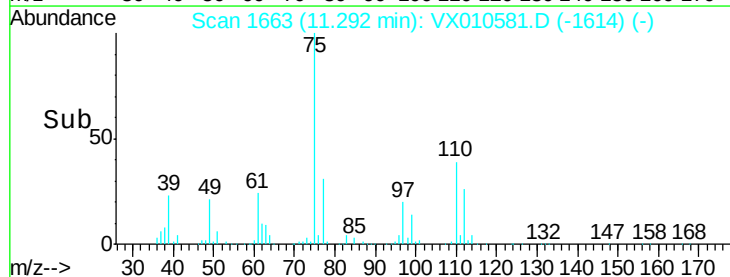
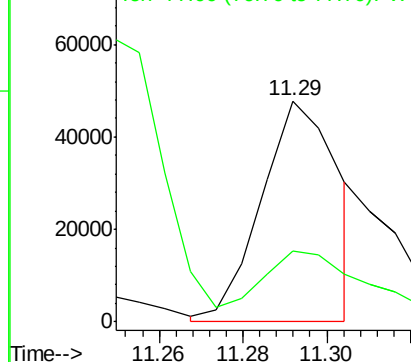
Lab File: VX010581.D

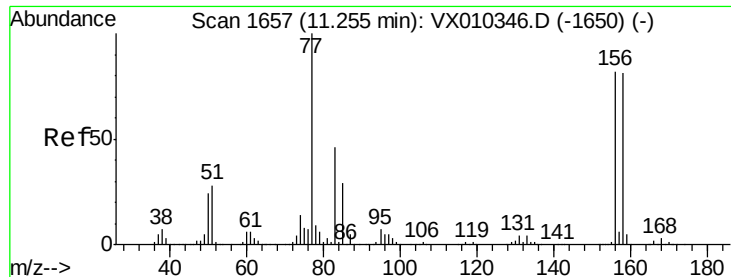
Acq: 01 Jul 2019 11:27

Tgt Ion:	75	Resp:	60742
Ion	Ratio	Lower	Upper
75	100		
77	45.2	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.287 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion:156 Resp: 60874

Ion Ratio Lower Upper

156 100

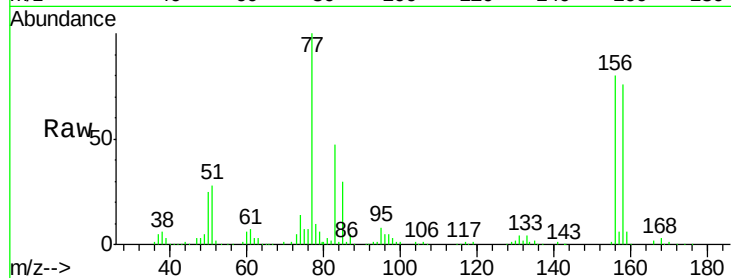
77 132.2 66.3 198.7

158 96.2 48.9 146.7

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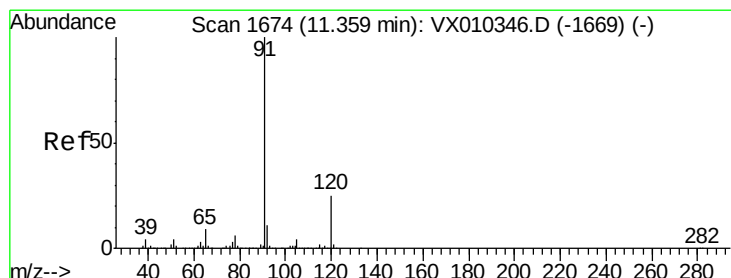
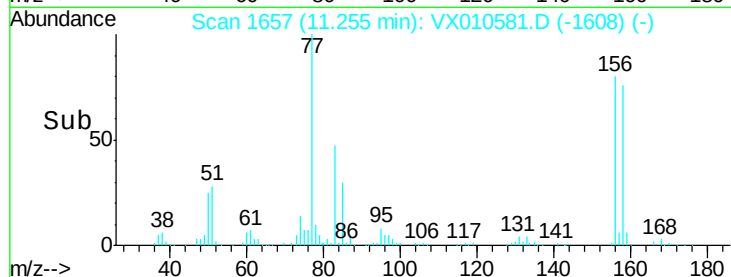
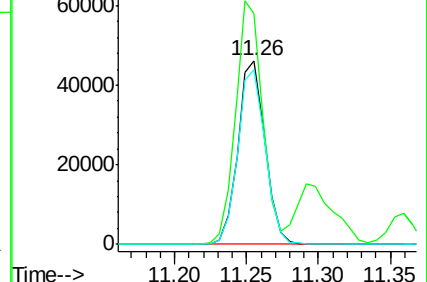
7/2/2019 9:55:06 AM



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: 19.295 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010581.D

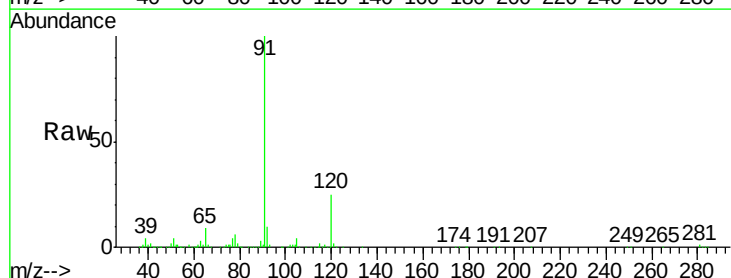
Acq: 01 Jul 2019 11:27

Tgt Ion: 91 Resp: 239709

Ion Ratio Lower Upper

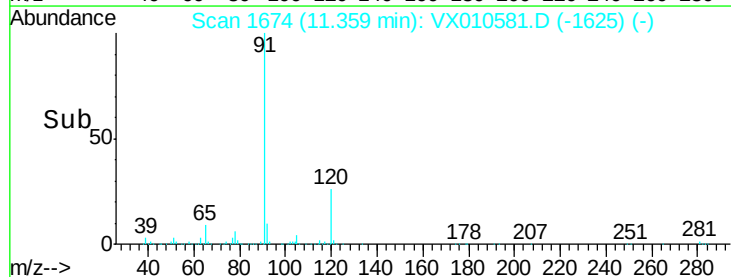
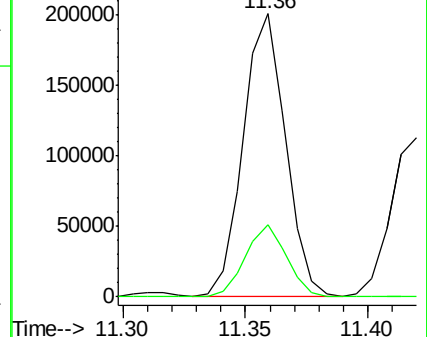
91 100

