

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009860.D
 Acq On : 23 May 2019 15:54
 Operator : JC/SP
 Sample : VX0523WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:02:04 AM

Quant Time: May 24 04:31:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	186447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98085	38.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.08%	
35) Dibromofluoromethane	5.50	113	69580	36.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.90%	
50) Toluene-d8	8.71	98	286821	37.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.46%	
62) 4-Bromofluorobenzene	11.13	95	102125	36.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	26924	15.670	ug/l	96
3) Chloromethane	1.32	50	42476	18.108	ug/l	99
4) Vinyl Chloride	1.41	62	39675	17.345	ug/l	98
5) Bromomethane	1.64	94	23978	17.465	ug/l	95
6) Chloroethane	1.72	64	25067	17.069	ug/l	97
7) Trichlorofluoromethane	1.93	101	46991	16.901	ug/l	96
8) Diethyl Ether	2.19	74	22384	16.996	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	28878	16.539	ug/l	100
10) Methyl Iodide	2.51	142	30865	18.410	ug/l	98
11) Tert butyl alcohol	3.05	59	52757	89.547	ug/l	99
12) 1,1-Dichloroethene	2.37	96	29351	16.778	ug/l	98
13) Acrolein	2.29	56	37254	69.822	ug/l	100
14) Allyl chloride	2.73	41	72814	17.079	ug/l	98
15) Acrylonitrile	3.14	53	125627	87.209	ug/l	100
16) Acetone	2.45	43	115028	84.166	ug/l	97
17) Carbon Disulfide	2.57	76	83654	17.032	ug/l	99
18) Methyl Acetate	2.78	43	54577	16.792	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	114675	16.880	ug/l	100
20) Methylene Chloride	2.85	84	36362	16.432	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	32150	16.946	ug/l	99
22) Diisopropyl ether	3.85	45	143870	17.548	ug/l	92
23) Vinyl Acetate	3.81	43	638800	90.987	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67629	16.721	ug/l	99
25) 2-Butanone	4.67	43	187434	88.255	ug/l	96
26) 2,2-Dichloropropane	4.59	77	45238	15.026	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	38224	16.879	ug/l	99
28) Bromochloromethane	5.02	49	32211	18.031	ug/l	95
29) Tetrahydrofuran	5.13	42	125130	91.560	ug/l	97
30) Chloroform	5.21	83	61972	16.941	ug/l	98
31) Cyclohexane	5.58	56	65490	17.404	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	51510	16.915	ug/l	98
36) 1,1-Dichloropropene	5.80	75	46702	16.776	ug/l	100
37) Ethyl Acetate	4.84	43	70936	18.288	ug/l	99
38) Carbon Tetrachloride	5.79	117	41077	16.240	ug/l	99

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 Data File : VX009860.D
 Acq On : 23 May 2019 15:54
 Operator : JC/SP
 Sample : VX0523WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0523WBSD01

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: May 24 04:31:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	58111	16.997	ug/l	97
40) Benzene	6.14	78	145524	16.891	ug/l	98
41) Methacrylonitrile	5.04	41	40095	17.365	ug/l	98
42) 1,2-Dichloroethane	6.20	62	54561	17.654	ug/l	99
43) Isopropyl Acetate	6.45	43	109867	17.708	ug/l	99
44) Trichloroethene	7.21	130	33875	16.264	ug/l	95
45) 1,2-Dichloropropane	7.51	63	42018	17.223	ug/l	99
46) Dibromomethane	7.66	93	23508	16.593	ug/l	99
47) Bromodichloromethane	7.90	83	46010	16.281	ug/l	99
48) Methyl methacrylate	7.77	41	55566	18.052	ug/l	97
49) 1,4-Dioxane	7.74	88	20830	333.685	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	372524	91.861	ug/l	98
52) Toluene	8.79	92	89169	17.026	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52565	16.475	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	58590	16.591	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	35117	16.435	ug/l	96
56) Ethyl methacrylate	9.18	69	64892	17.014	ug/l	95
57) 1,3-Dichloropropane	9.37	76	64163	17.065	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	173413	85.706	ug/l	99
59) 2-Hexanone	9.49	43	287696	90.329	ug/l	97
60) Dibromochloromethane	9.58	129	34271	16.422	ug/l	99
61) 1,2-Dibromoethane	9.67	107	36457	16.903	ug/l	100
64) Tetrachloroethene	9.34	164	32162	17.302	ug/l	97
65) Chlorobenzene	10.14	112	91233	16.830	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	32600	16.588	ug/l	99
67) Ethyl Benzene	10.25	91	169589	16.999	ug/l	100
68) m/p-Xylenes	10.36	106	123676	33.924	ug/l	97
69) o-Xylene	10.69	106	59871	16.645	ug/l	98
70) Styrene	10.71	104	103663	16.581	ug/l	98
71) Bromoform	10.85	173	25281	15.829	ug/l #	100
73) Isopropylbenzene	11.02	105	159794	16.958	ug/l	100
74) N-amyl acetate	10.90	43	98016	17.842	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	60027	17.088	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	51350m	17.084	ug/l	
77) Bromobenzene	11.26	156	39644	16.950	ug/l	99
78) n-propylbenzene	11.36	91	186269	17.309	ug/l	100
79) 2-Chlorotoluene	11.42	91	111063	16.728	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	137355	17.312	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18308	15.584	ug/l	92
82) 4-Chlorotoluene	11.51	91	127343	16.978	ug/l	100
83) tert-Butylbenzene	11.77	119	128915	16.702	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	138811	17.430	ug/l	99
85) sec-Butylbenzene	11.94	105	156184	17.068	ug/l	99
86) p-Isopropyltoluene	12.06	119	139335	16.938	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	69845	16.752	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	70716	16.823	ug/l	99
89) n-Butylbenzene	12.38	91	124917	16.801	ug/l	100
90) Hexachloroethane	12.60	117	22638	16.153	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	69851	16.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13999	17.765	ug/l	91

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Acq On : 23 May 2019 15:54
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

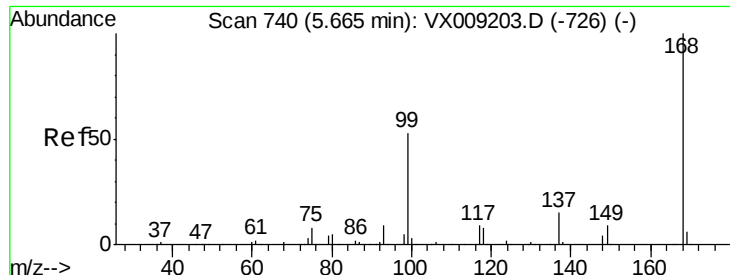
Manual Integrations
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MMDadoda
5/24/2019 9:02:04 AM

Quant Time: May 24 04:31:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	48701	16.770	ug/l	99
94) Hexachlorobutadiene	13.78	225	24900	16.791	ug/l	99
95) Naphthalene	13.83	128	156464	16.560	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	48197	16.373	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion:168 Resp: 186447

Ion Ratio Lower Upper

168 100

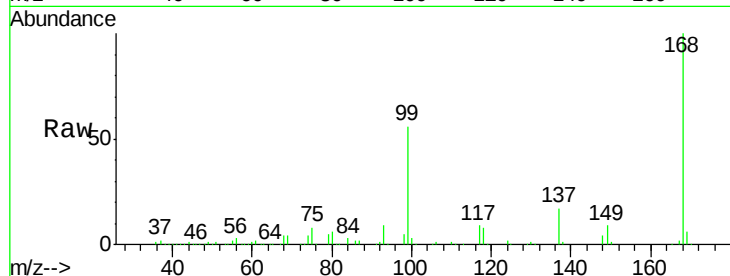
99 55.7 42.3 63.5

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

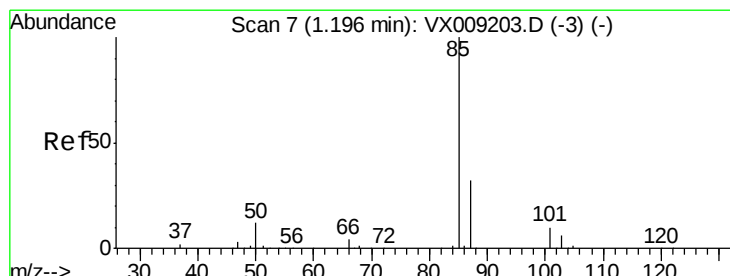
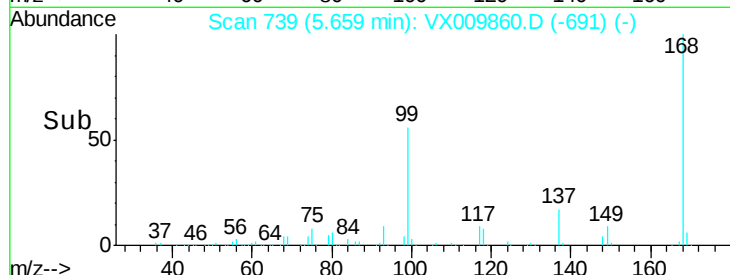
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.670 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009860.D

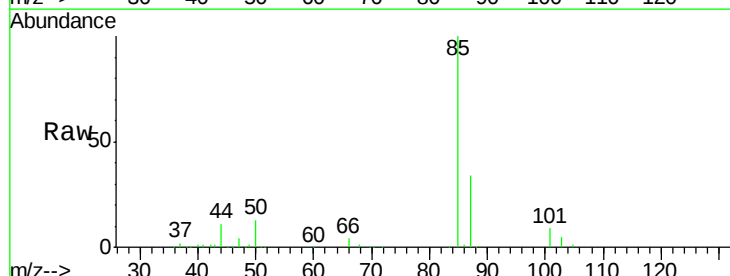
Acq: 23 May 2019 15:54

Tgt Ion: 85 Resp: 26924

Ion Ratio Lower Upper

85 100

87 34.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

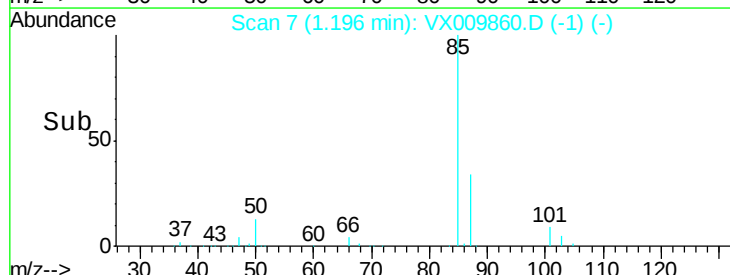
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 18.108 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 50 Resp: 42476

Ion Ratio Lower Upper

50 100

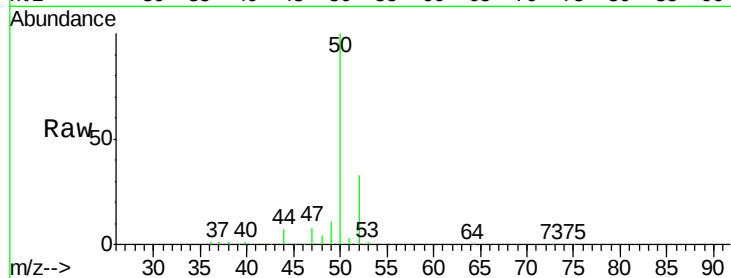
52 32.8 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

40000

30000

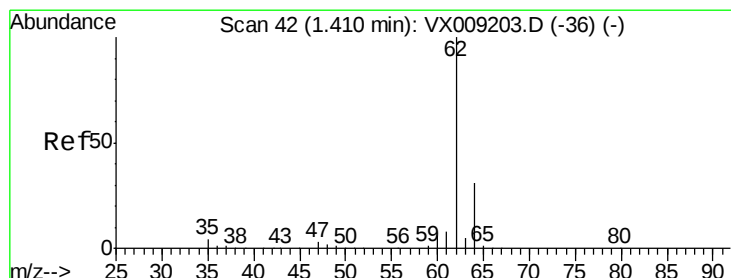
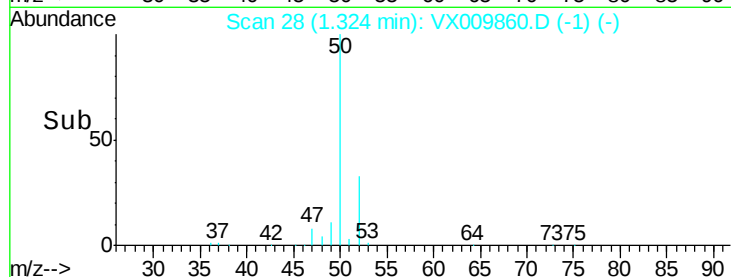
20000

10000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 17.345 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009860.D

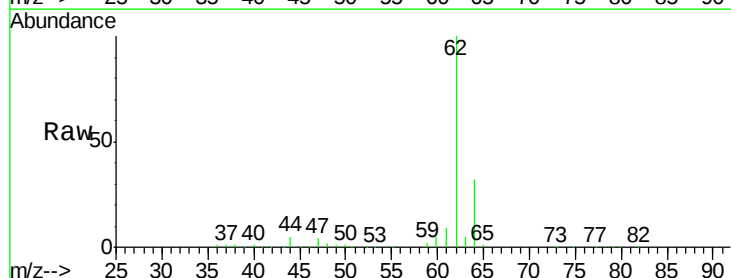
Acq: 23 May 2019 15:54

Tgt Ion: 62 Resp: 39675

Ion Ratio Lower Upper

62 100

64 31.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

40000

30000

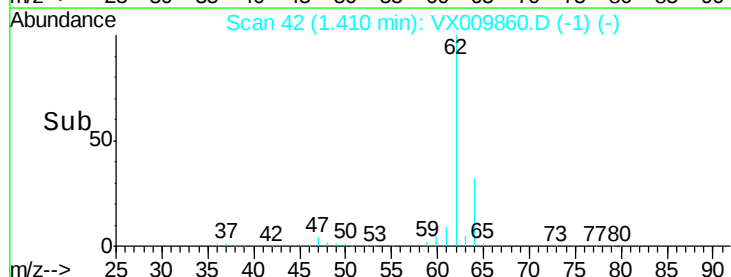
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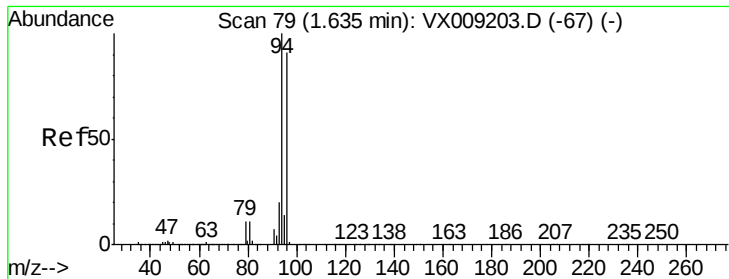
10000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 17.465 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 94 Resp: 23978

Ion Ratio Lower Upper

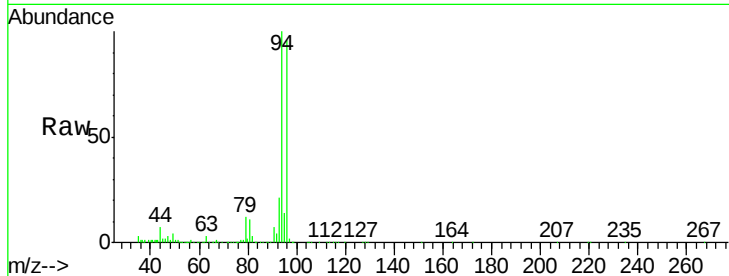
94 100

96 95.9 73.0 109.6

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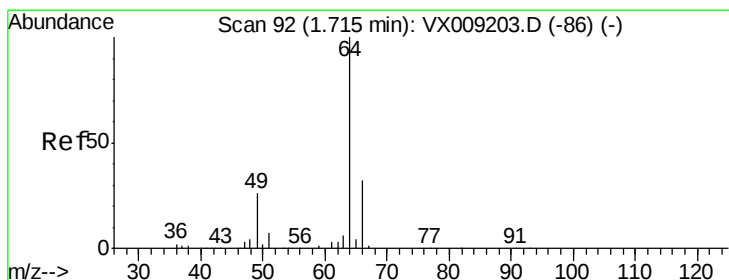
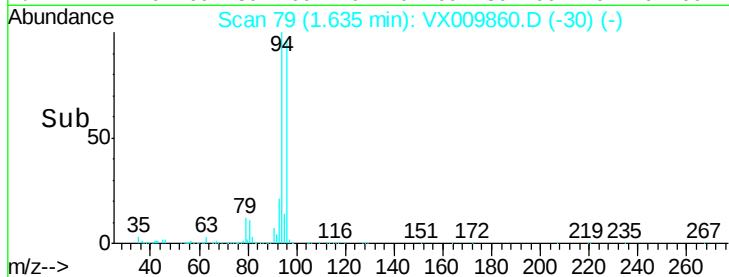
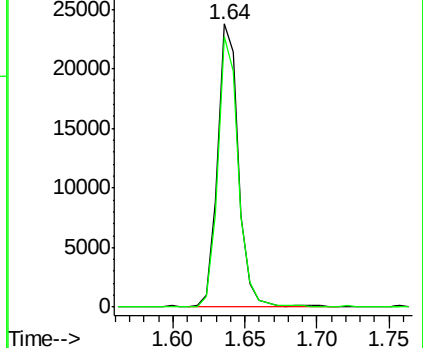
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.069 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009860.D

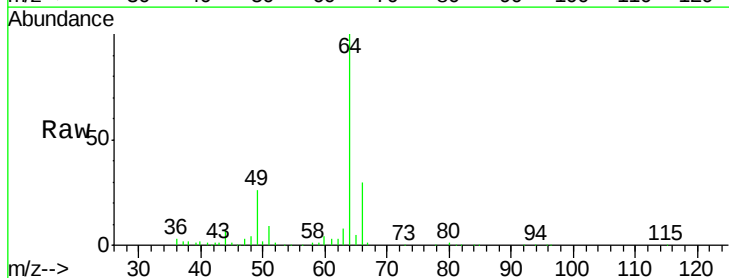
Acq: 23 May 2019 15:54

Tgt Ion: 64 Resp: 25067

Ion Ratio Lower Upper

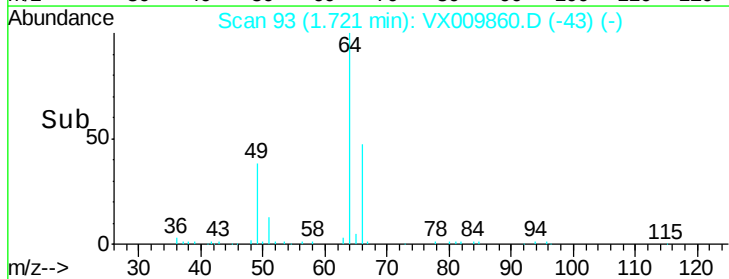
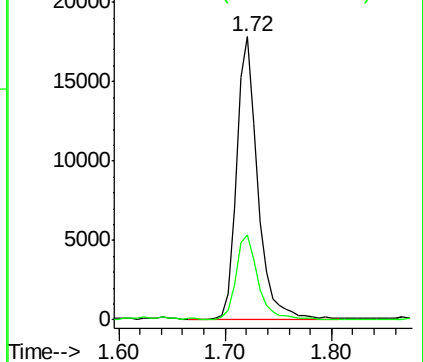
64 100

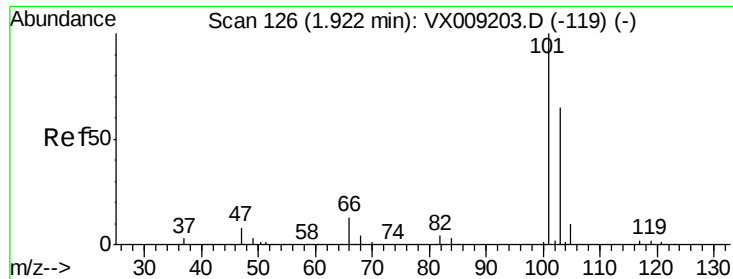
66 29.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