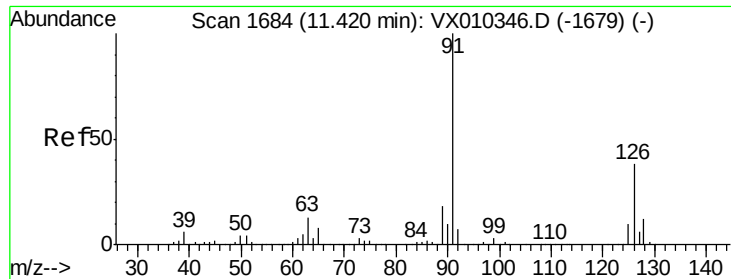
120 25.1 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





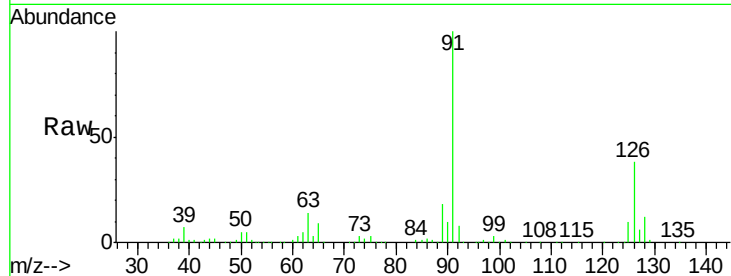
#79
2-Chlorotoluene
Concen: 19.291 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VX0701WBS01

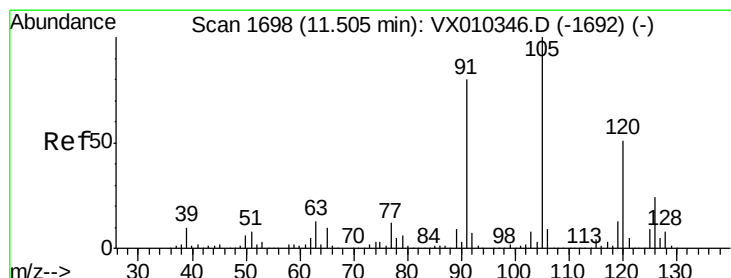
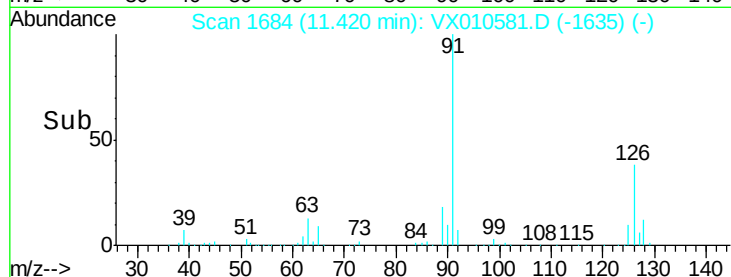
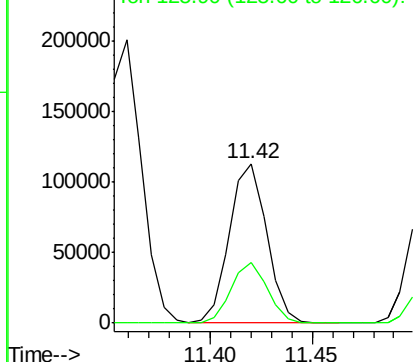
Tot Ion: 91 Resp: 142707
Ion Ratio Lower Upper
91 100
126 37.3 18.7 56.1

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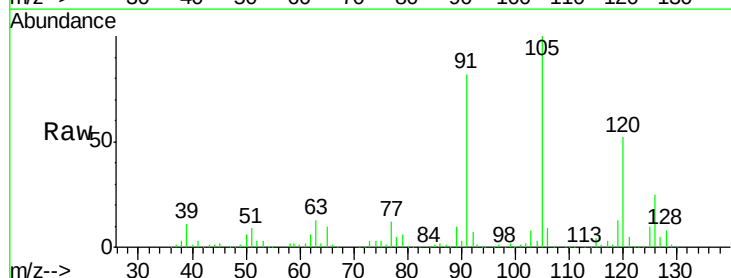


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

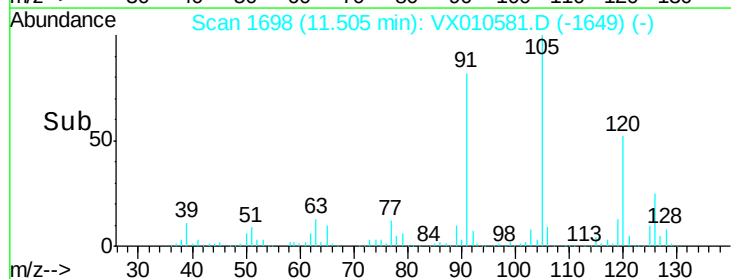
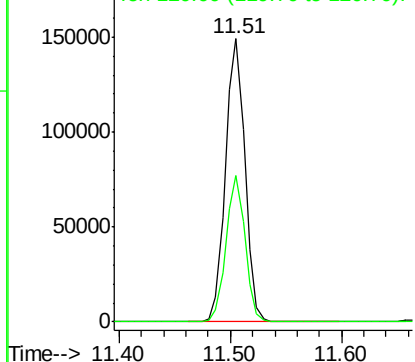


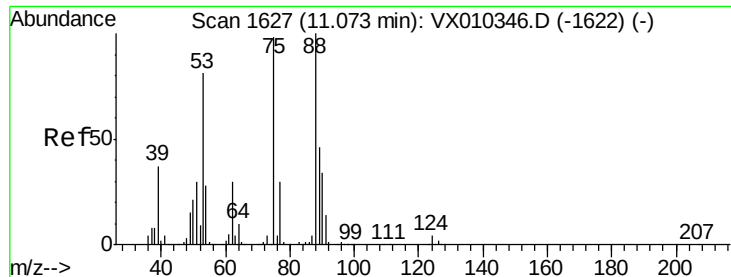
#80
1,3,5-Trimethylbenzene
Concen: 19.282 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion: 105 Resp: 179675
Ion Ratio Lower Upper
105 100
120 50.5 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