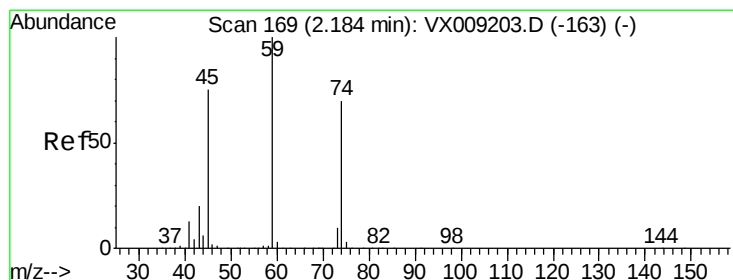
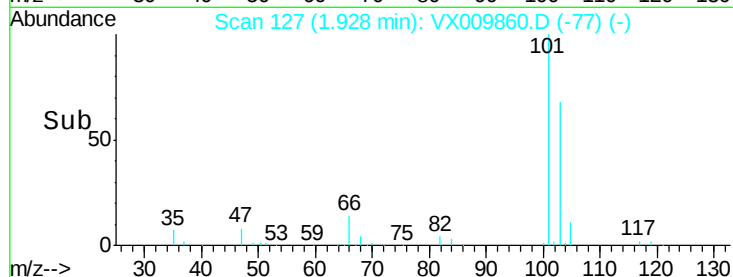
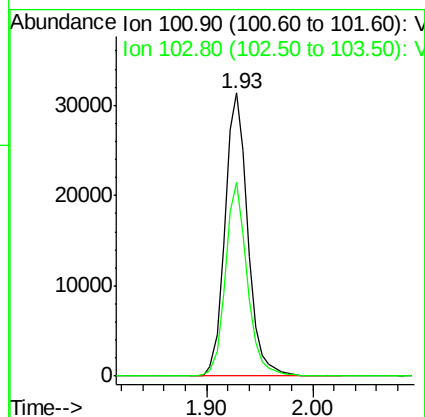
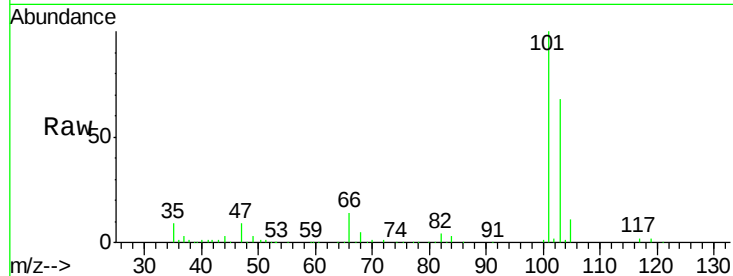
Trichlorofluoromethane
 Concen: 16.901 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion:101 Resp: 46991
 Ion Ratio Lower Upper
 101 100
 103 68.3 52.4 78.6

Manual Integrations
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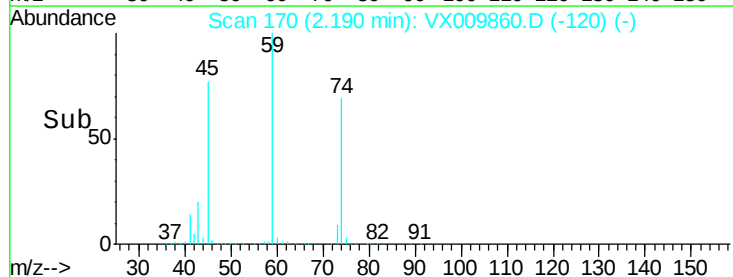
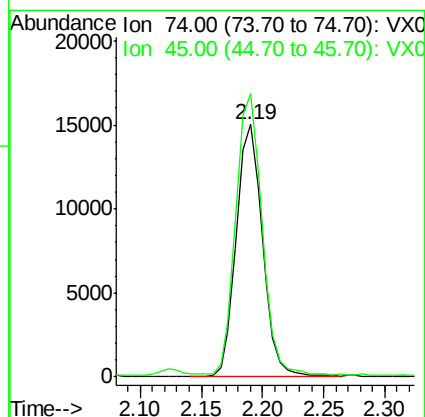
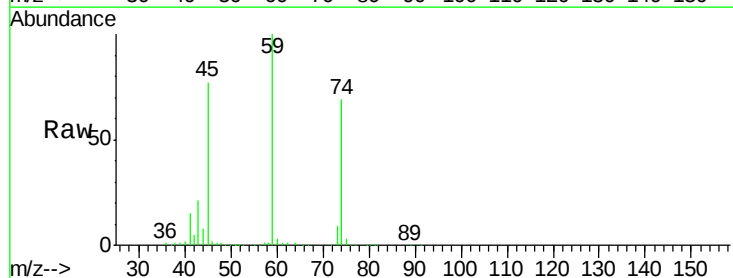
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#8

Diethyl Ether
 Concen: 16.996 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Tgt Ion: 74 Resp: 22384
 Ion Ratio Lower Upper
 74 100
 45 110.1 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.539 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion:101 Resp: 28878

Ion Ratio Lower Upper

101 100

85 44.7 35.7 53.5

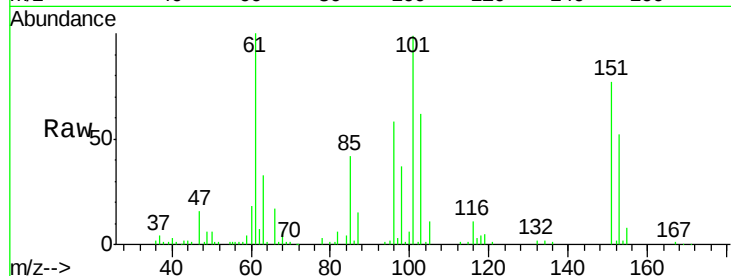
151 77.6 62.2 93.2

Manual Integrations

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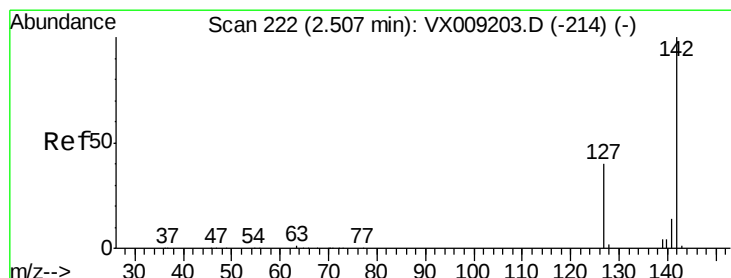
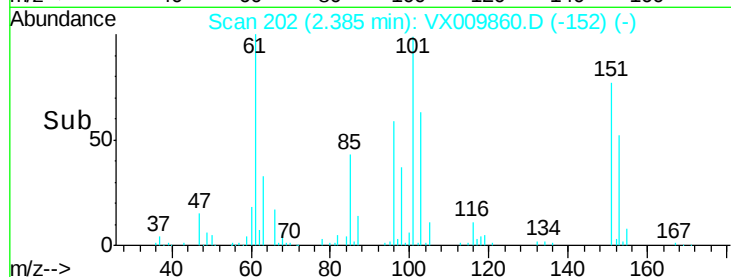
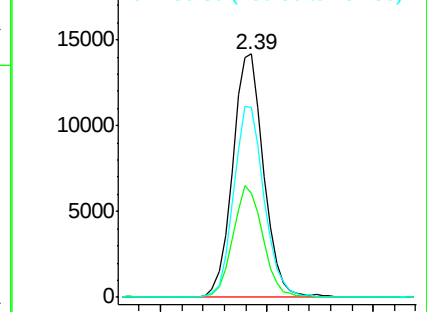
5/24/2019 9:02:04 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.410 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

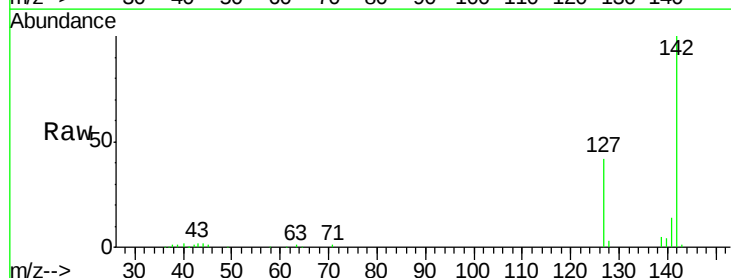
Tgt Ion:142 Resp: 30865

Ion Ratio Lower Upper

142 100

127 42.4 32.7 49.1

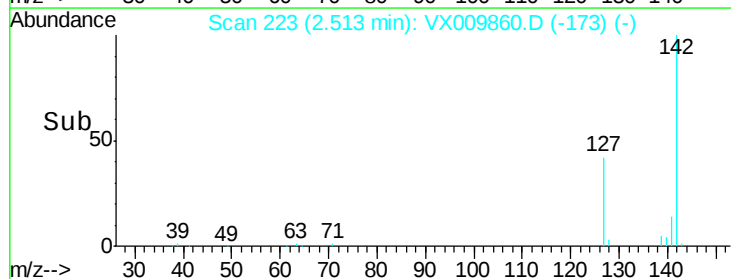
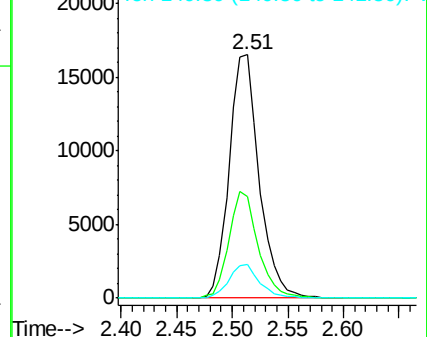
141 13.9 11.5 17.3

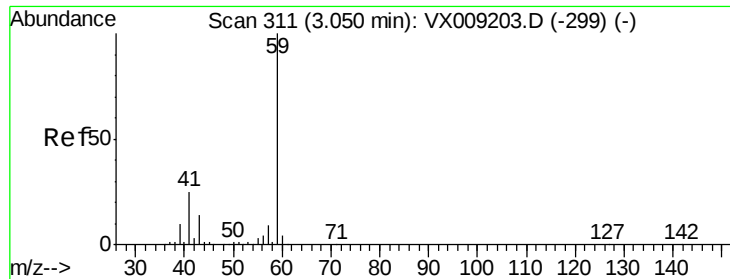


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





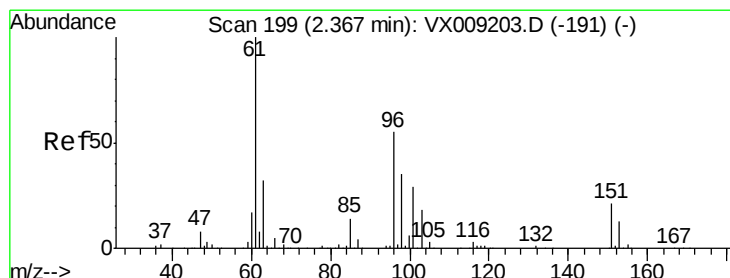
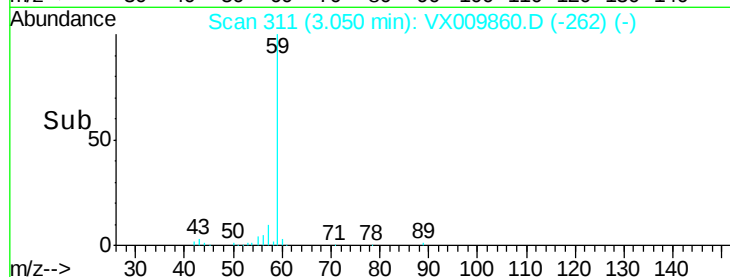
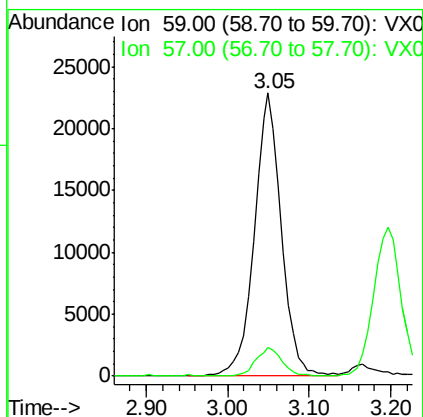
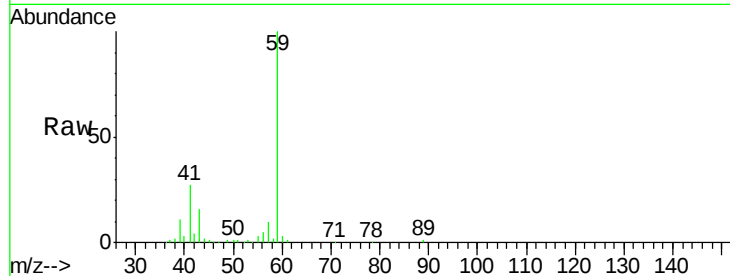
#11
Tert butyl alcohol
Concen: 89.547 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

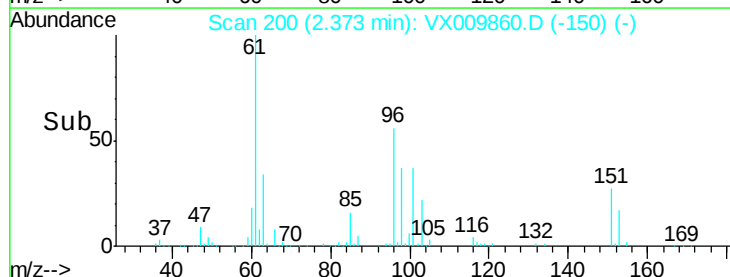
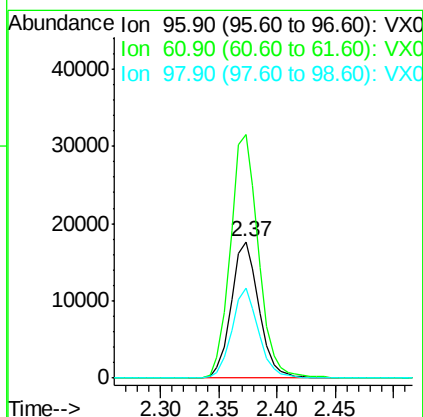
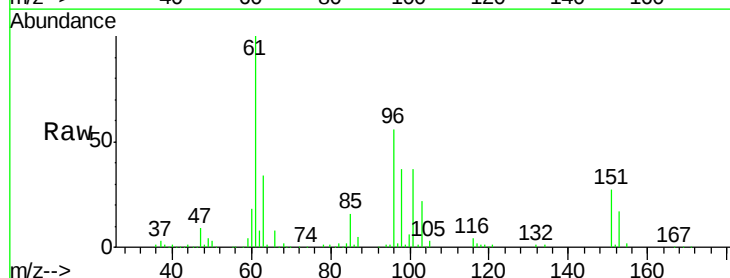
Manual Integrations
APPROVED

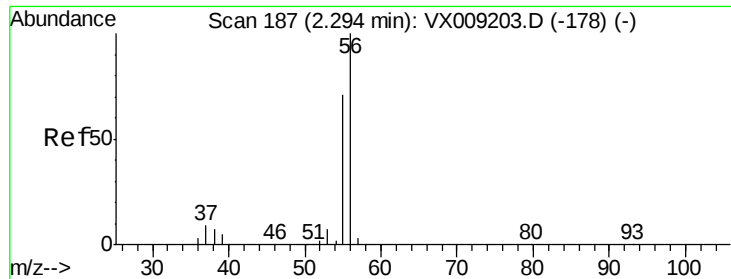
MMDadoda
5/24/2019 9:02:04 AM



#12
1,1-Dichloroethene
Concen: 16.778 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.7	144.3	216.5
98	66.0	50.3	75.5





#13

Acrolein

Concen: 69.822 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 56 Resp: 37254

Ion Ratio Lower Upper

56 100

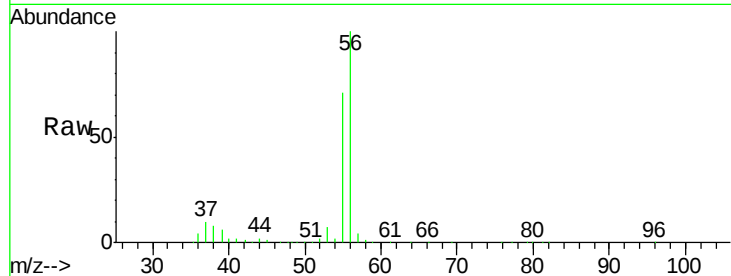
55 71.0 56.6 85.0

Manual Integrations

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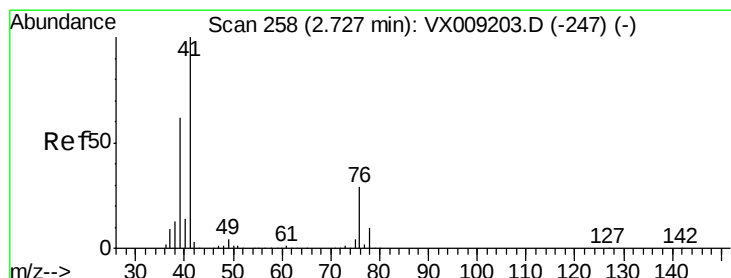
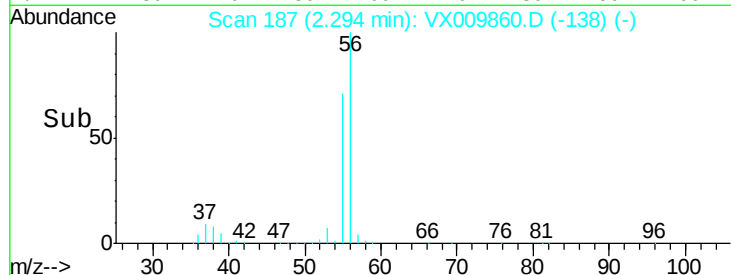
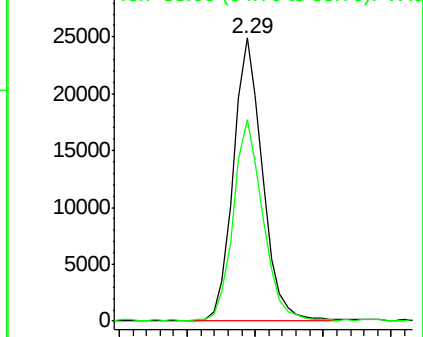
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 17.079 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

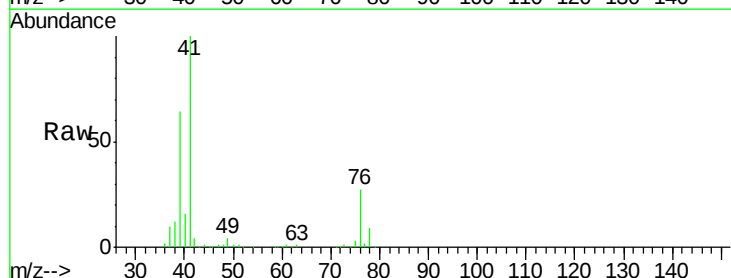
Tgt Ion: 41 Resp: 72814

Ion Ratio Lower Upper

41 100

39 59.7 46.7 70.1

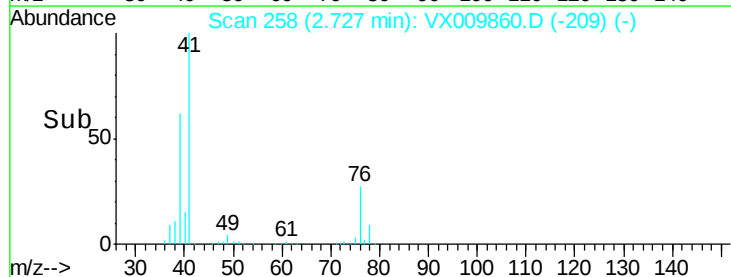
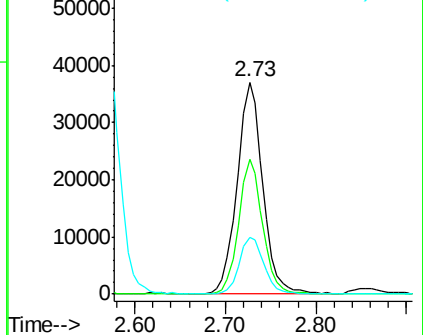
76 25.9 21.8 32.8



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: 87.209 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

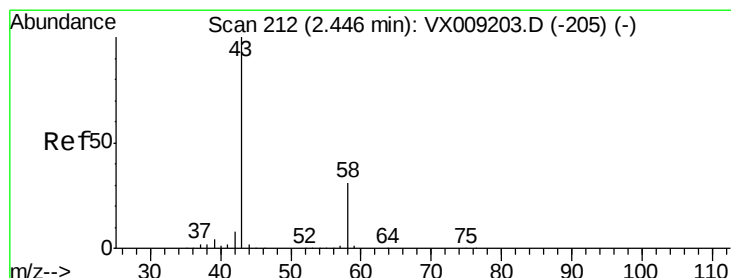
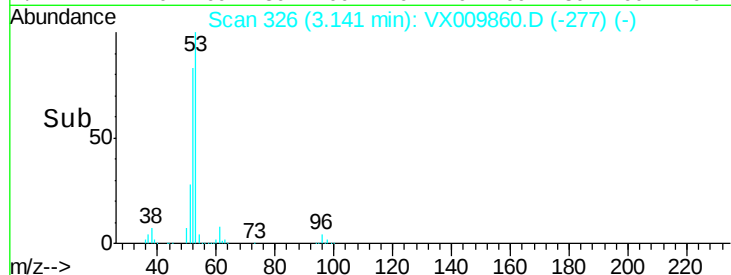
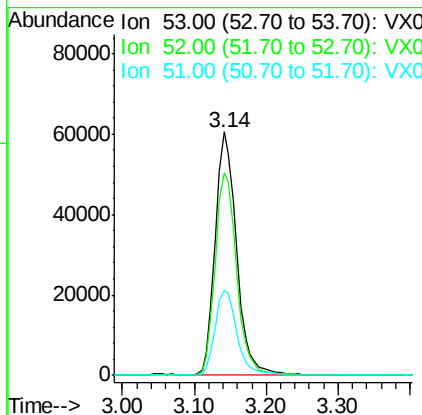
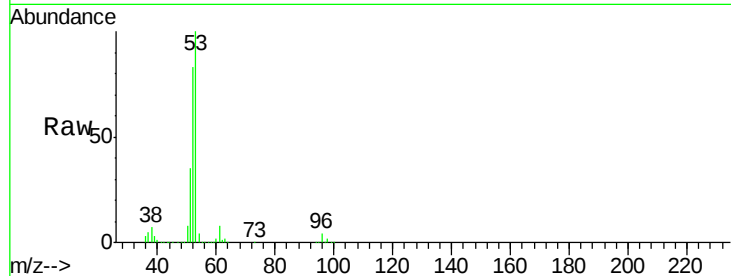
ClientSampleId :

VX0523WBSD01

Tot Ion:	53	Resp:	125627
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.9	100.3
51	35.7	28.2	42.2

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#16

Acetone

Concen: 84.166 ug/l

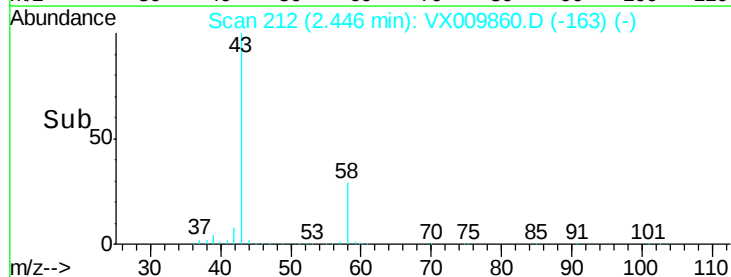
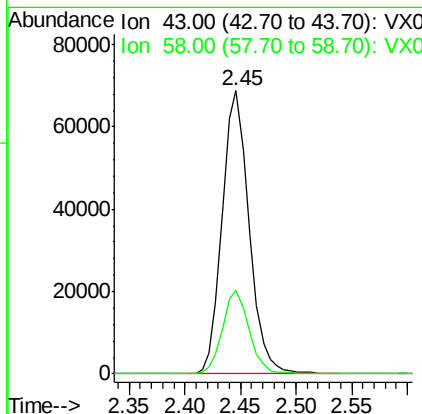
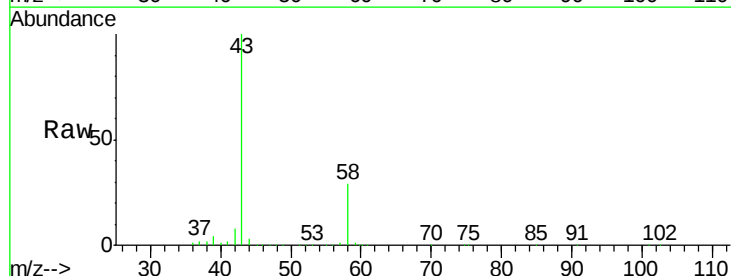
RT: 2.45 min Scan# 212

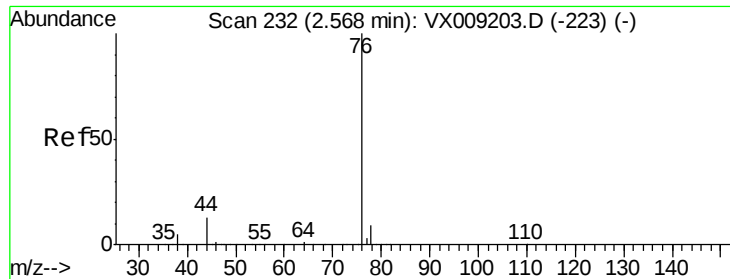
Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion:	43	Resp:	115028
Ion Ratio		Lower	Upper
43	100		
58	29.3	24.9	37.3





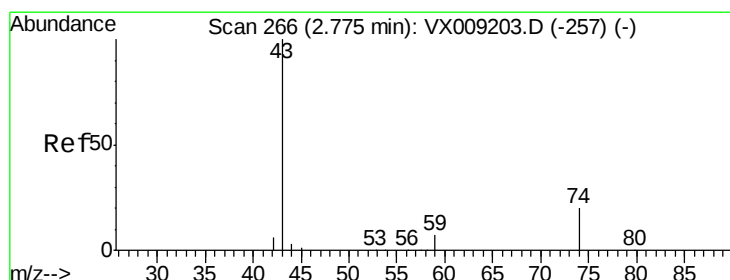
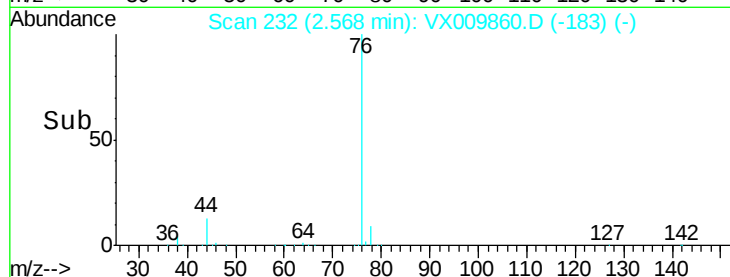
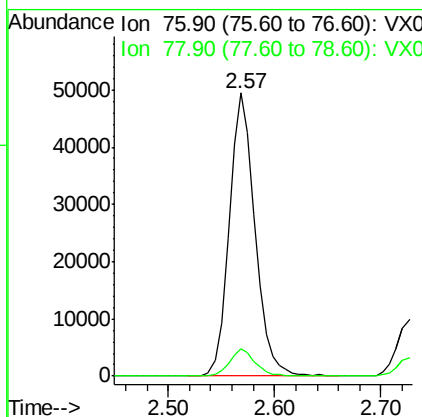
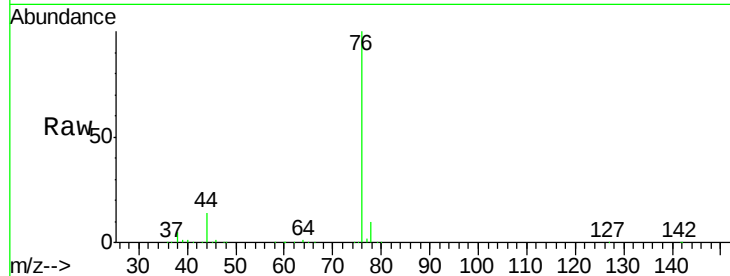
#17
Carbon Disulfide
Concen: 17.032 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion: 76 Resp: 83654
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

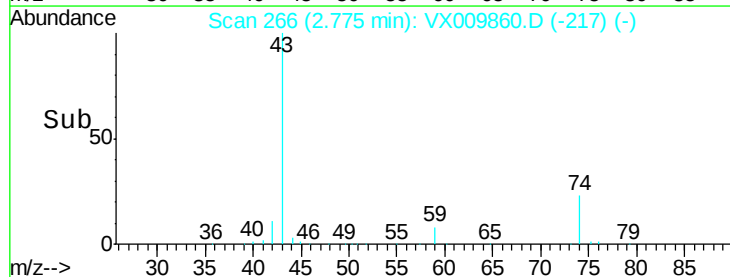
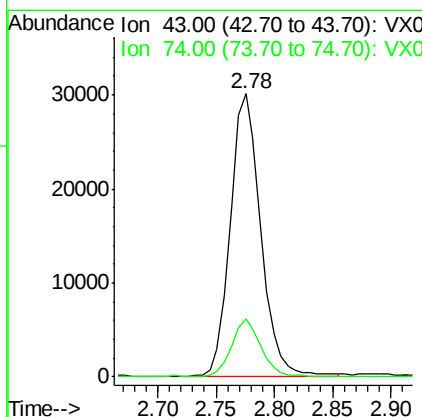
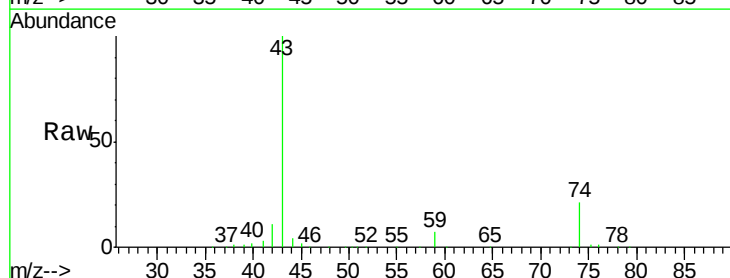
Manual Integrations
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#18
Methyl Acetate
Concen: 16.792 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 43 Resp: 54577
Ion Ratio Lower Upper
43 100
74 20.2 16.2 24.4





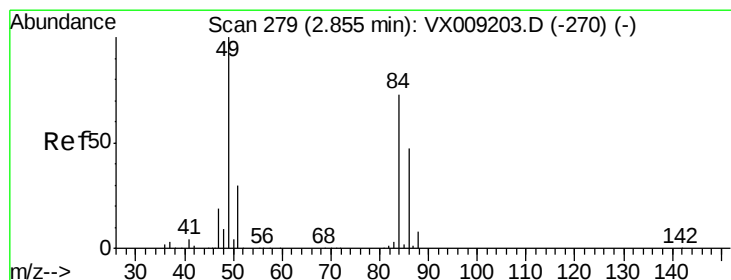
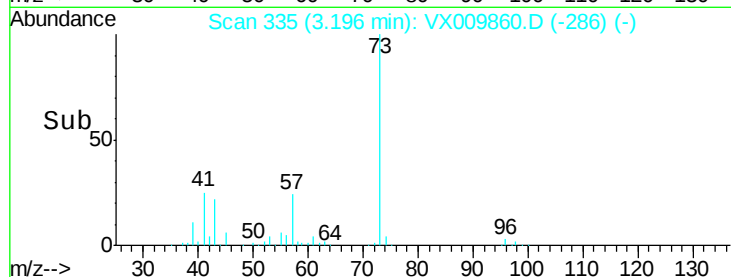
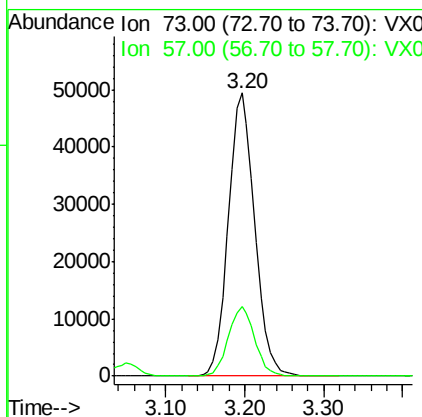
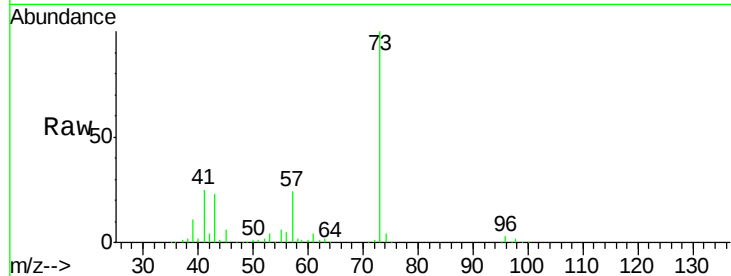
#19
Methvl tert-butvl Ether
Concen: 16.880 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion: 73 Resp: 114675
Ion Ratio Lower Upper
73 100
57 24.3 19.3 28.9

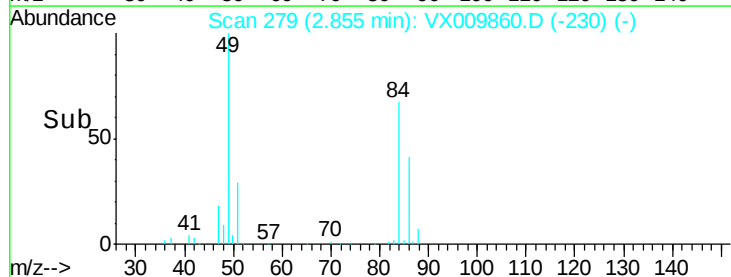
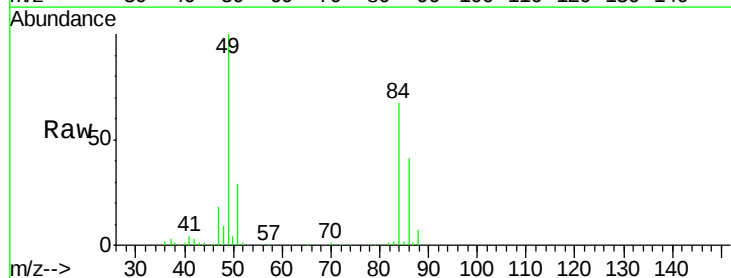
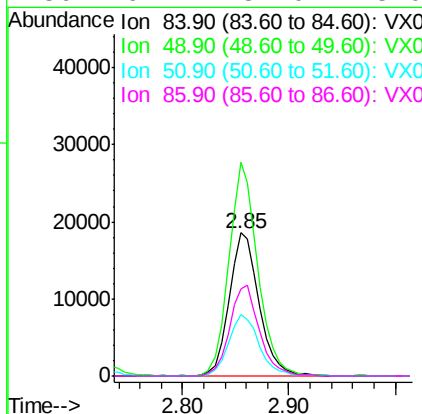
Manual Integrations
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#20
Methylene Chloride
Concen: 16.432 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 84 Resp: 36362
Ion Ratio Lower Upper
84 100
49 148.9 109.9 164.9
51 43.1 32.7 49.1
86 61.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 16.946 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampled :

VX0523WBSD01

Tot Ion: 96 Resp: 32150

Ion Ratio Lower Upper

96 100

61 154.5 124.5 186.7

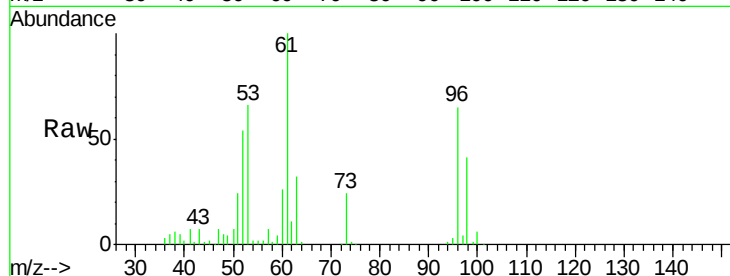
98 63.4 50.4 75.6

Manual Integrations

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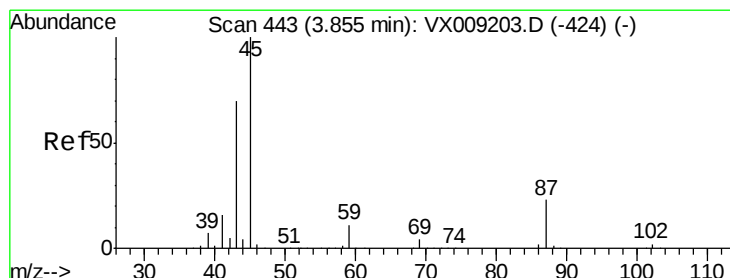
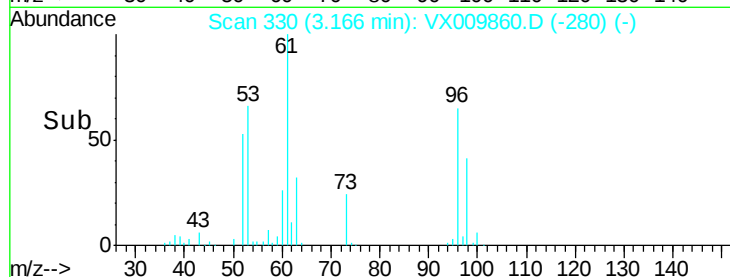
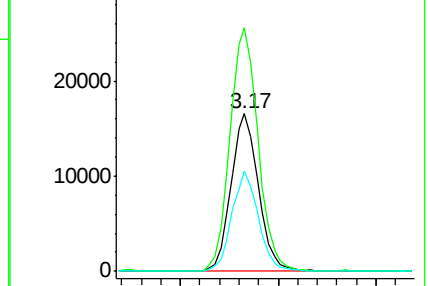
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 17.548 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion: 45 Resp: 143870

Ion Ratio Lower Upper

45 100

43 79.3 56.1 84.1

87 21.6 18.1 27.1

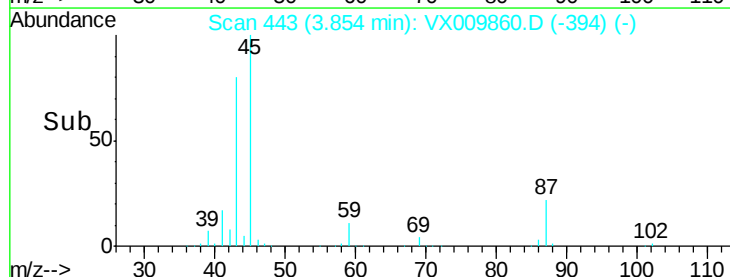
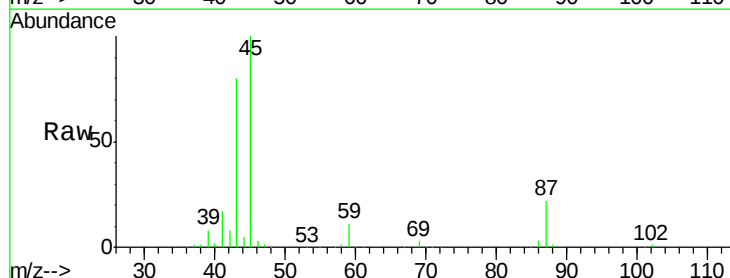
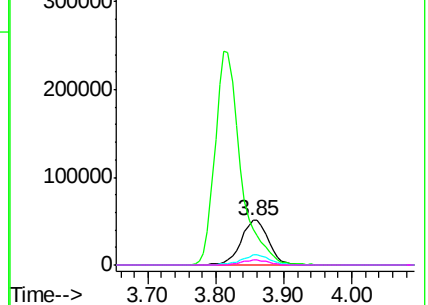
59 11.4 8.5 12.7

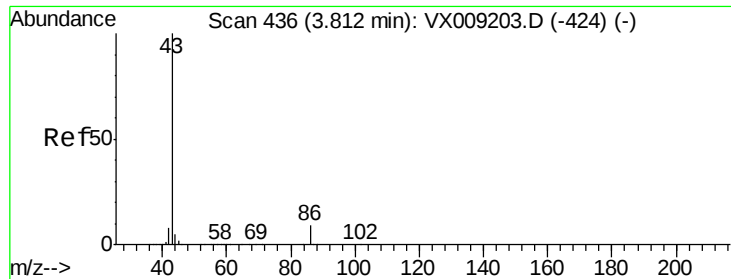
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 90.987 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 43 Resp: 638800

Ion Ratio Lower Upper

43 100

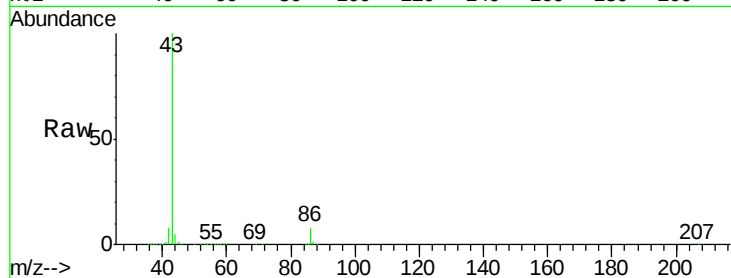
86 8.2 6.9 10.3

Manual Integrations

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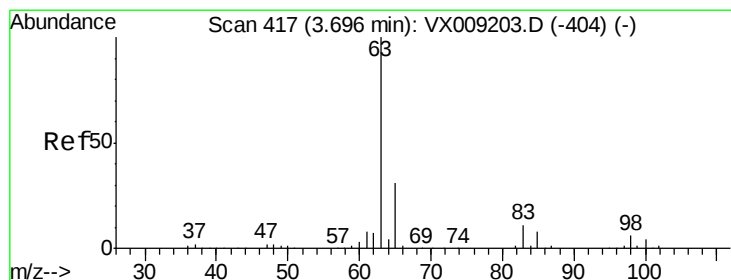
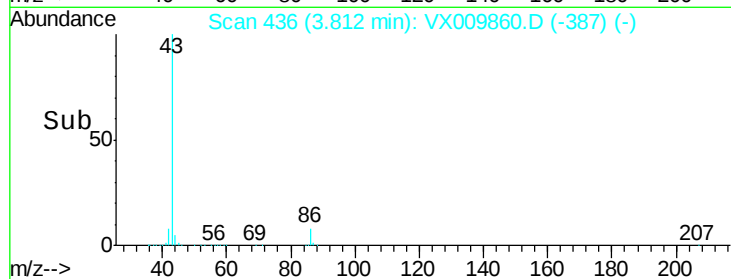
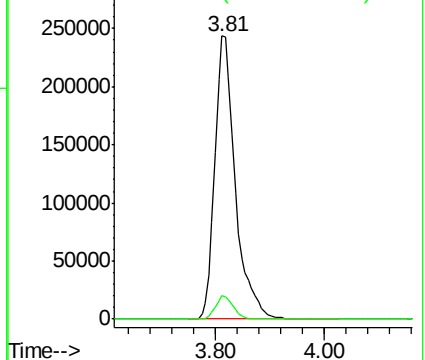
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 16.721 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