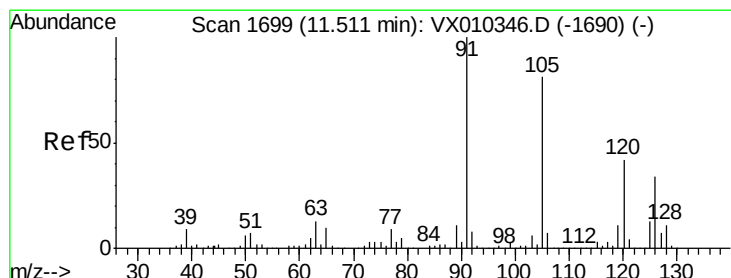
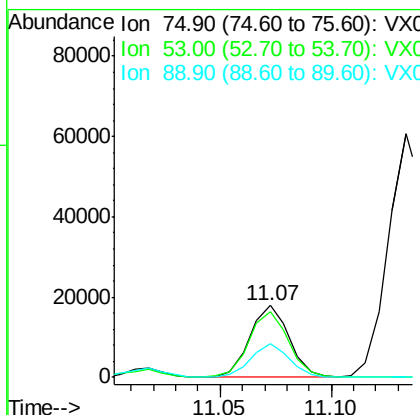
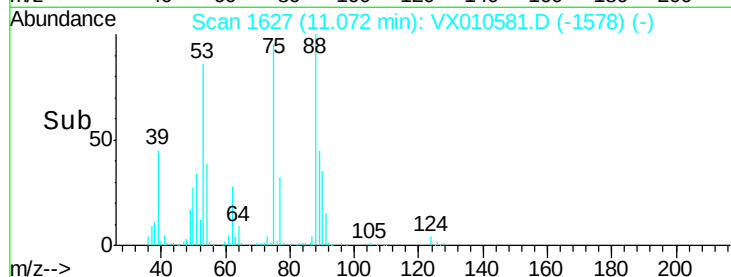
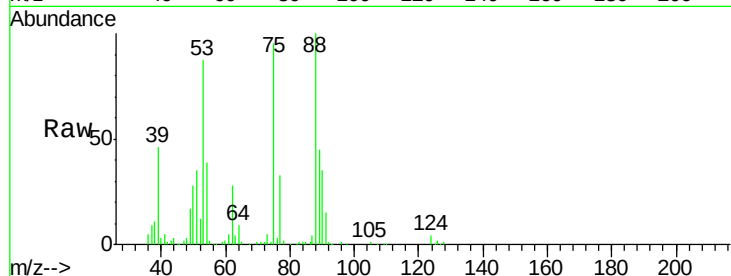
#81
trans-1,4-Dichloro-2-butene
Concen: 16.854 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	66.1	99.1
89	46.9	37.8	56.6

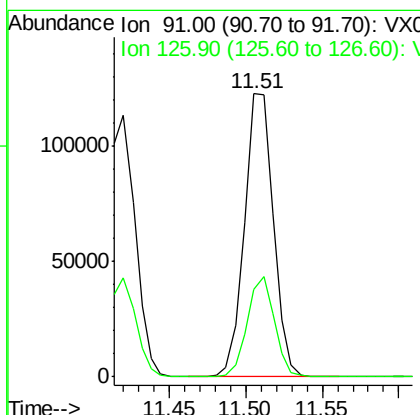
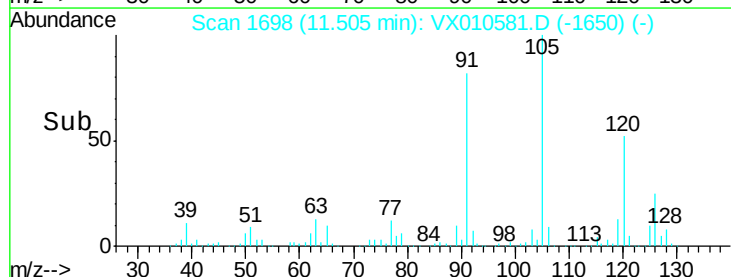
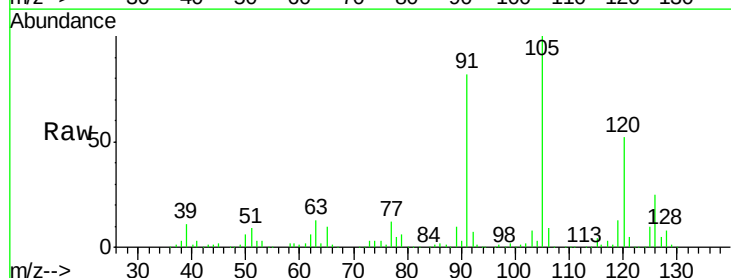
Manual Integrations
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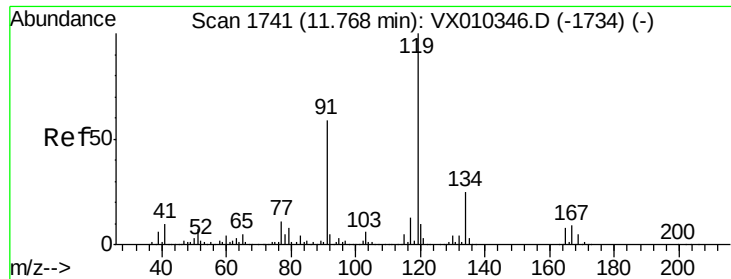
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.104 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.2	48.6





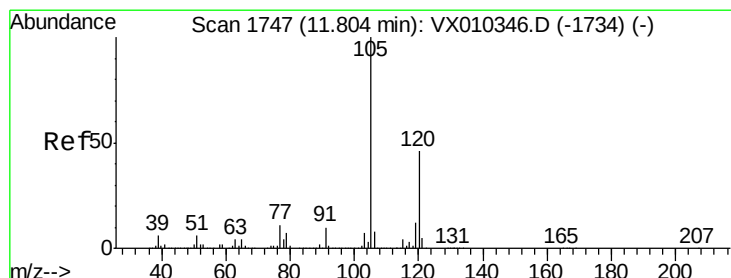
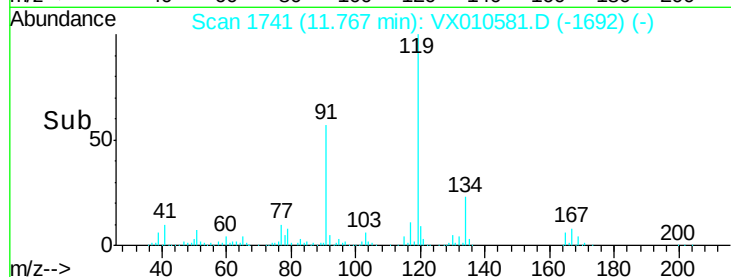
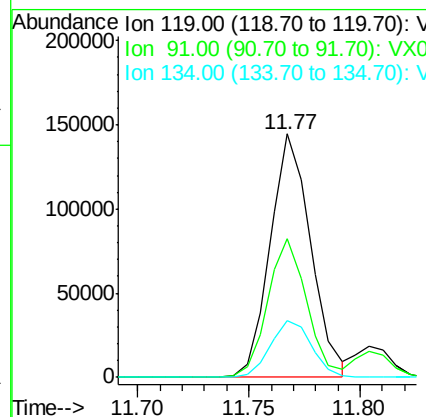
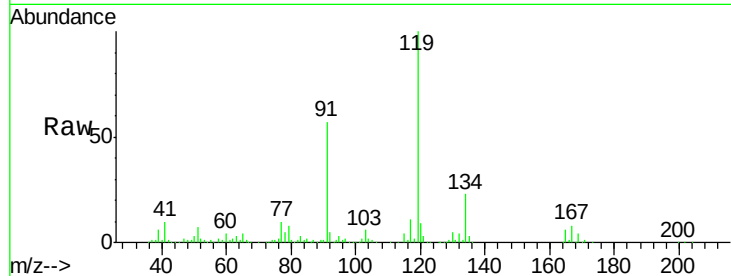
#83
 tert-Butylbenzene
 Concen: 19.576 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	183088		
91	54.8	27.6	82.7	
134	23.6	11.8	35.4	