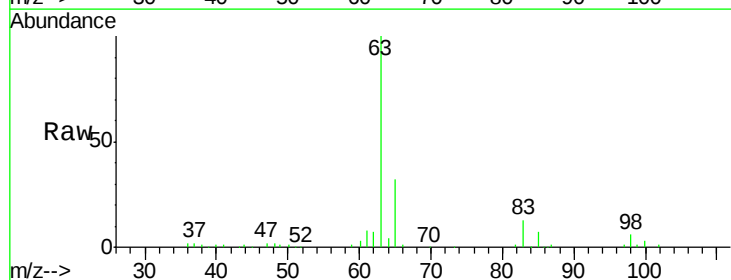
Tgt Ion: 63 Resp: 67629

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

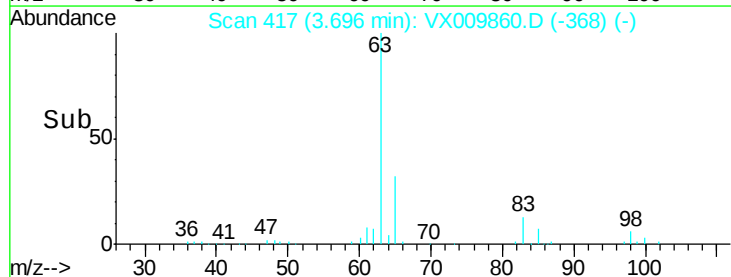
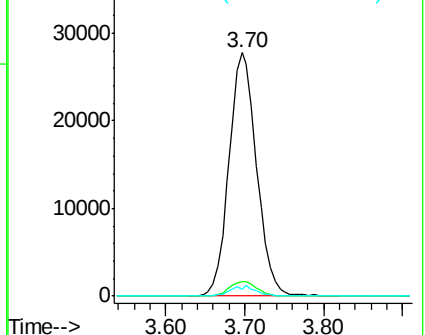
100 3.0 2.0 6.0

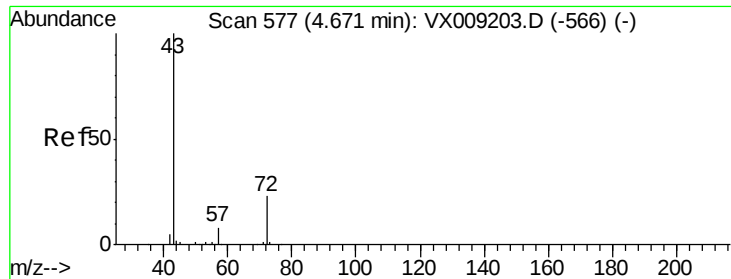


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 88.255 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 43 Resp: 187434

Ion Ratio Lower Upper

43 100

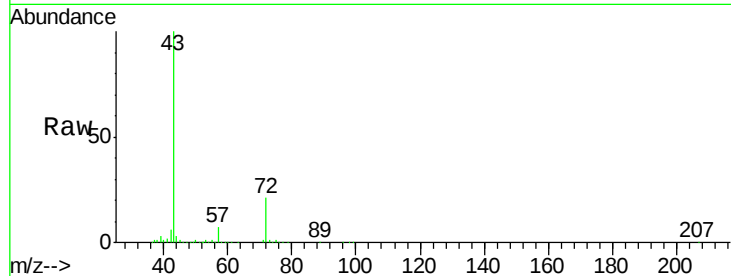
72 21.0 18.2 27.2

Manual Integrations

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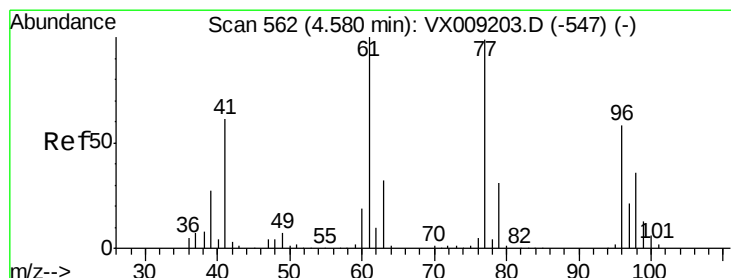
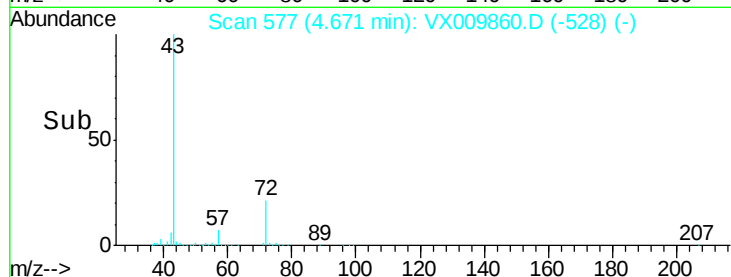
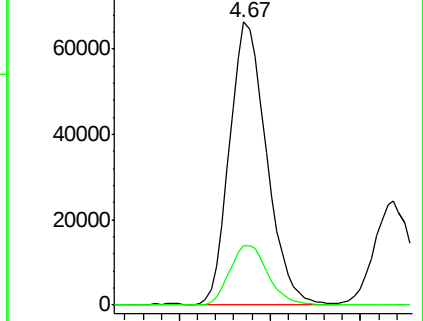
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.026 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009860.D

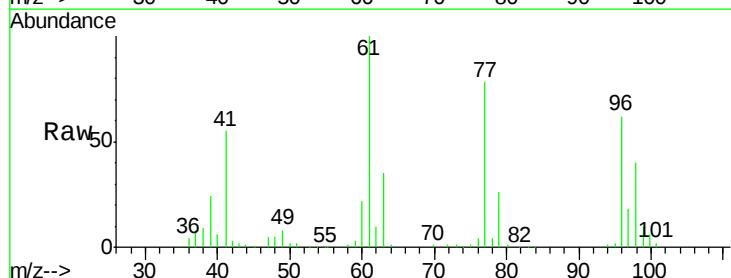
Acq: 23 May 2019 15:54

Tgt Ion: 77 Resp: 45238

Ion Ratio Lower Upper

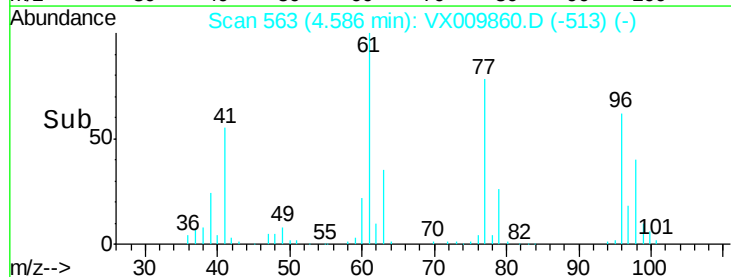
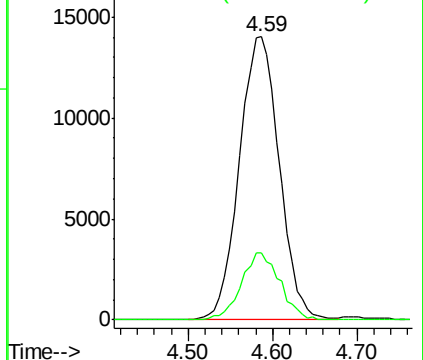
77 100

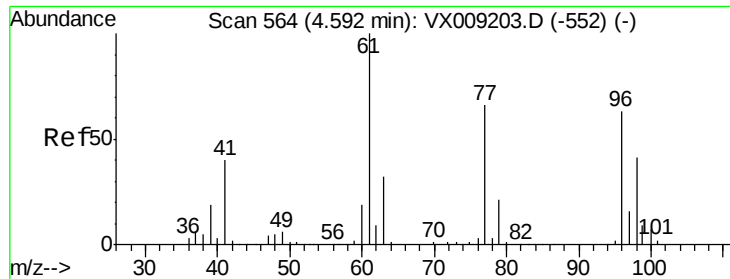
97 22.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

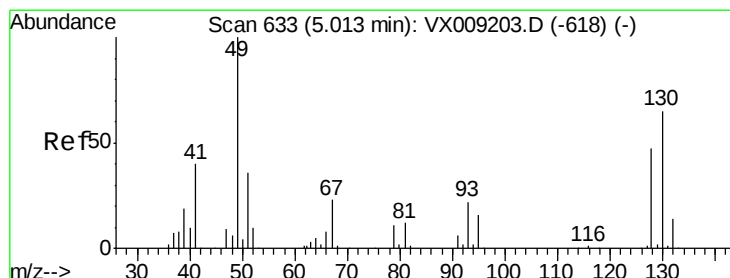
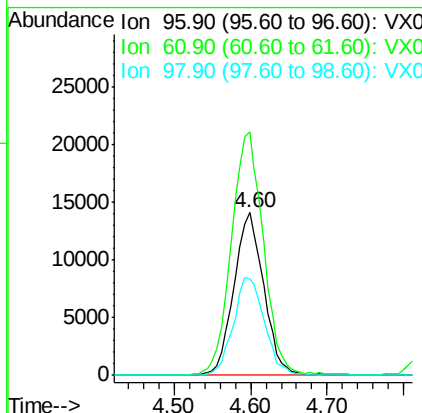
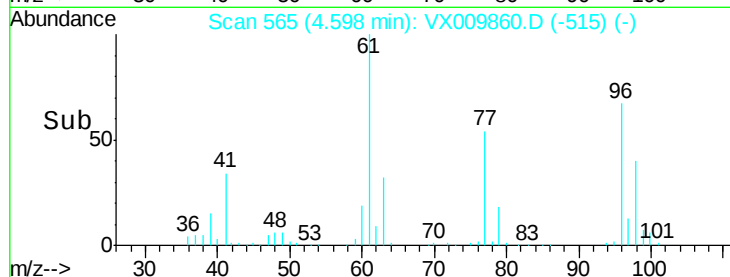
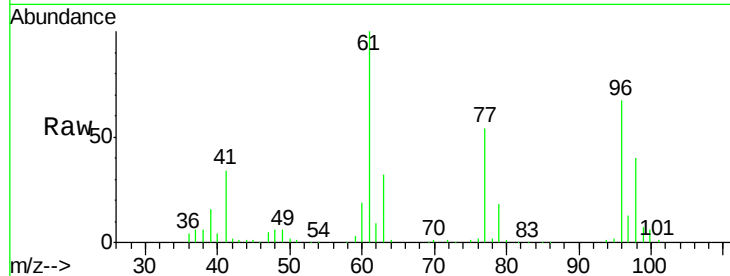
cis-1,2-Dichloroethene
Concen: 16.879 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	38224		
61	161.1	0.0	324.0	
98	63.0	0.0	130.4	

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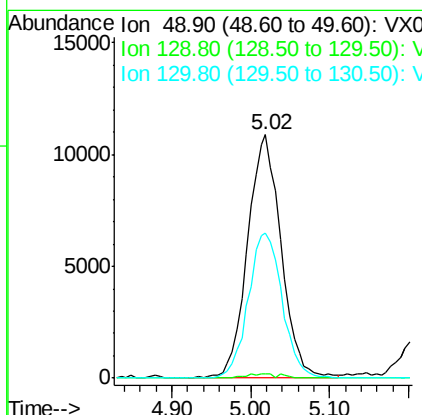
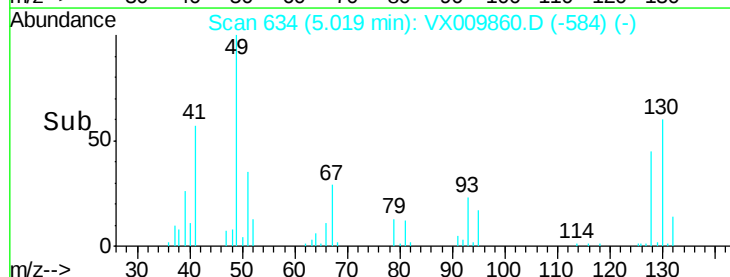
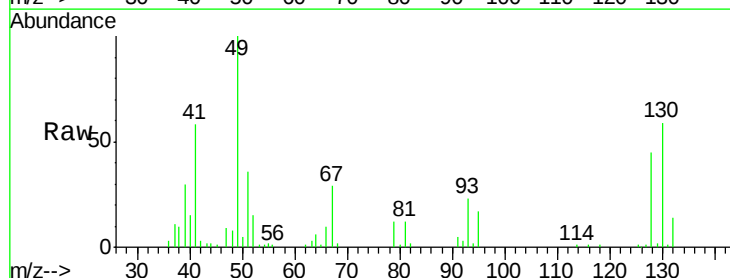
MMDadoda
5/24/2019 9:02:04 AM

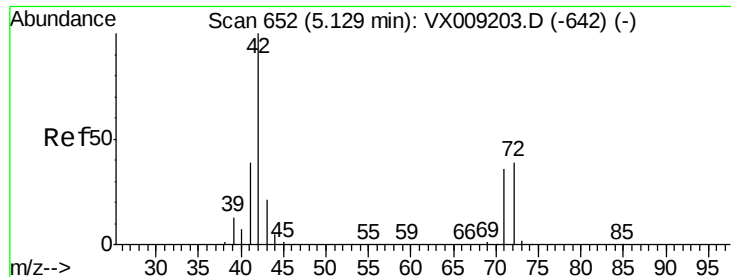


#28

Bromochloromethane
Concen: 18.031 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32211		
129	1.3	0.0	3.8	
130	60.2	51.2	76.8	





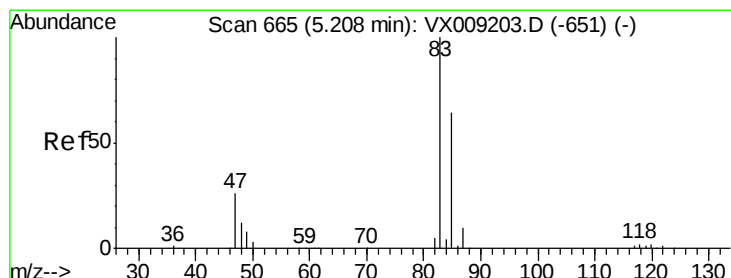
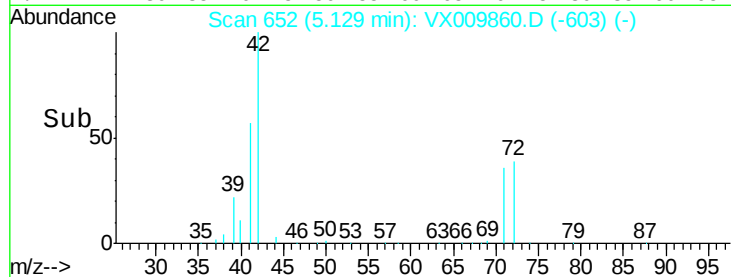
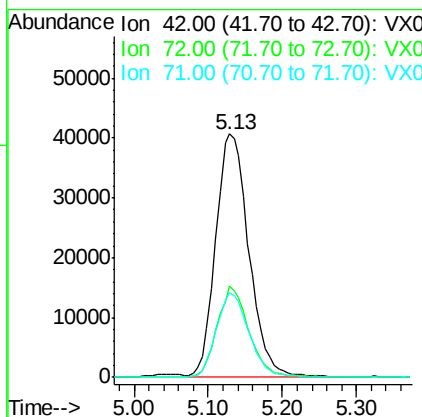
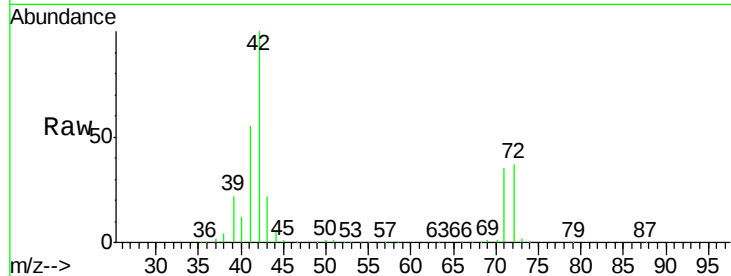
#29
Tetrahydrofuran
Concen: 91.560 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
42	100			
72	36.2	30.4	45.6	
71	34.5	28.6	43.0	

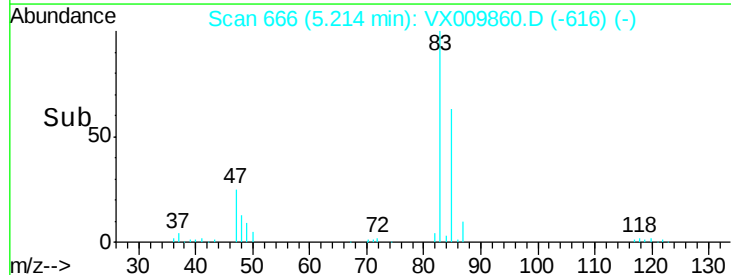
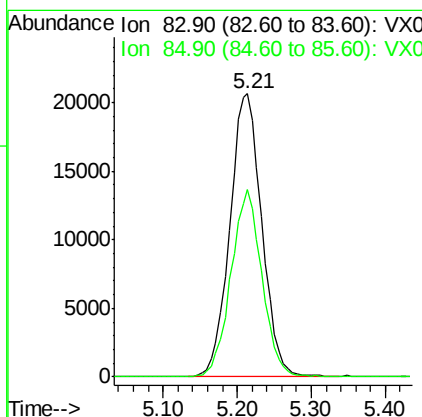
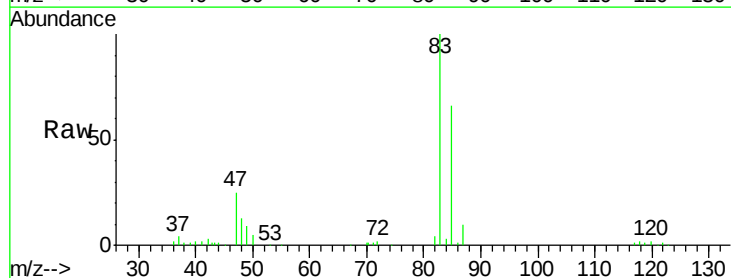
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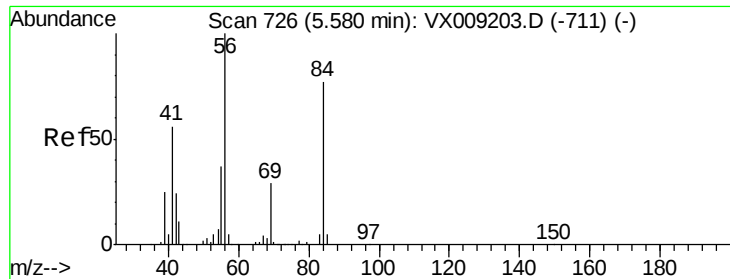
MMDadoda
5/24/2019 9:02:04 AM



#30
Chloroform
Concen: 16.941 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	66.1	51.5	77.3	





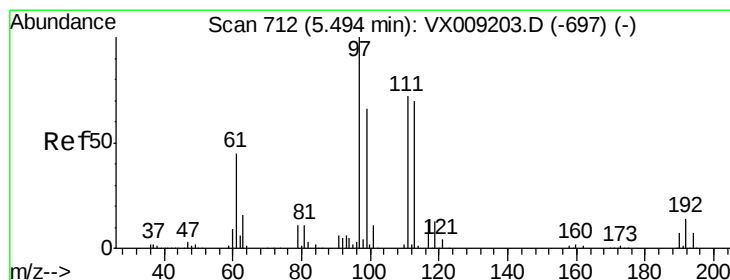
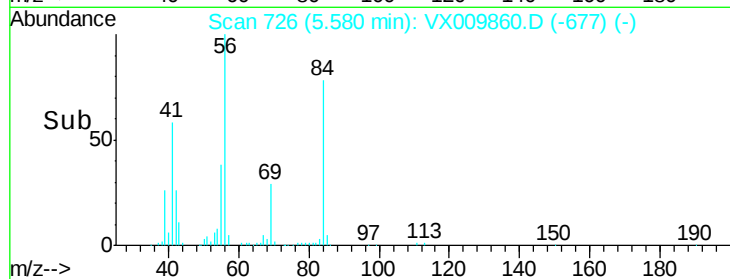
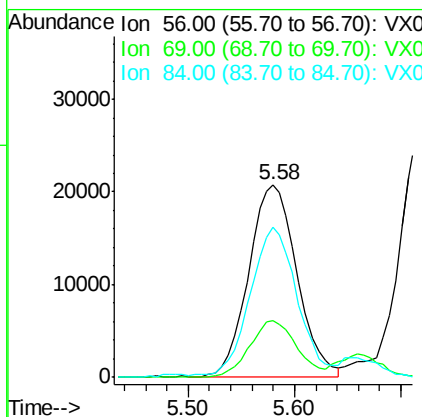
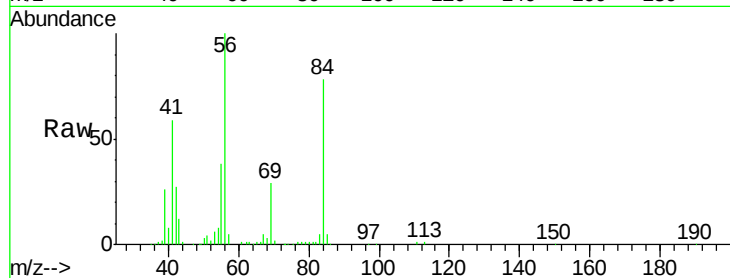
#31
Cyclohexane
Concen: 17.404 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.0
84	76.8	61.9	92.9

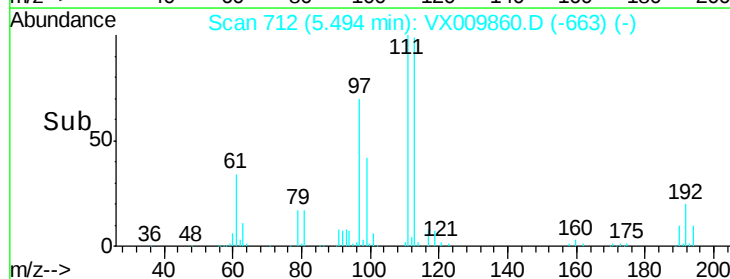
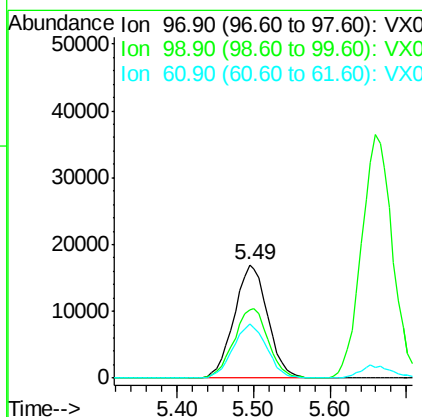
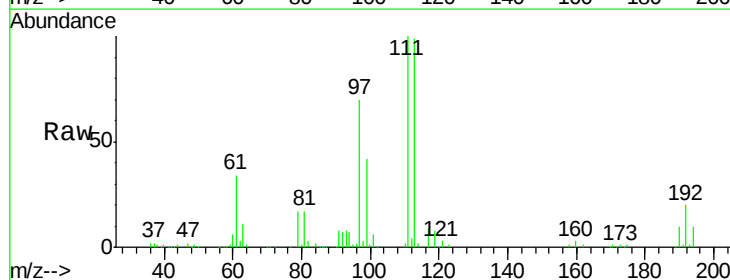
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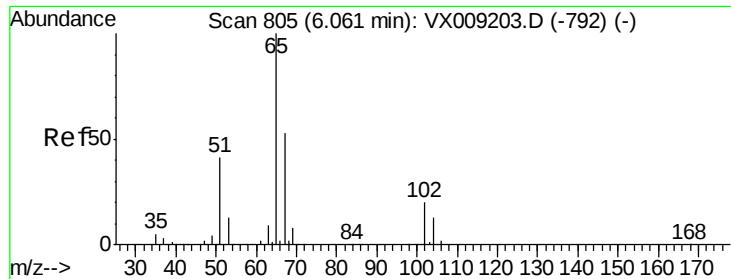
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5/24/2019 9:02:04 AM



#32
1,1,1-Trichloroethane
Concen: 16.915 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.8	77.8
61	48.3	37.8	56.8





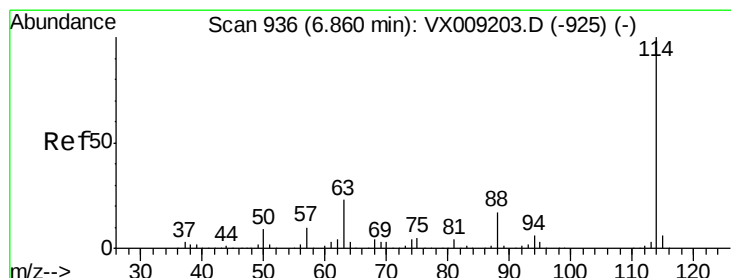
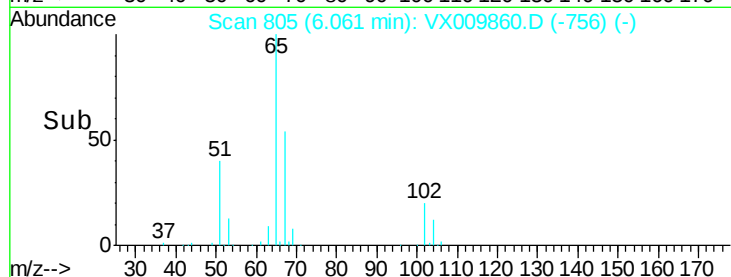
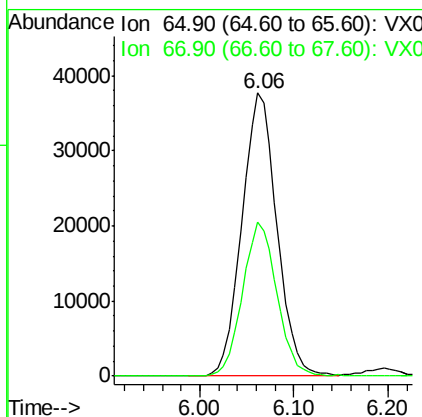
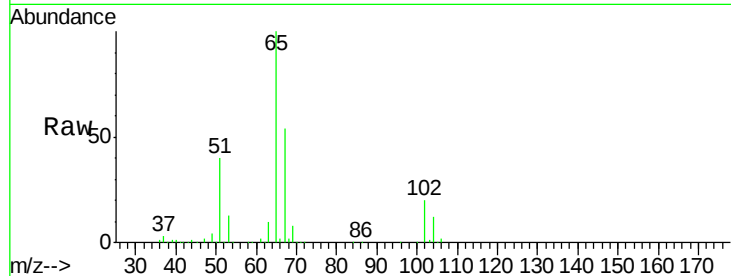
#33
 1,2-Dichloroethane-d4
 Concen: 38.537 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.6

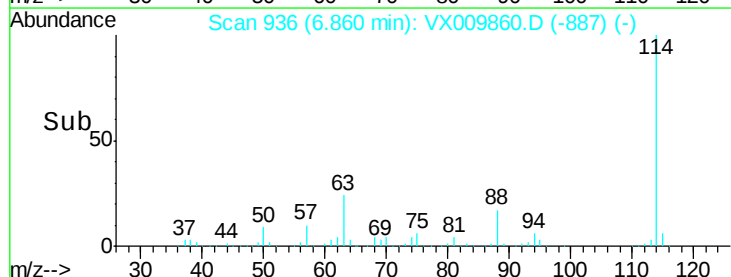
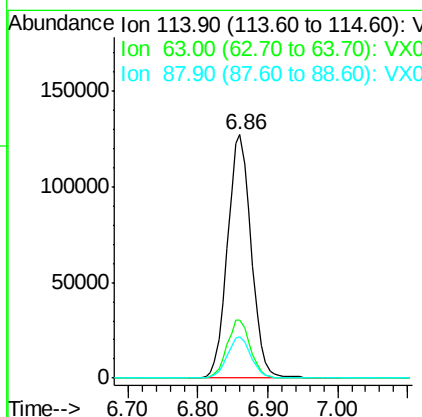
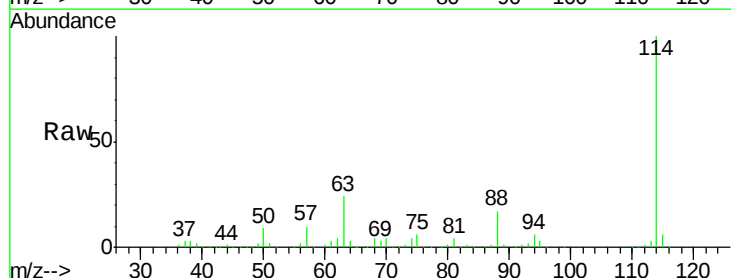
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	45.6
88	16.8	0.0	33.2





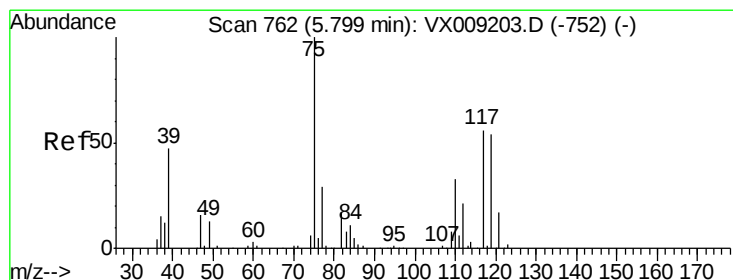
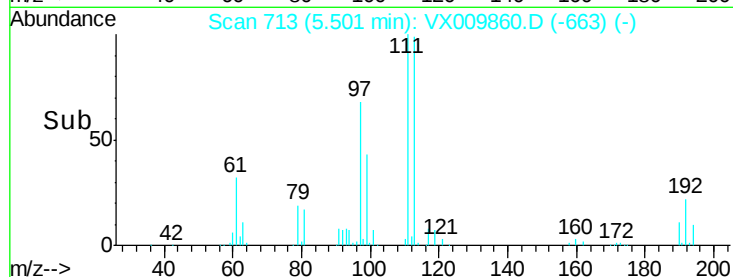
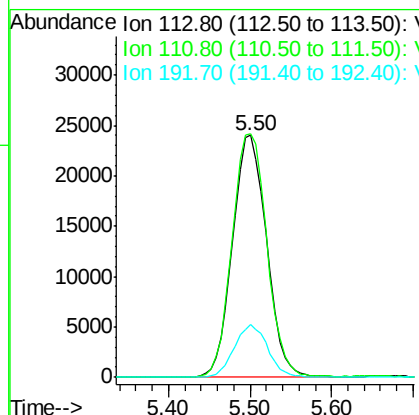
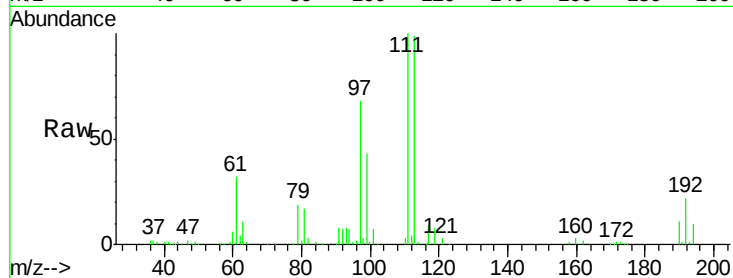
#35
Dibromofluoromethane
Concen: 36.948 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	69580		
111	102.8	82.8	124.2	
192	21.4	17.0	25.6	

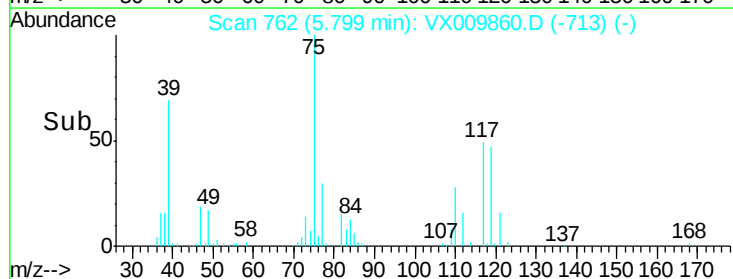
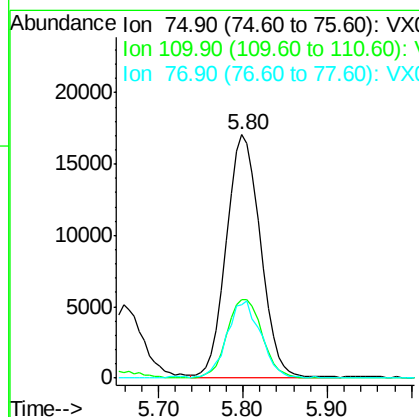
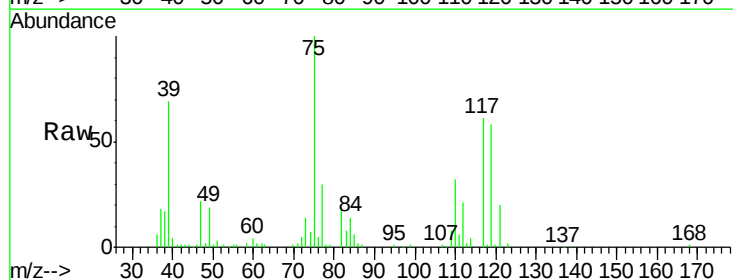
Manual Integrations
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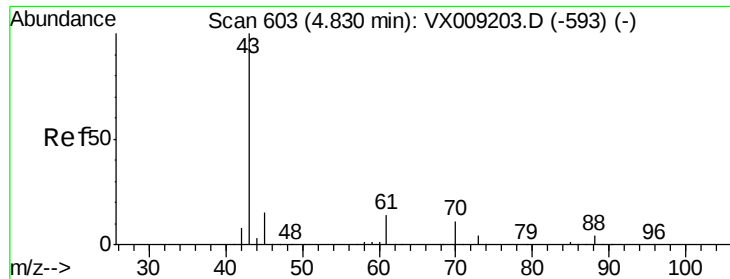
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#36
1,1-Dichloropropene
Concen: 16.776 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	46702		
110	33.5	16.9	50.6	
77	31.1	24.8	37.2	





#37

Ethyl Acetate

Concen: 18.288 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

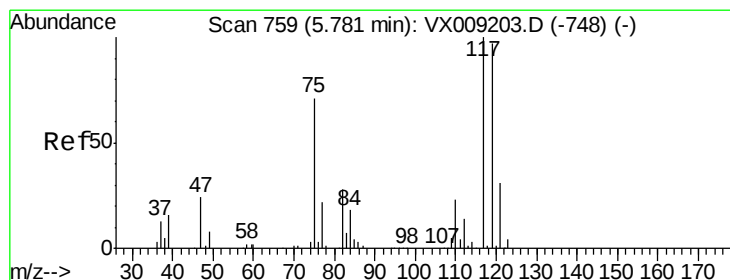
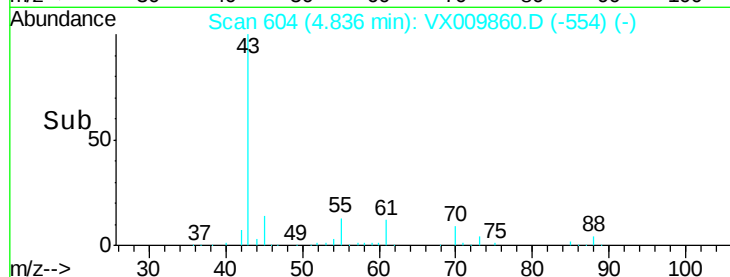
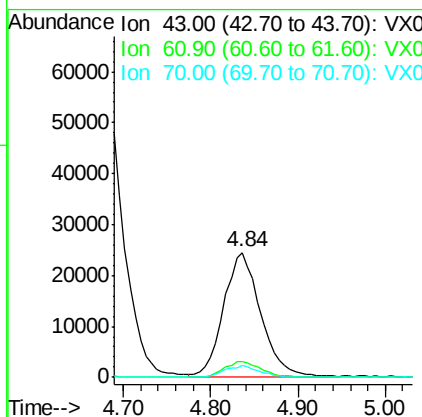
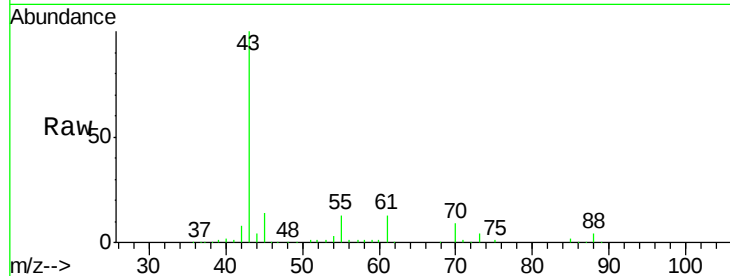
ClientSampleId :

VX0523WBSD01

Tot Ion:	43	Resp:	70936
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.1	7.9	11.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 16.240 ug/l

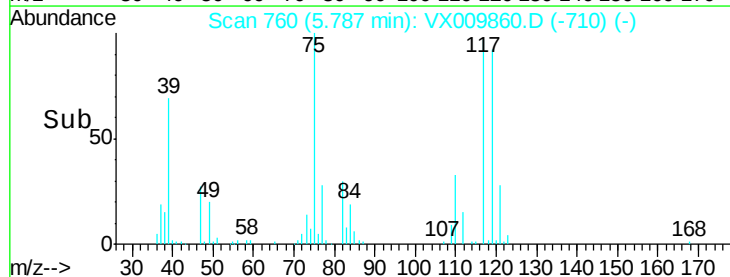
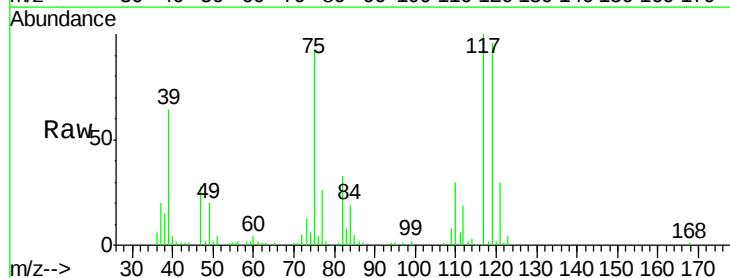
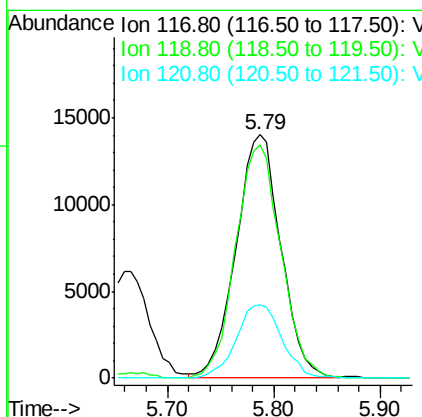
RT: 5.79 min Scan# 760

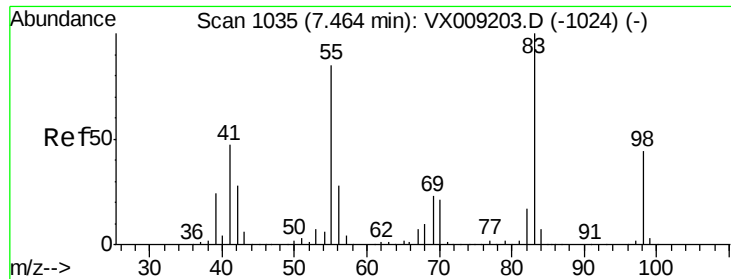
Delta R.T. 0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion:	117	Resp:	41077
Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.5	116.3
121	29.9	24.7	37.1





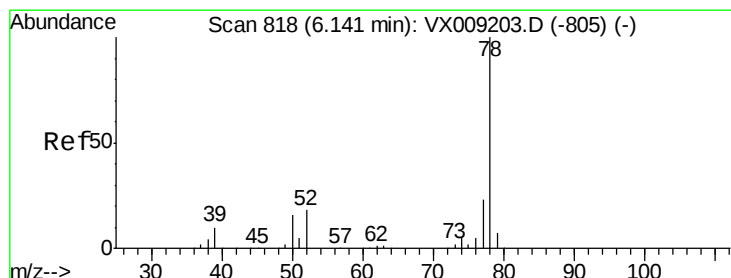
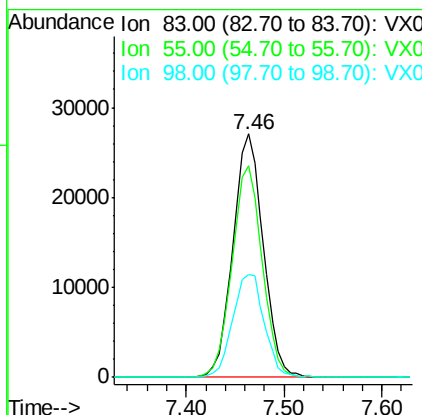
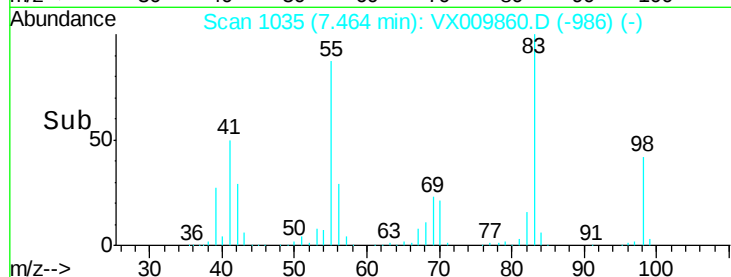
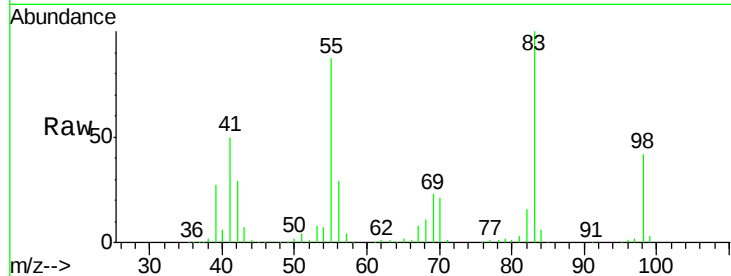
#39
Methvlcvclohexane
Concen: 16.997 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	83.00	Resp	58111
Ion Ratio	Lower	Upper	
83	100		
55	87.0	67.7	101.5
98	42.4	35.5	53.3