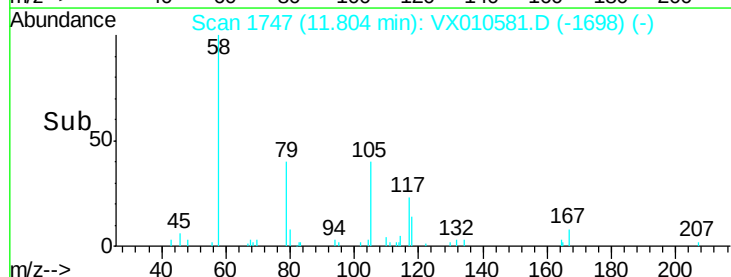
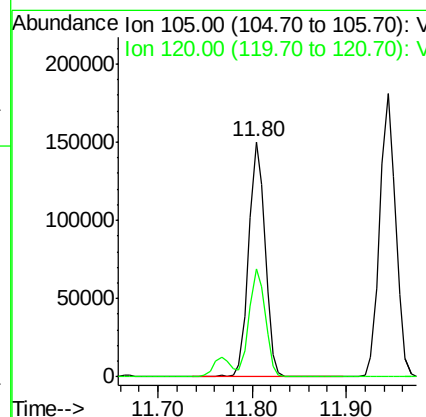
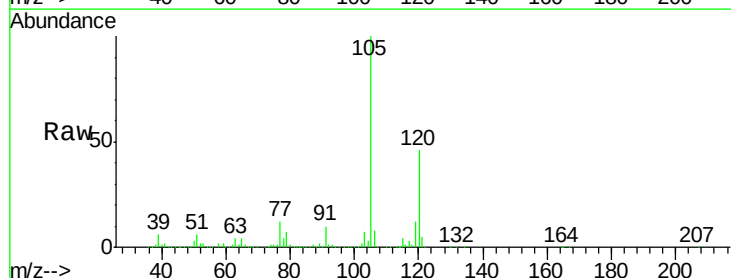
Manual Integrations
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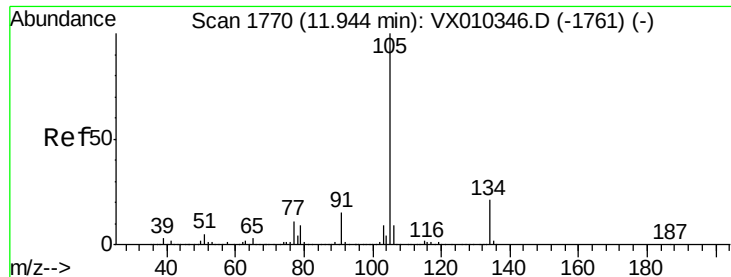
MMDadoda
 7/2/2019 9:55:06 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.464 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182224		
120	45.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.480 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBS01

Tot Ion:105 Resp: 213920

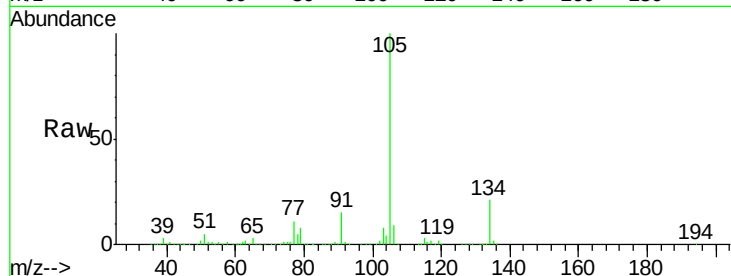
Ion Ratio Lower Upper

105 100

134 21.0 10.7 31.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

150000

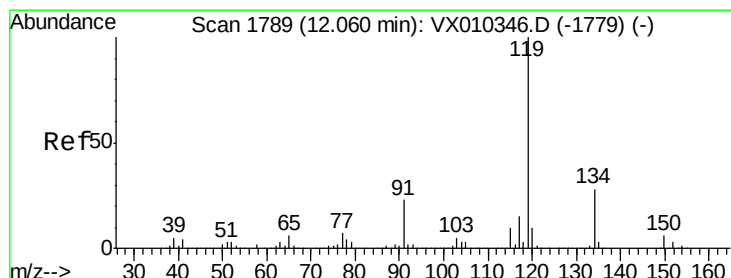
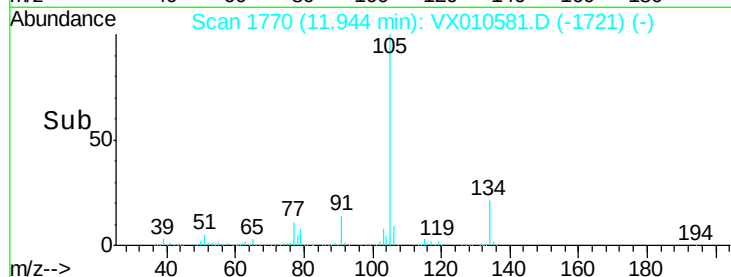
100000

50000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 19.244 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