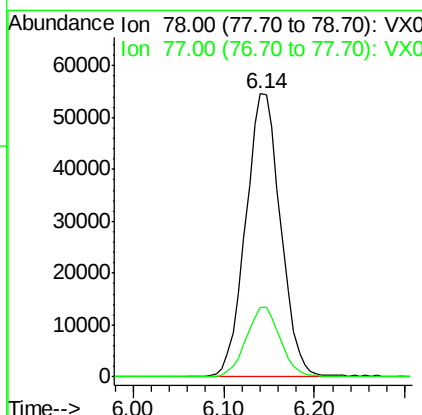
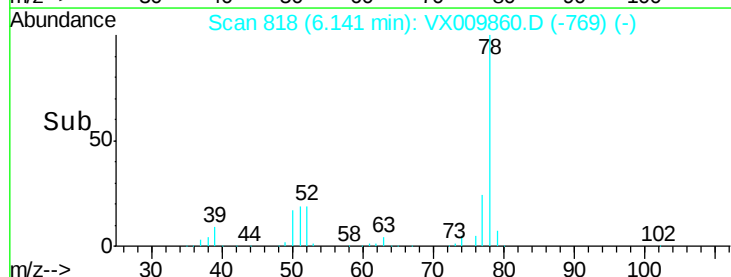
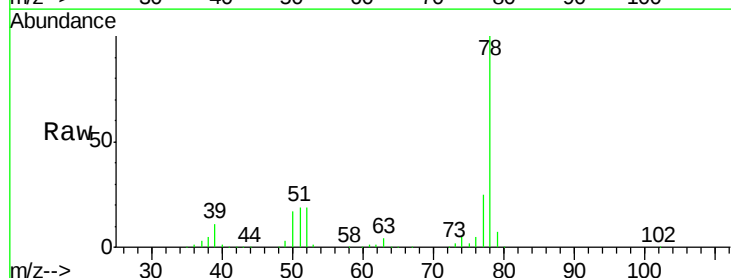
Manual Integrations
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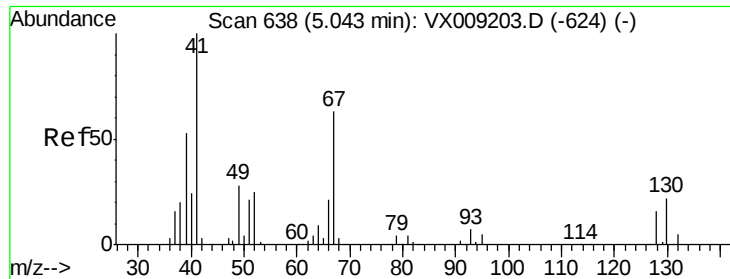
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#40
Benzene
Concen: 16.891 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	78.00	Resp	145524
Ion Ratio	Lower	Upper	
78	100		
77	24.7	18.8	28.2





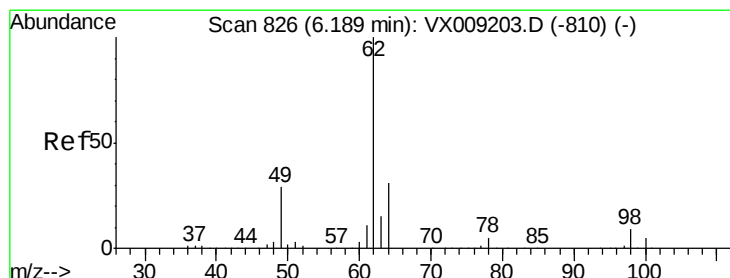
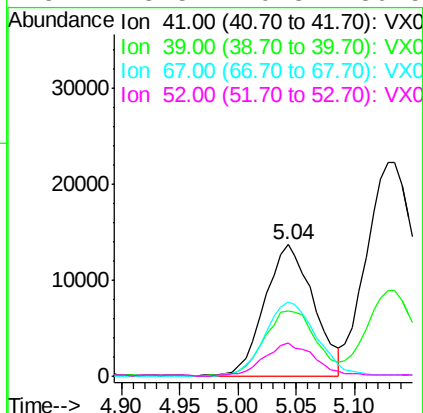
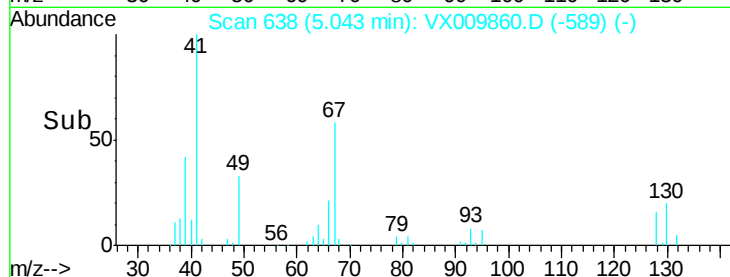
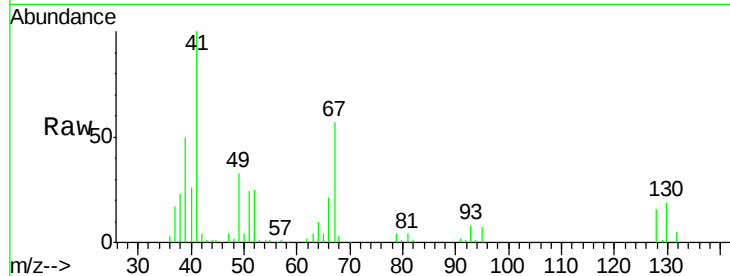
#41
Methacrylonitrile
Concen: 17.365 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.0	63.0	
67	59.8	49.8	74.8	
52	25.5	20.3	30.5	

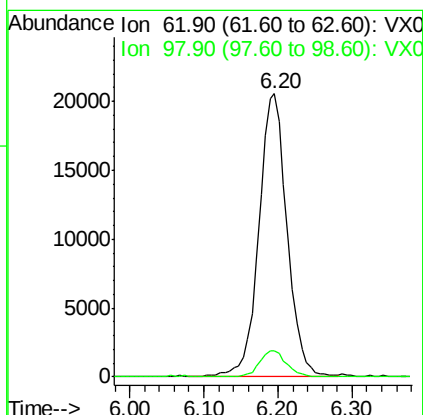
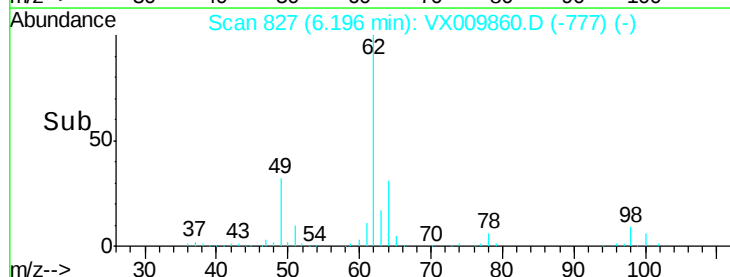
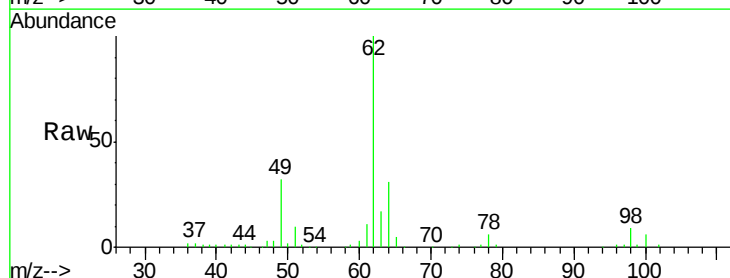
Manual Integrations
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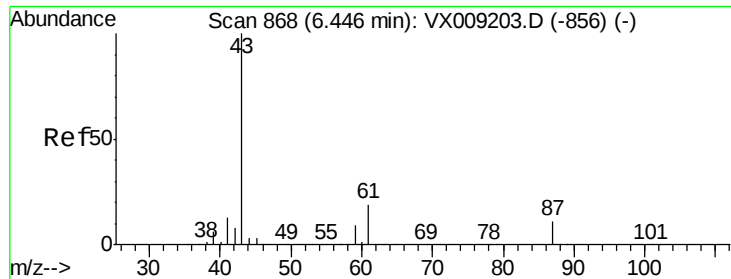
MMDadoda
5/24/2019 9:02:04 AM



#42
1,2-Dichloroethane
Concen: 17.654 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.2	





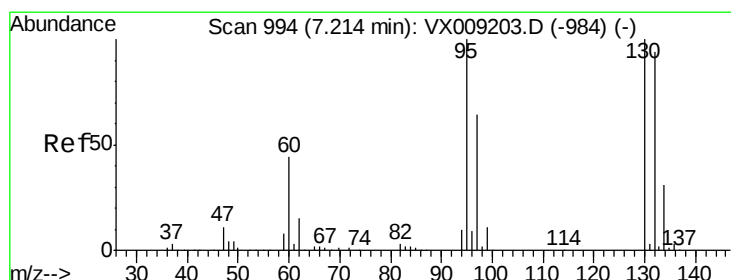
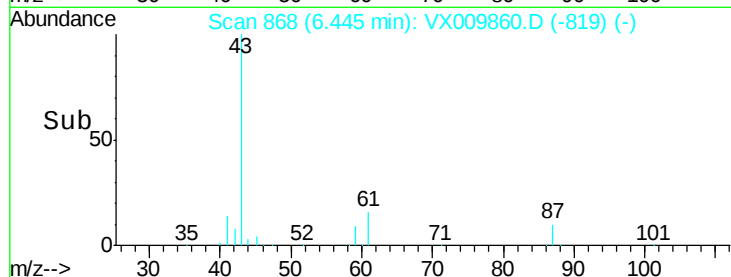
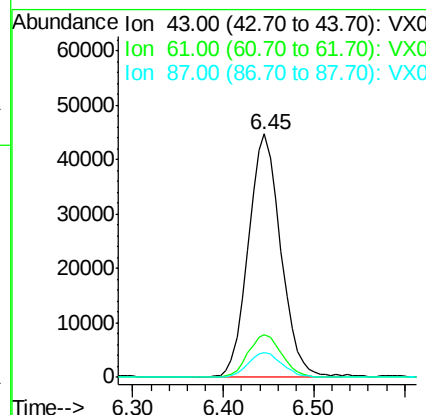
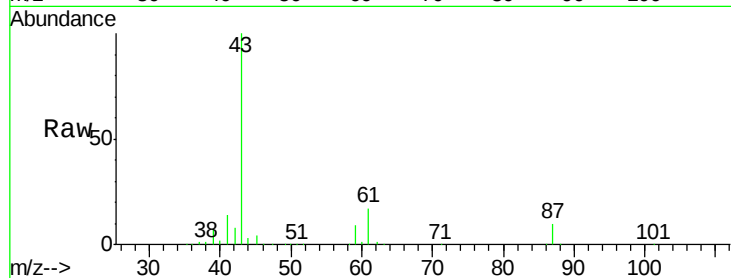
#43
Isopropyl Acetate
Concen: 17.708 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.1	22.7
87	10.7	9.0	13.6

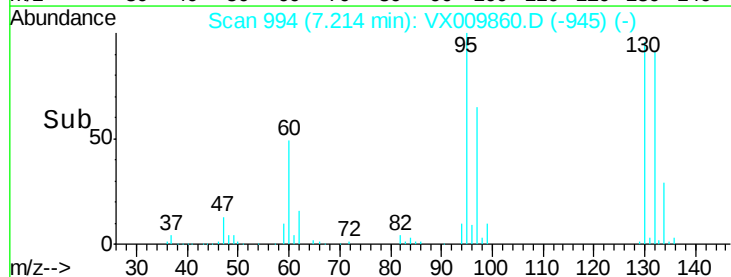
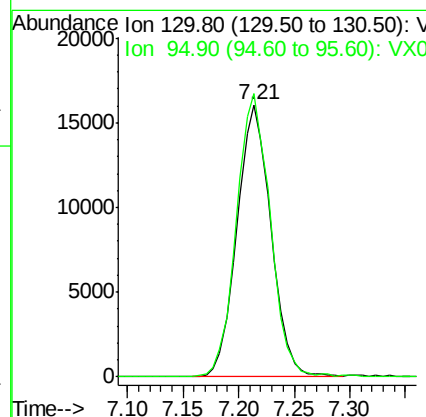
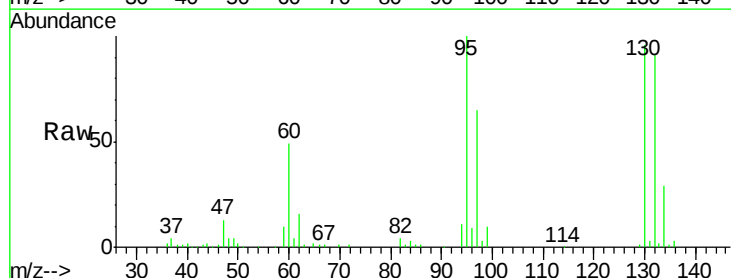
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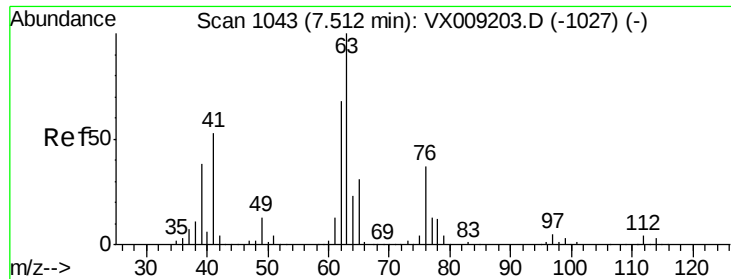
MMDadoda
5/24/2019 9:02:04 AM



#44
Trichloroethene
Concen: 16.264 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	199.2





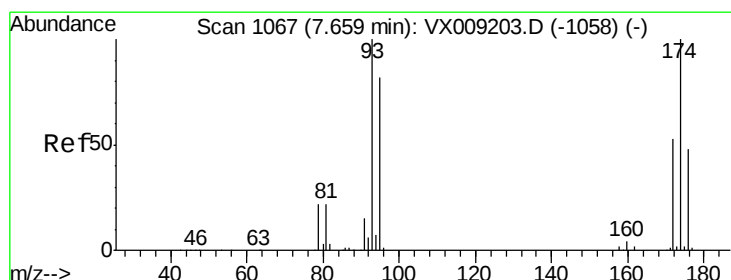
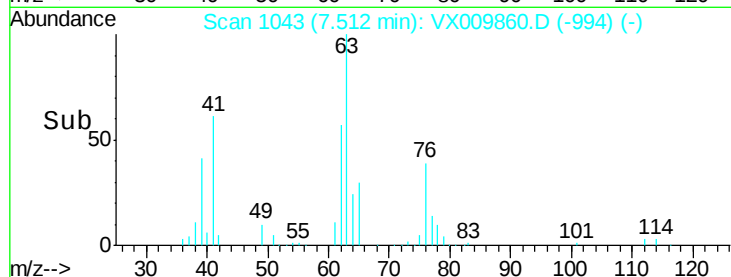
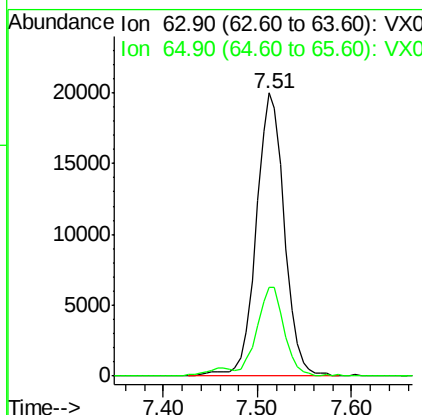
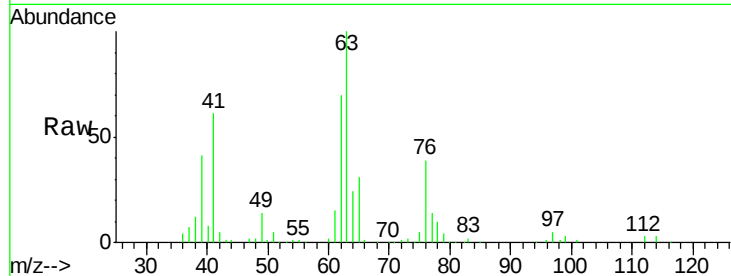
#45
 1,2-Dichloropropane
 Concen: 17.223 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion: 63 Resp: 42018
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

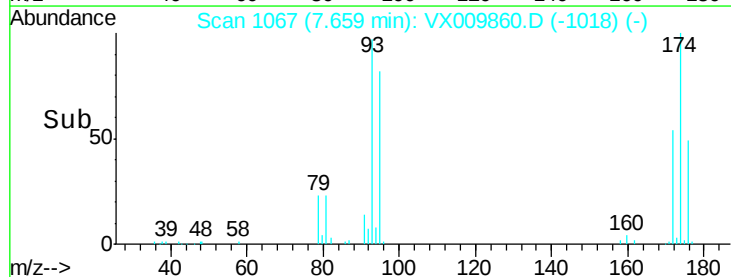
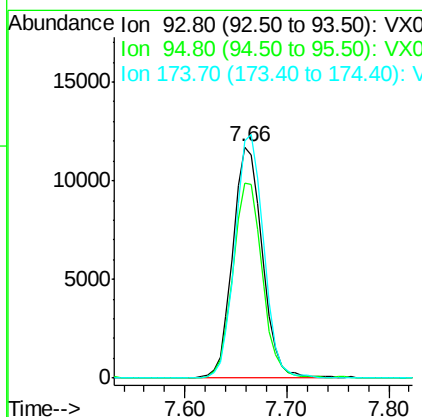
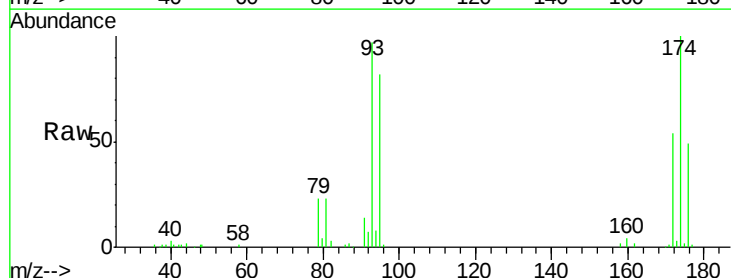
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#46
 Dibromomethane
 Concen: 16.593 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Tgt Ion: 93 Resp: 23508
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.5 99.7
 174 101.6 82.1 123.1





#47

Bromodichloromethane

Concen: 16.281 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

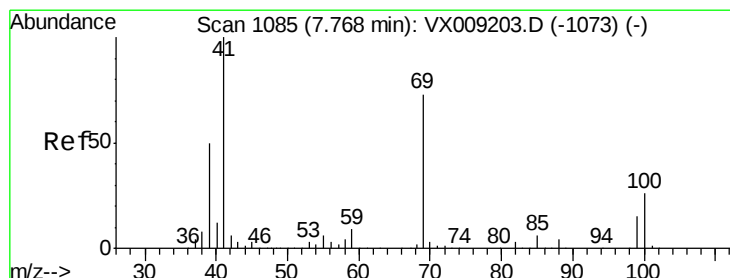
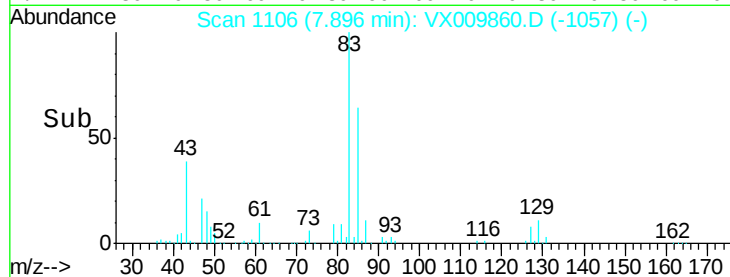
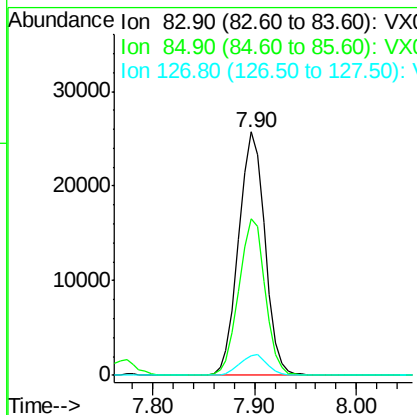
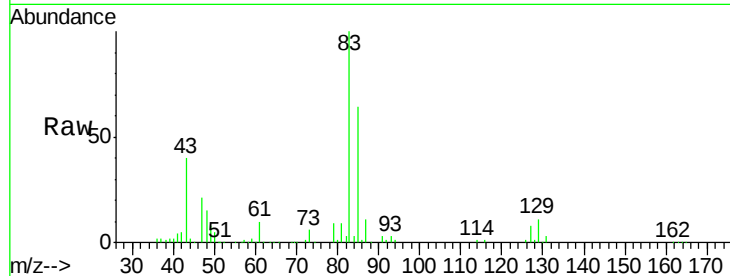
ClientSampled :