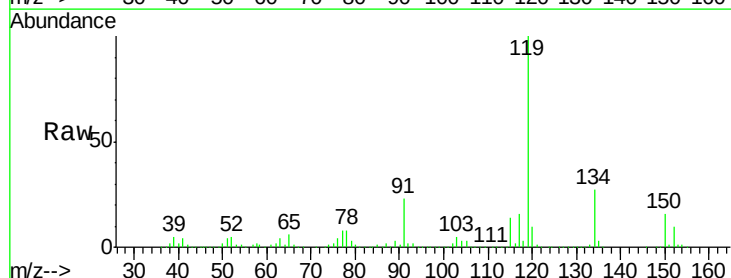
Tgt Ion:119 Resp: 195466

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

91 22.4 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

200000

150000

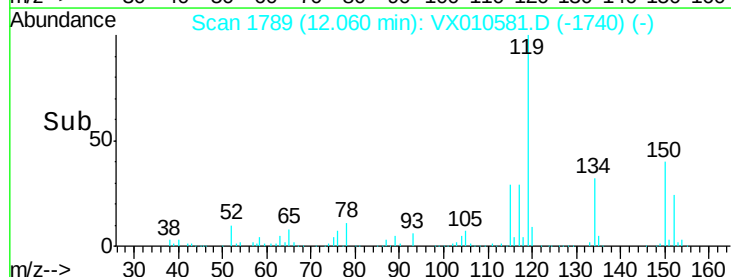
100000

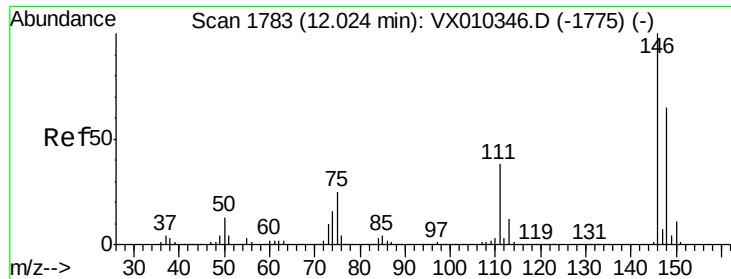
50000

0

Time-->

12.00 12.10





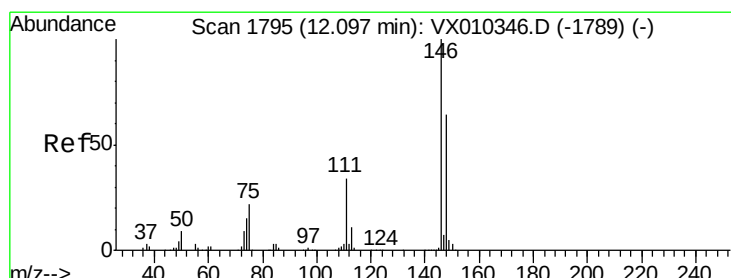
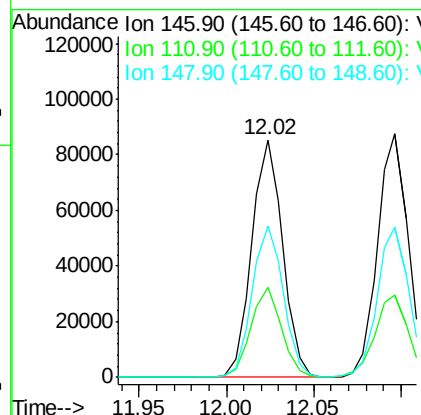
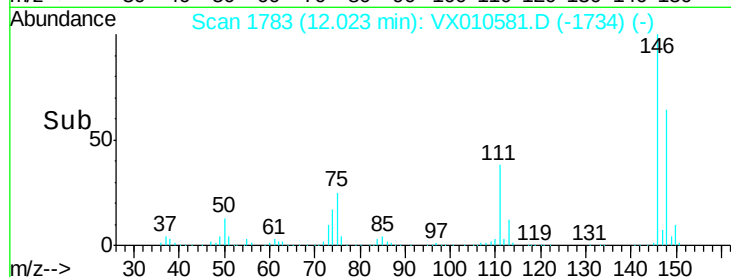
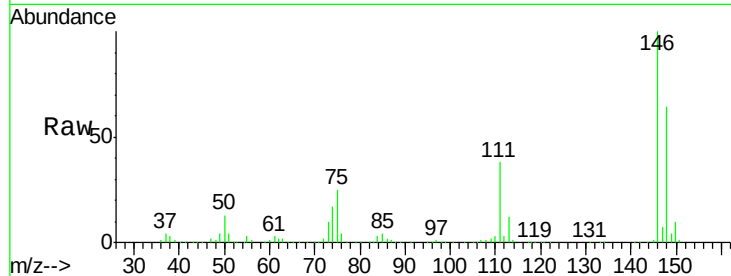
#87
 1,3-Dichlorobenzene
 Concen: 19.082 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.1
148	64.1	32.5	97.4

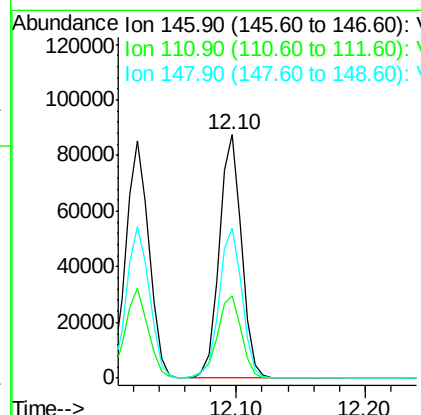
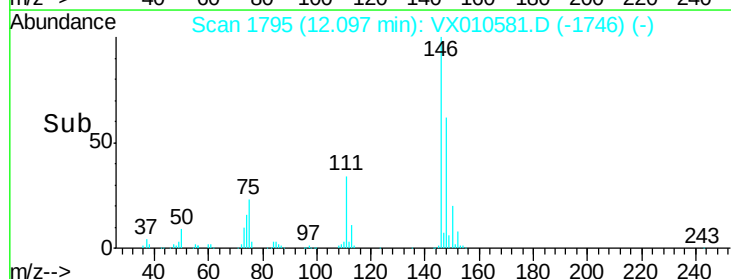
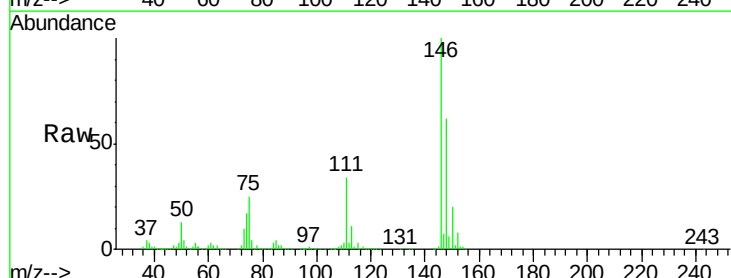
Manual Integrations
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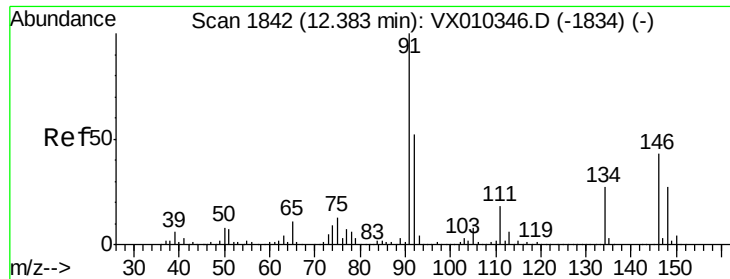
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 7/2/2019 9:55:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.954 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.3
148	63.7	32.1	96.3





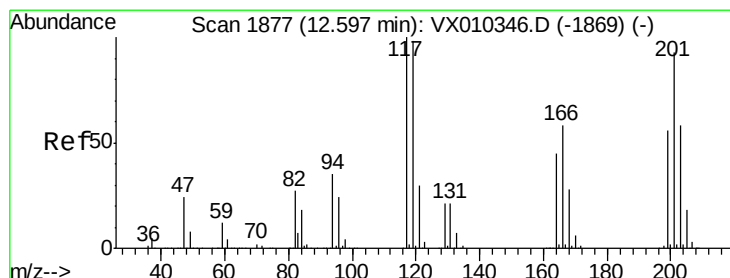
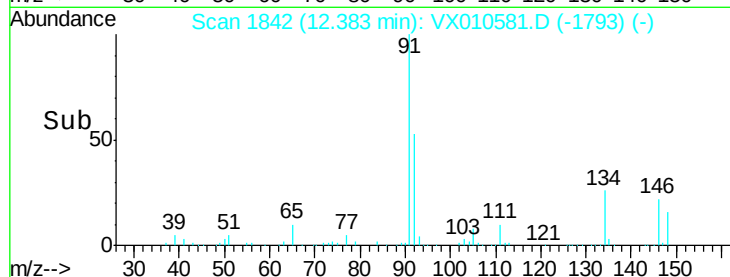
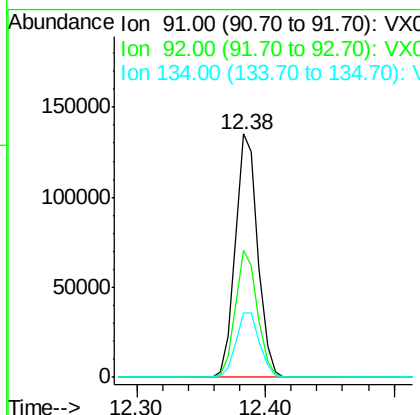
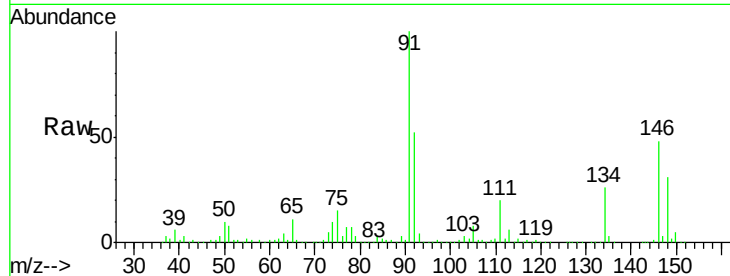
#89
n-Butylbenzene
Concen: 19.003 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.2	78.5
134	28.0	14.1	42.4

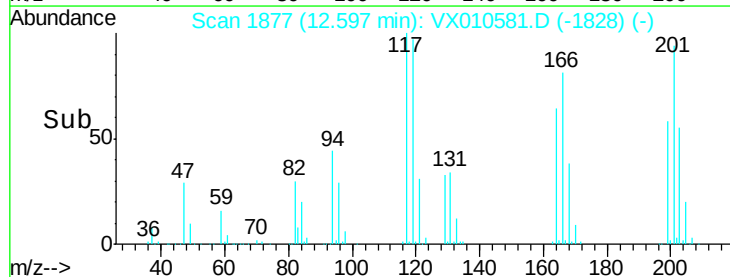
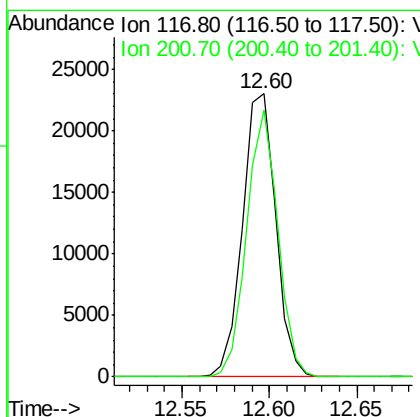
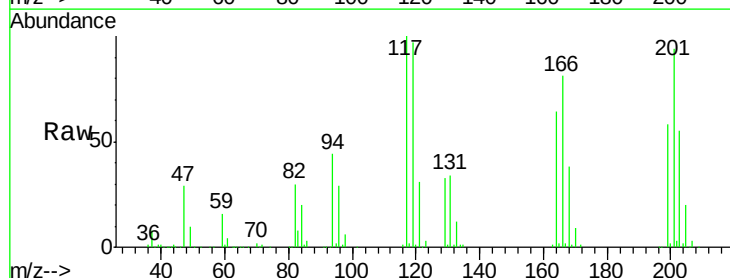
Manual Integrations
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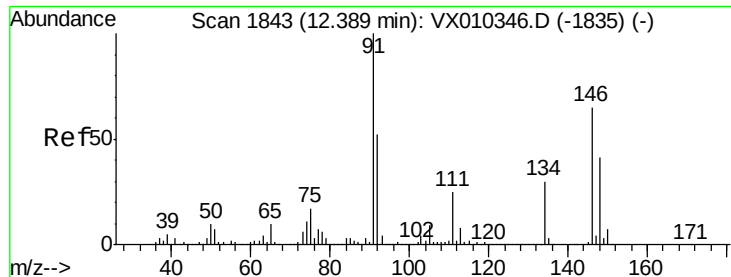
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#90
Hexachloroethane
Concen: 17.335 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	44.0	131.8