VX0523WBSD01

Tot Ion:	83	Resp:	46010
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.4	78.6
127	8.2	6.6	10.0

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#48

Methyl methacrylate

Concen: 18.052 ug/l

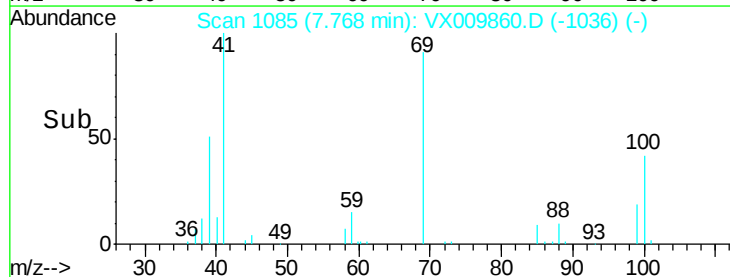
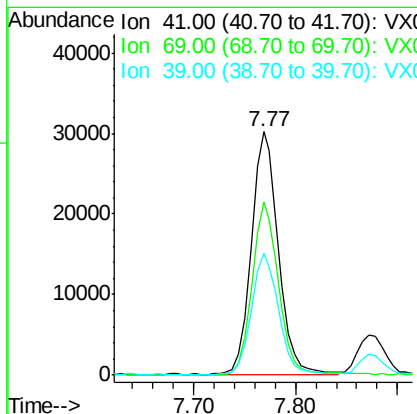
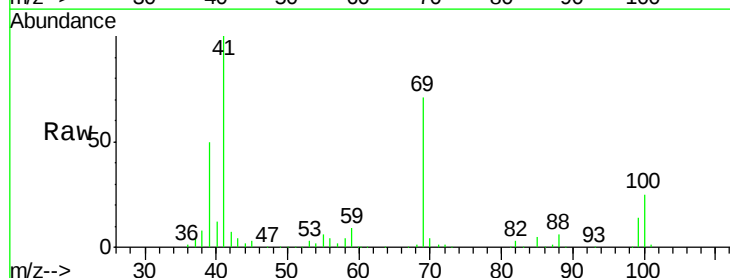
RT: 7.77 min Scan# 1085

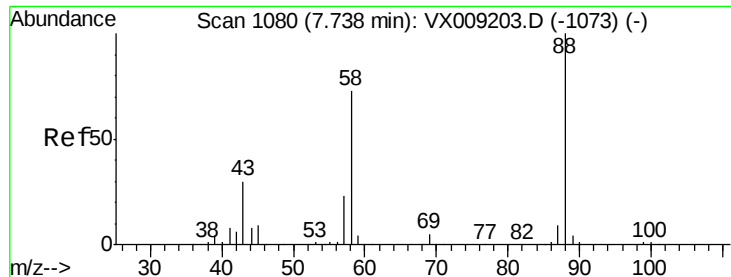
Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion:	41	Resp:	55566
Ion	Ratio	Lower	Upper
41	100		
69	70.4	59.1	88.7
39	50.2	40.4	60.6





#49

1,4-Dioxane

Concen: 333.685 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

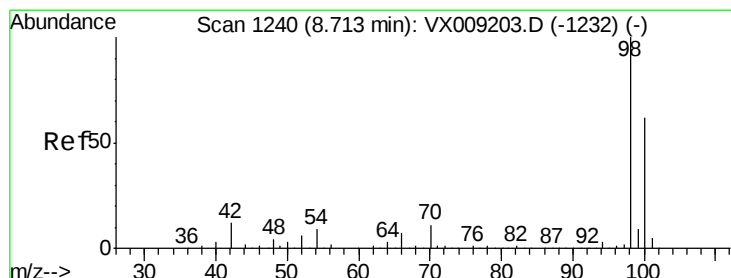
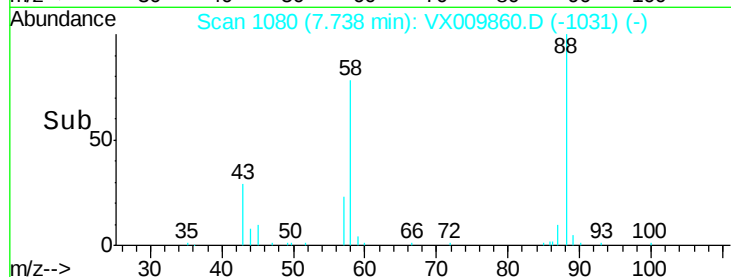
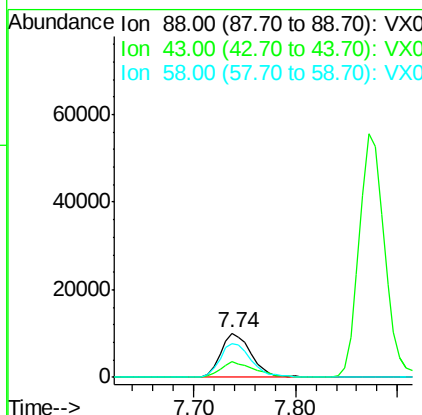
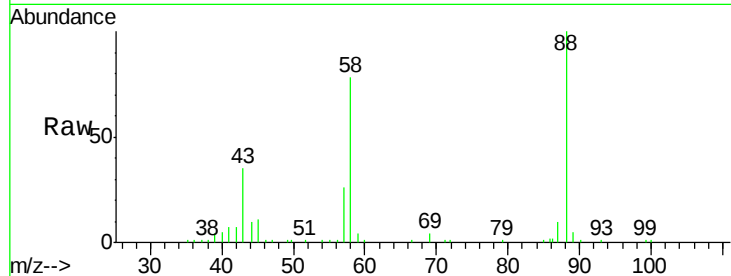
ClientSampleId :

VX0523WBSD01

Tot Ion:	88	Resp:	20830
Ion	Ratio	Lower	Upper
88	100		
43	38.3	28.6	42.8
58	80.1	61.7	92.5

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#50

Toluene-d8

Concen: 37.725 ug/l

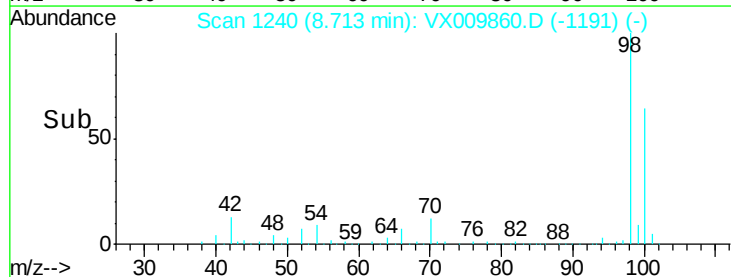
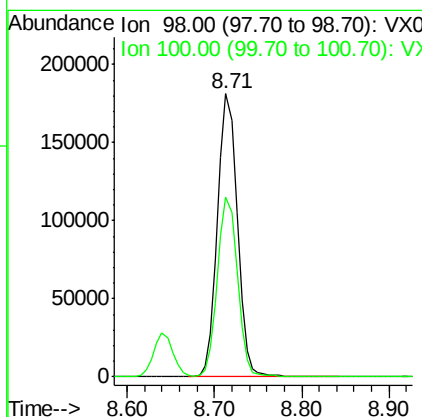
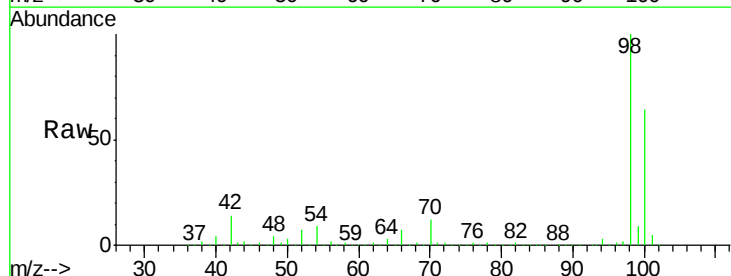
RT: 8.71 min Scan# 1240

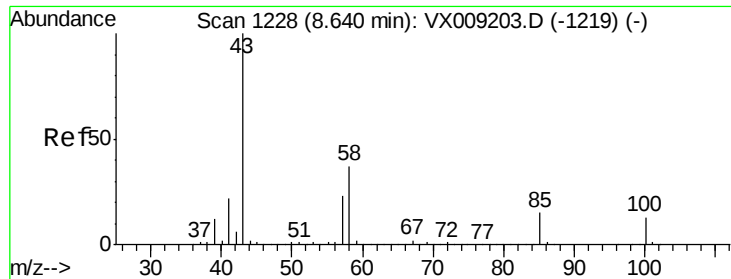
Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion:	98	Resp:	286821
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 91.861 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleID :

VX0523WBSD01

Tot Ion: 43 Resp: 372524

Ion Ratio Lower Upper

43 100

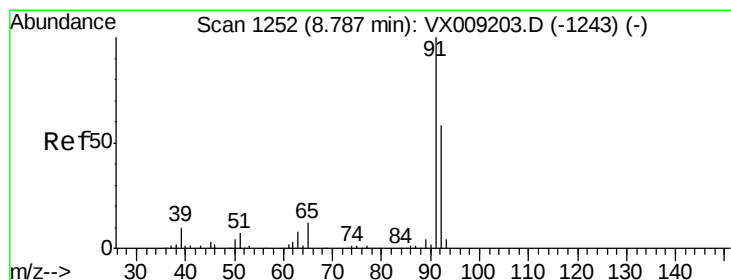
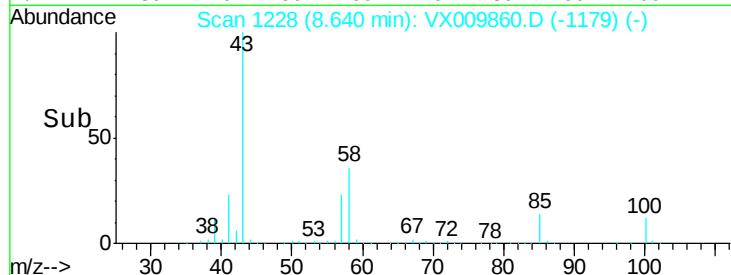
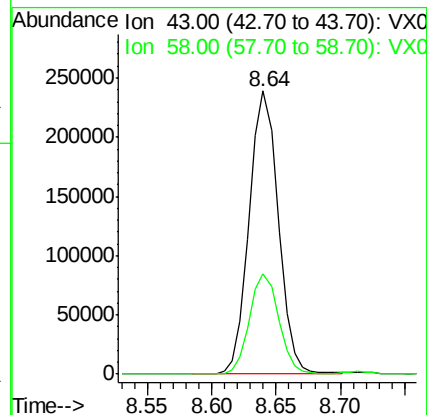
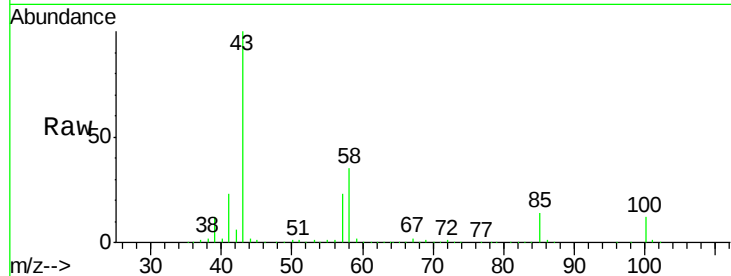
58 35.6 29.5 44.3

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#52

Toluene

Concen: 17.026 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009860.D

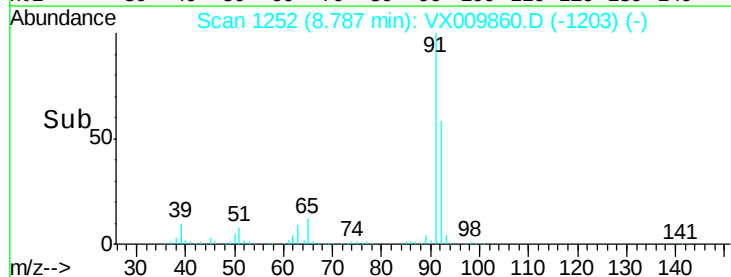
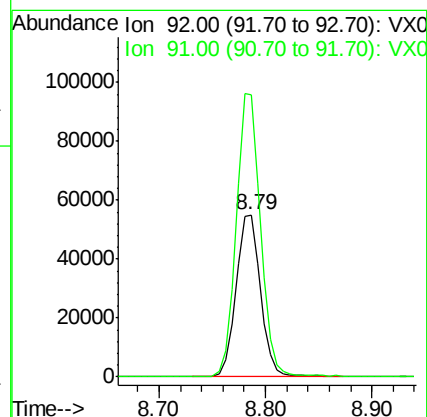
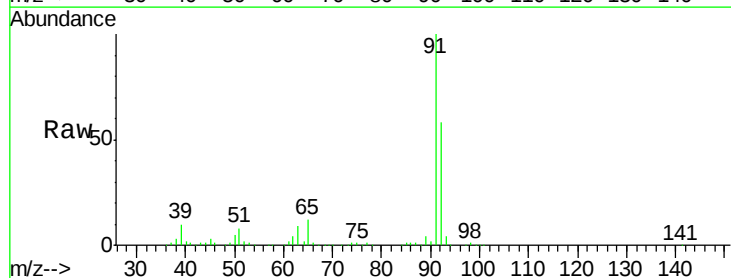
Acq: 23 May 2019 15:54

Tgt Ion: 92 Resp: 89169

Ion Ratio Lower Upper

92 100

91 173.5 138.8 208.2





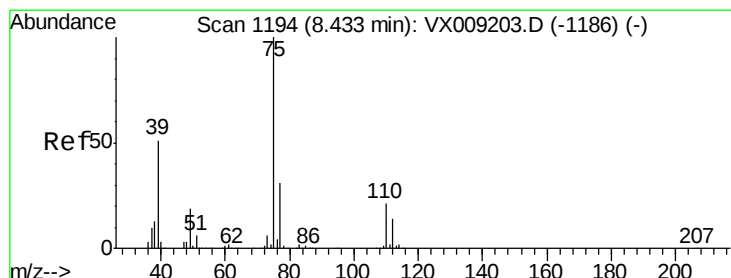
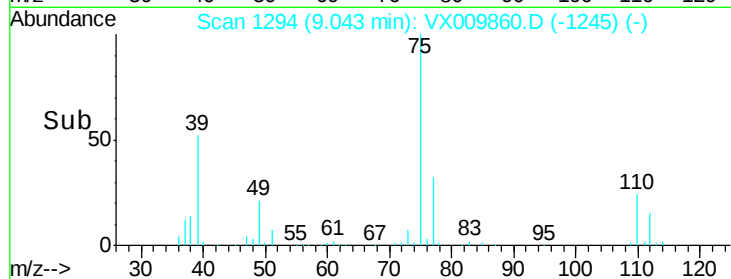
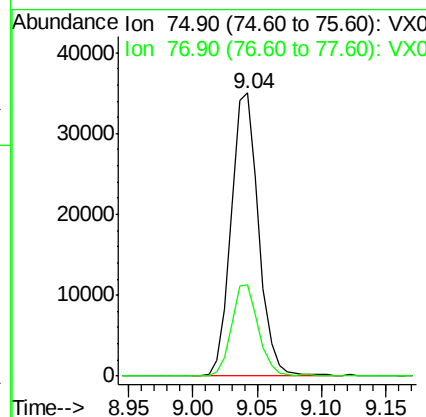
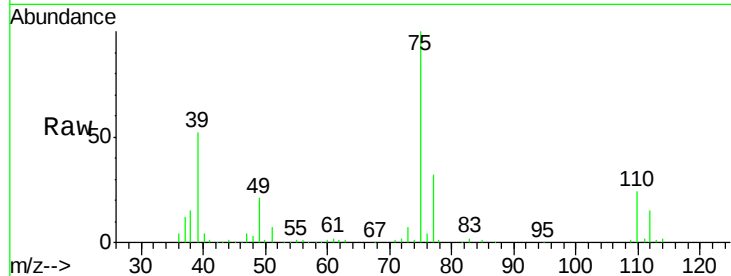
#53
t-1,3-Dichloropropene
Concen: 16.475 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion: 75 Resp: 52565
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6

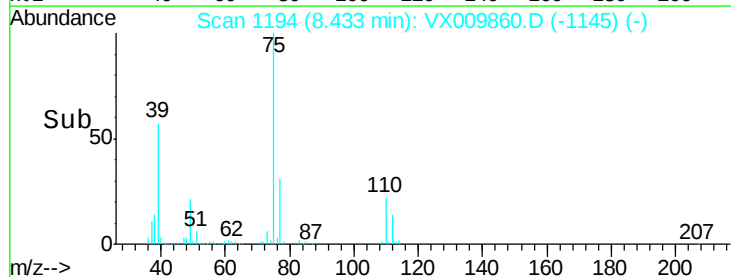
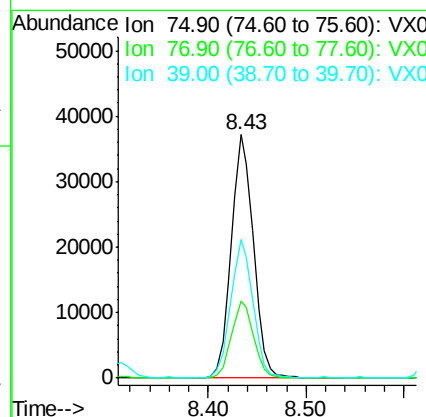
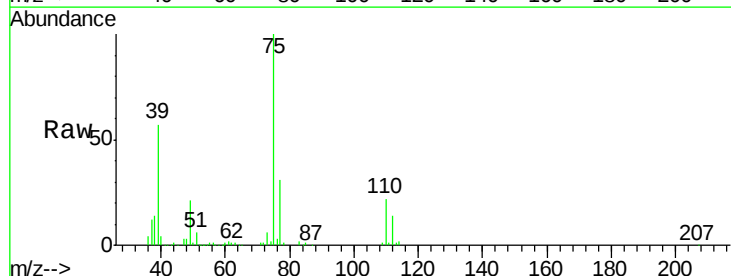
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#54
cis-1,3-Dichloropropene
Concen: 16.591 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 75 Resp: 58590
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 56.6 40.6 60.8





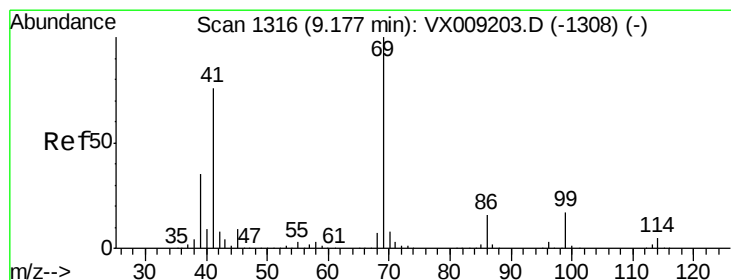
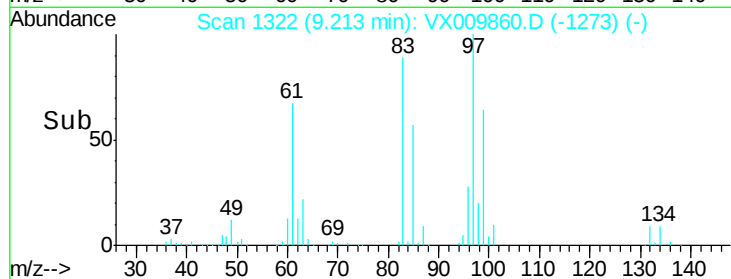
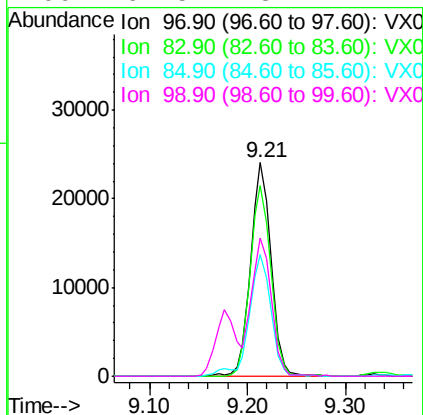
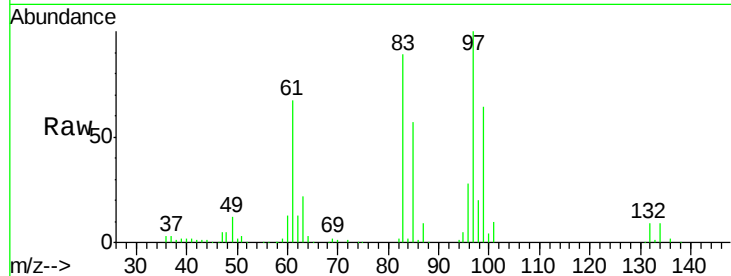
#55
 1,1,2-Trichloroethane
 Concen: 16.435 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion:	97	Resp:	35117
Ion	Ratio	Lower	Upper
97	100		
83	89.1	68.9	103.3
85	57.0	43.8	65.6
99	64.5	48.2	72.2