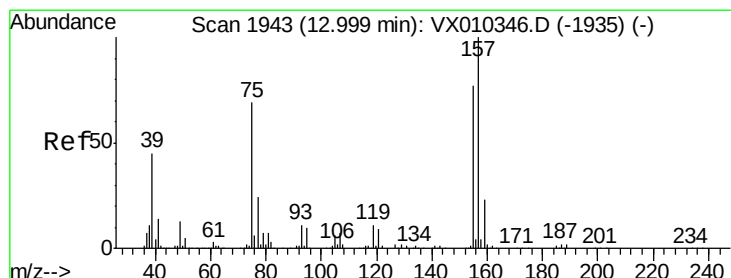
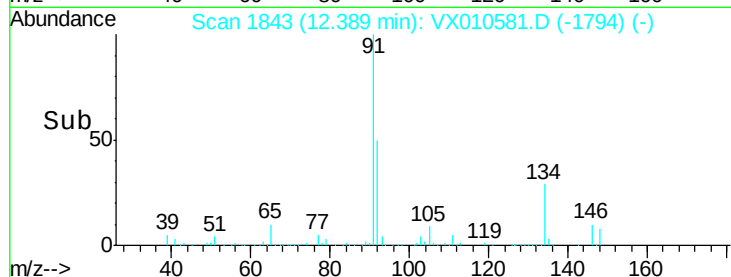
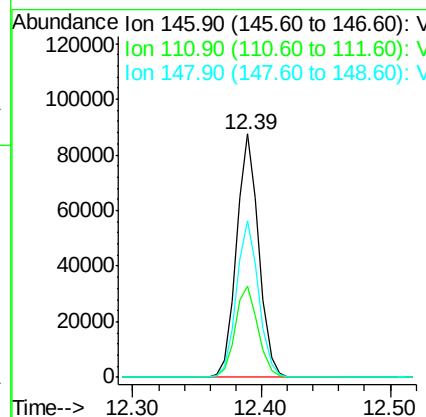
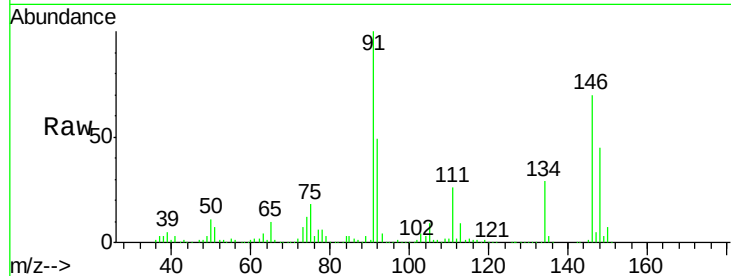
#91
1,2-Dichlorobenzene
Concen: 19.279 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.5	19.2	57.6	
148	64.2	32.0	96.0	

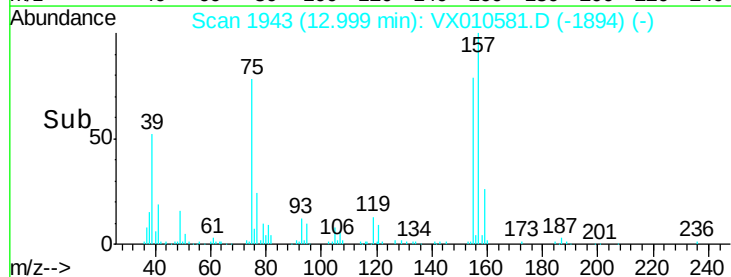
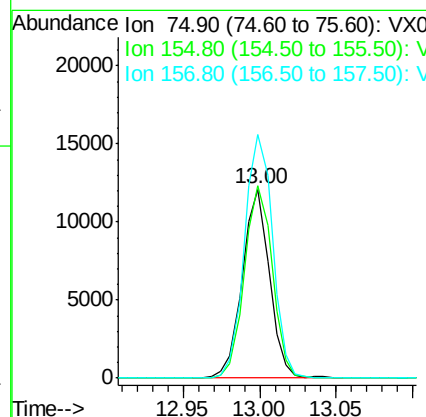
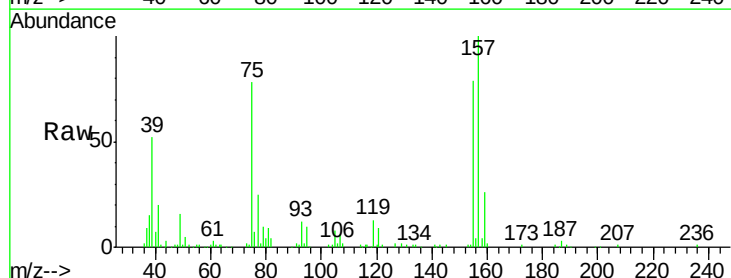
Manual Integrations
APPROVED

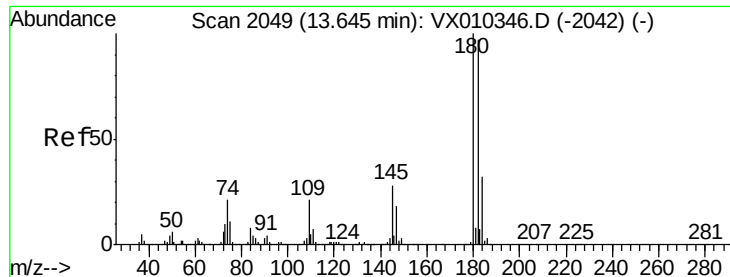
MMDadoda
7/2/2019 9:55:06 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.513 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX010581.D
Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	104.1	54.4	163.1	
157	132.8	69.5	208.3	





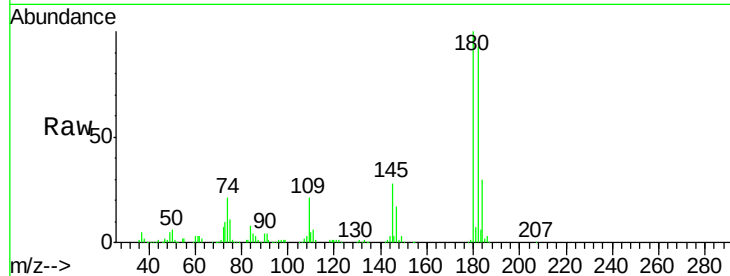
#93
 1,2,4-Trichlorobenzene
 Concen: 18.991 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	72116		
182	94.0	48.0	144.0	
145	28.7	14.4	43.4	

Manual Integrations
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MMDadoda
 7/2/2019 9:55:06 AM

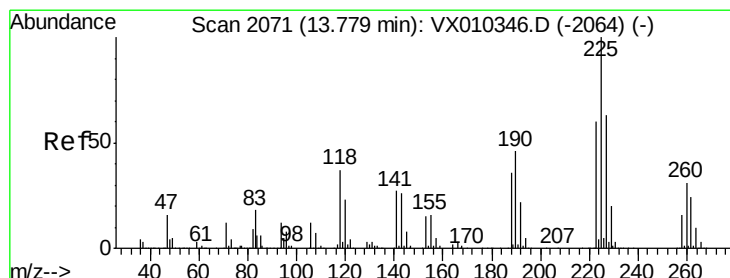
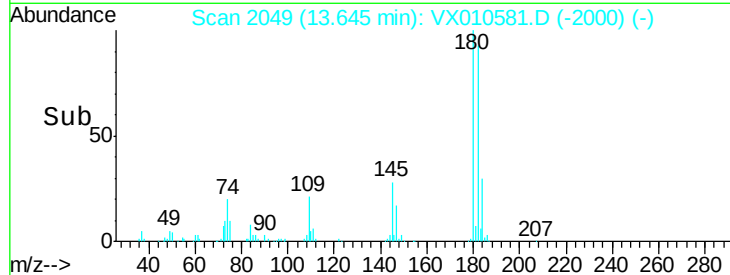
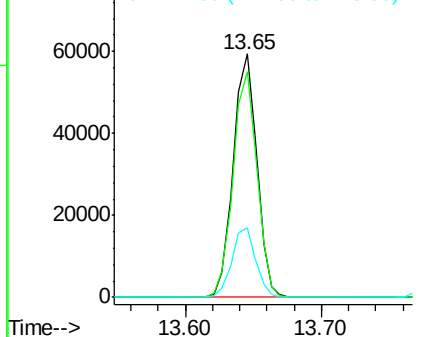


Abundance

Ion 179.80 (179.50 to 180.50): V

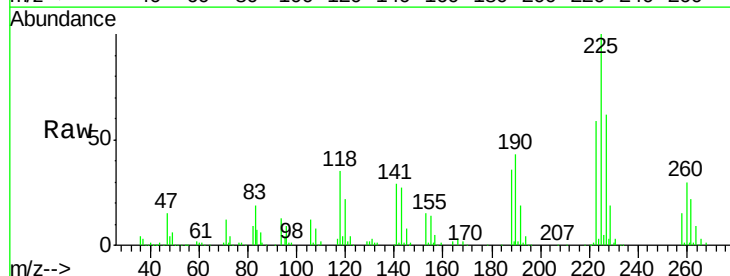
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.461 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010581.D
 Acq: 01 Jul 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36118		
223	59.7	30.9	92.7	
227	63.5	31.9	95.5	

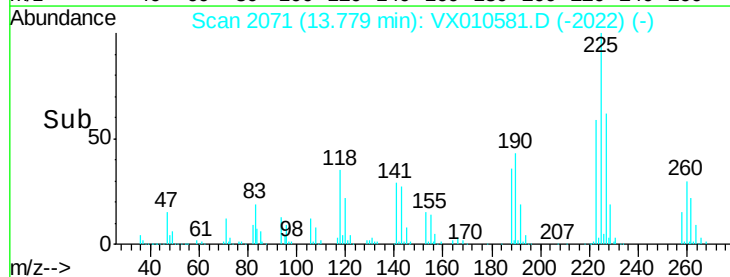
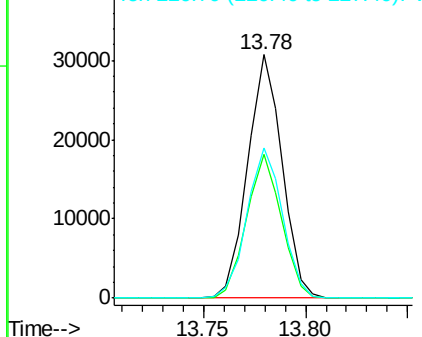


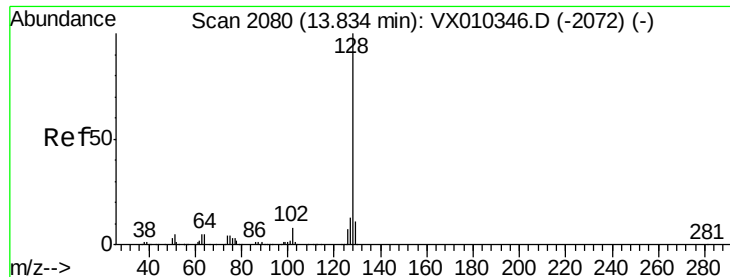
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.282 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Instrument :

MSVOA_X

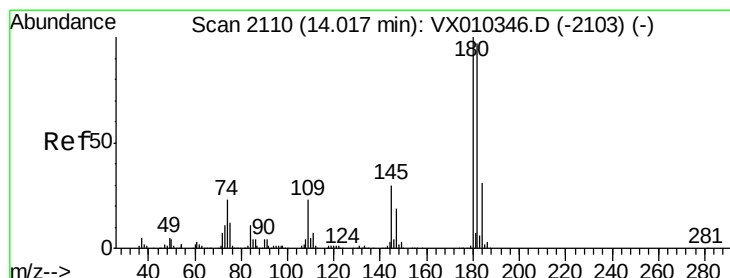
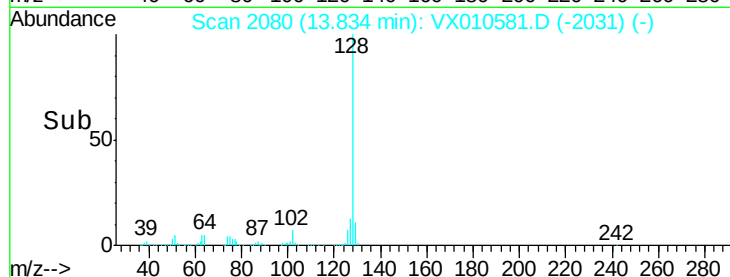
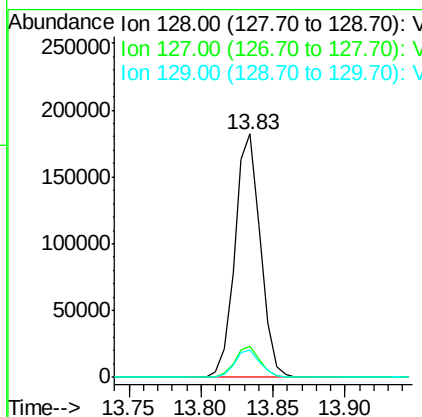
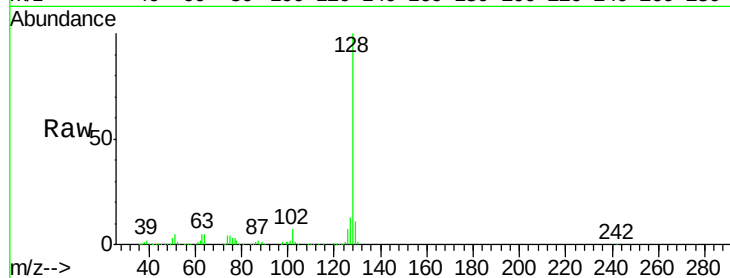
ClientSampleId :

VX0701WBS01

Tot Ion:	128	Resp:	225012
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	11.3	8.9	13.3

Manual Integrations
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7/2/2019 9:55:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.233 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010581.D

Acq: 01 Jul 2019 11:27

Tgt Ion:	180	Resp:	72616
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.8	143.3
145	31.2	15.2	45.6