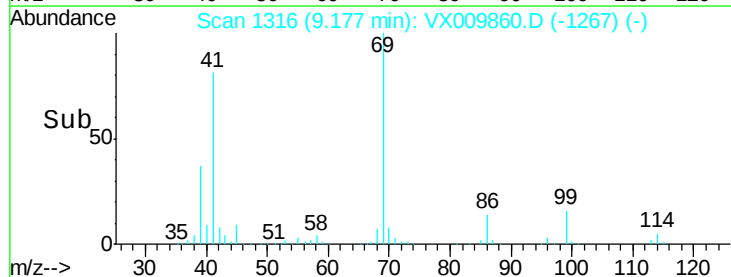
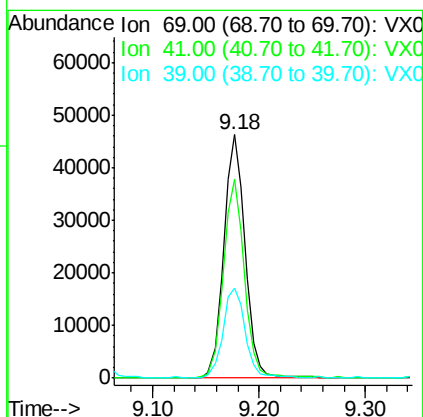
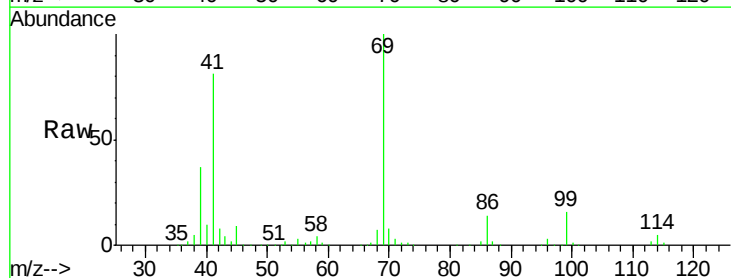
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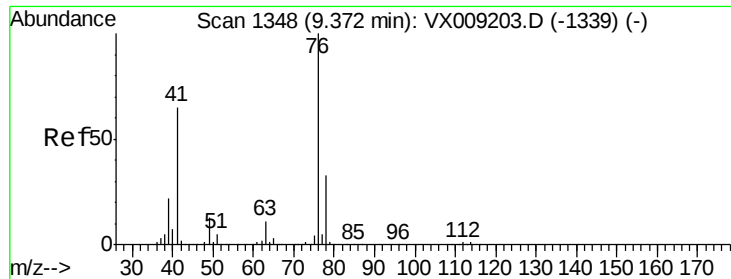
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#56
 Ethyl methacrylate
 Concen: 17.014 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Tgt Ion:	69	Resp:	64892
Ion	Ratio	Lower	Upper
69	100		
41	80.0	60.6	90.8
39	38.6	28.2	42.4





#57

1,3-Dichloropropane

Concen: 17.065 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 76 Resp: 64163

Ion Ratio Lower Upper

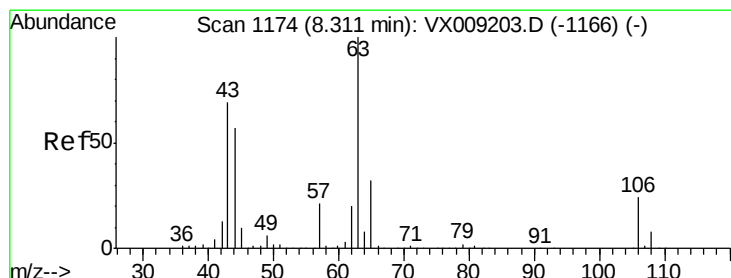
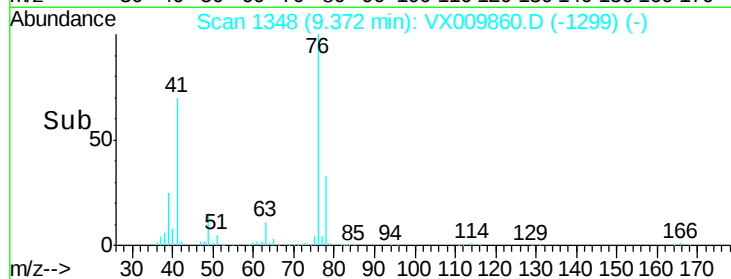
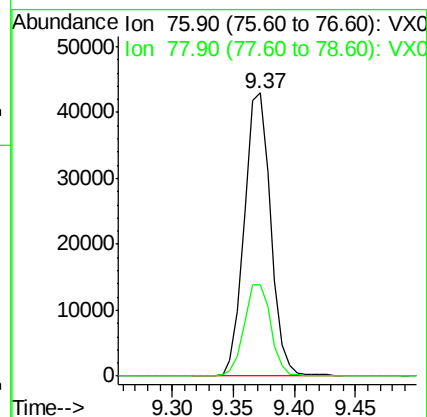
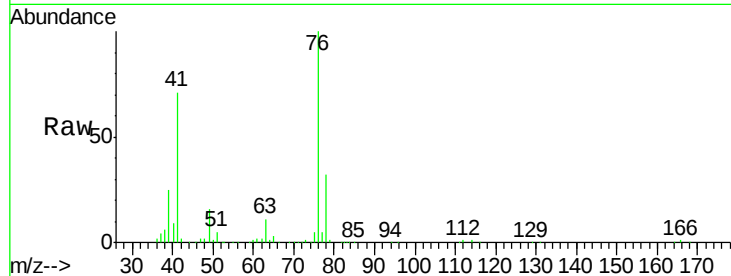
76 100

78 33.1 25.5 38.3

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 85.706 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009860.D

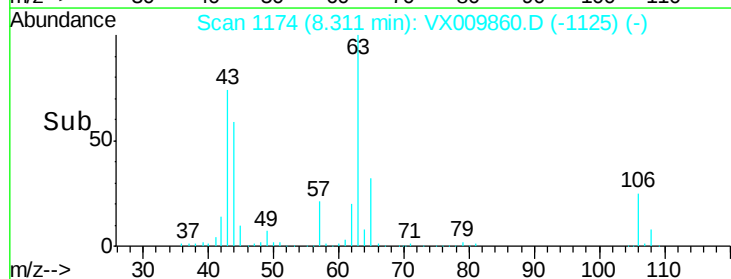
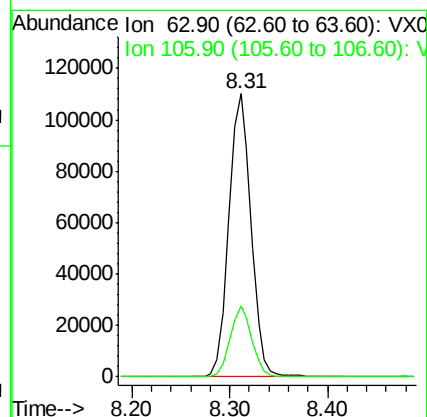
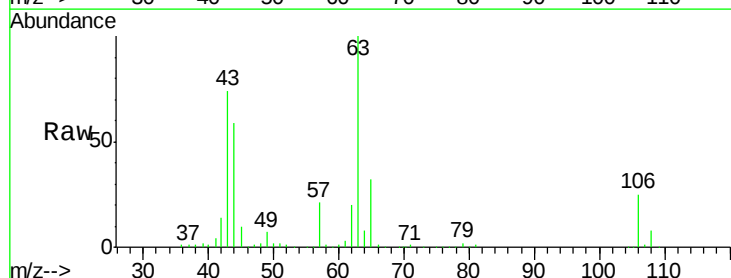
Acq: 23 May 2019 15:54

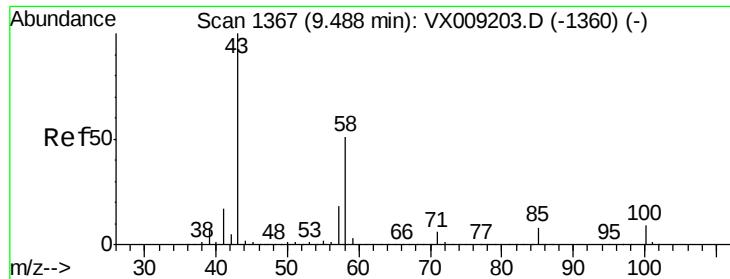
Tgt Ion: 63 Resp: 173413

Ion Ratio Lower Upper

63 100

106 24.3 19.7 29.5





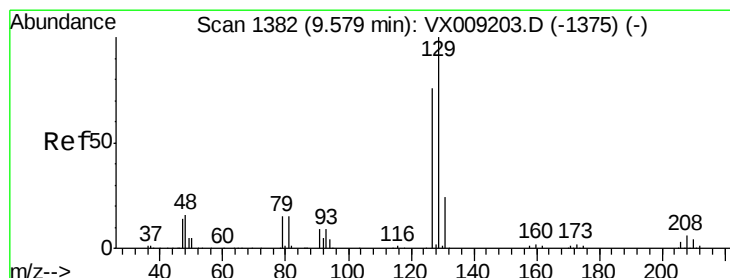
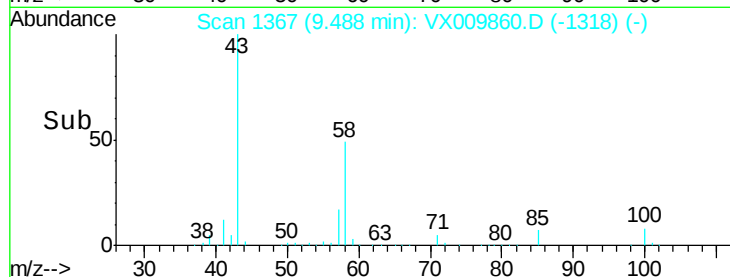
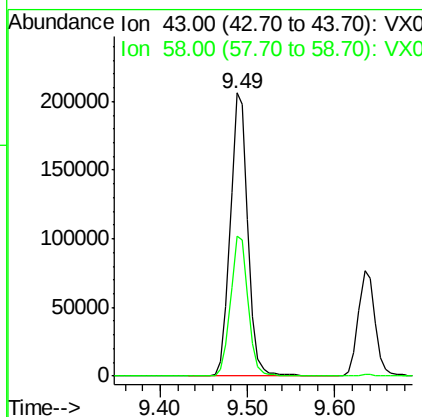
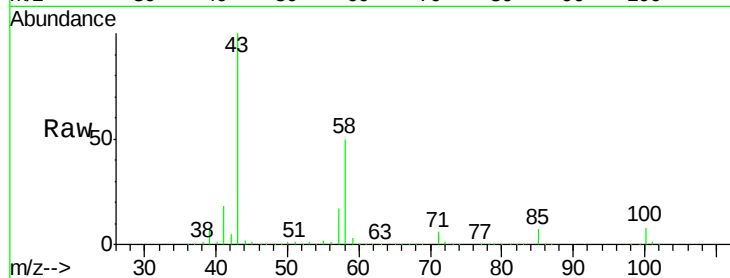
#59
2-Hexanone
Concen: 90.329 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion: 43 Resp: 287696
Ion Ratio Lower Upper
43 100
58 49.9 25.9 77.7

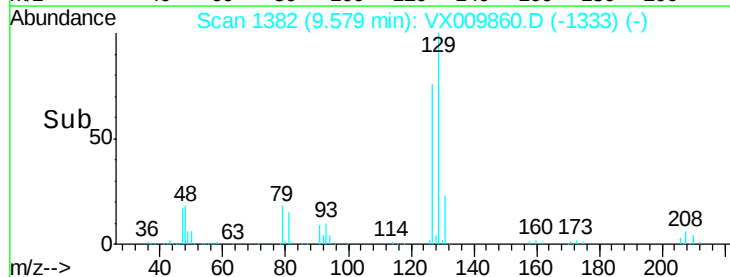
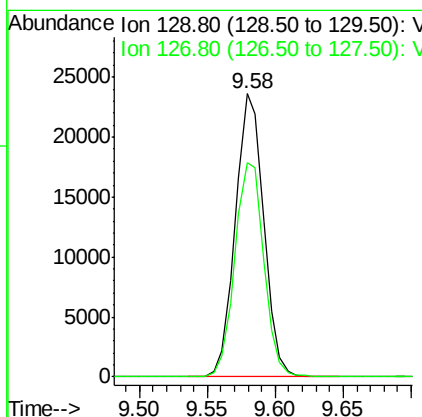
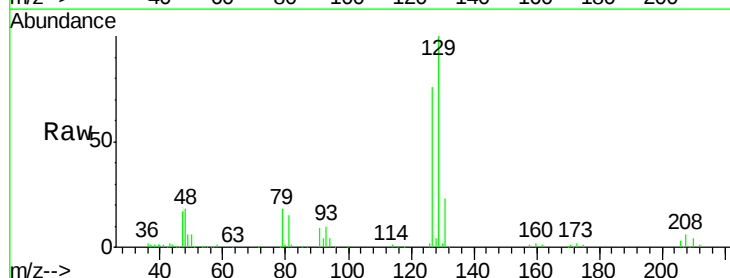
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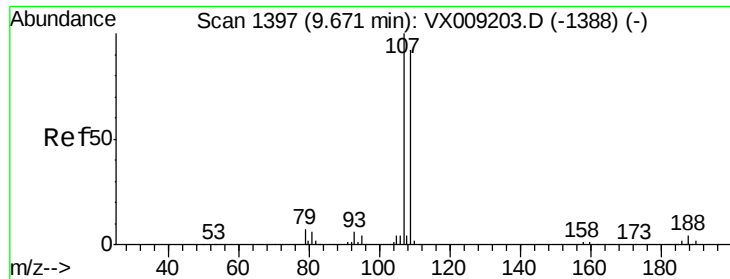
MMDadoda
5/24/2019 9:02:04 AM



#60
Dibromochloromethane
Concen: 16.422 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 129 Resp: 34271
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 16.903 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion:107 Resp: 36457

Ion Ratio Lower Upper

107 100

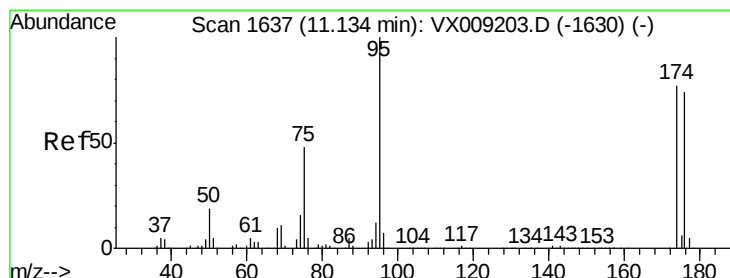
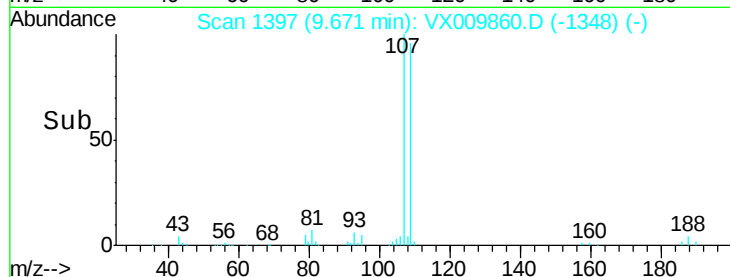
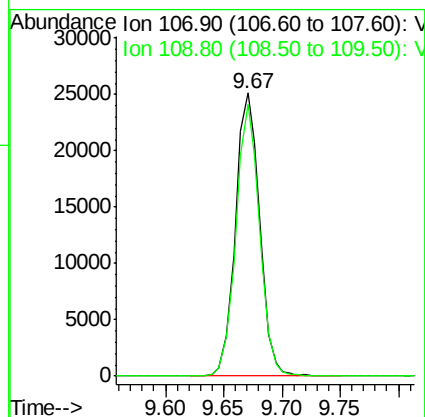
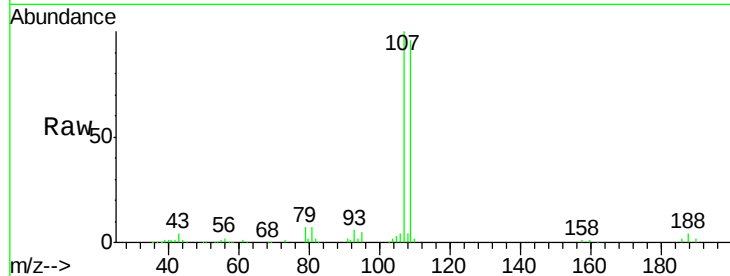
109 93.8 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 36.967 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

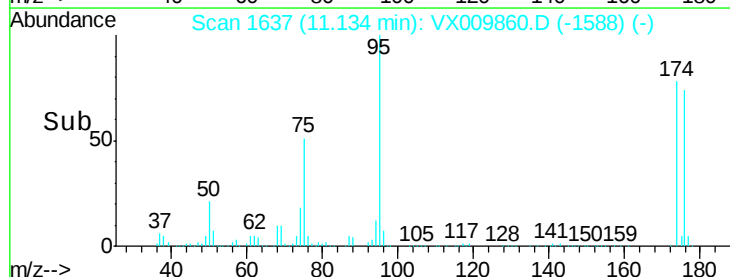
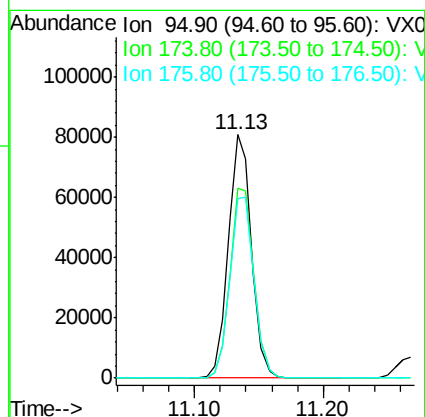
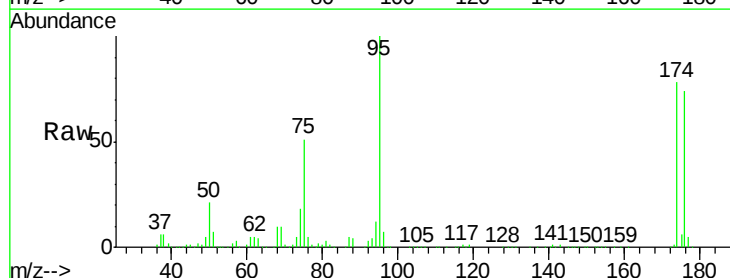
Tgt Ion: 95 Resp: 102125

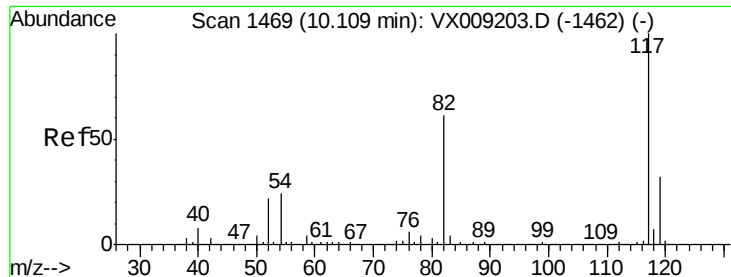
Ion Ratio Lower Upper

95 100

174 81.0 0.0 161.6

176 77.9 0.0 159.2





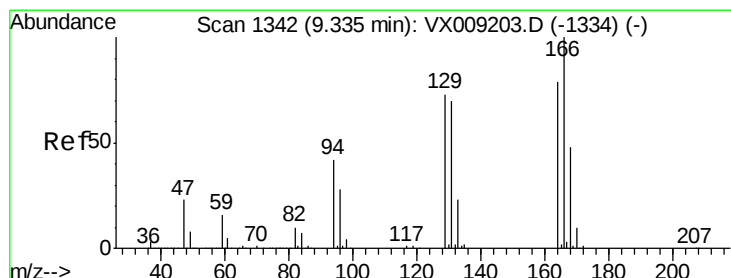
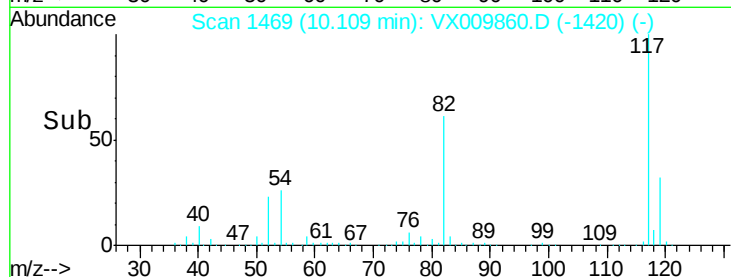
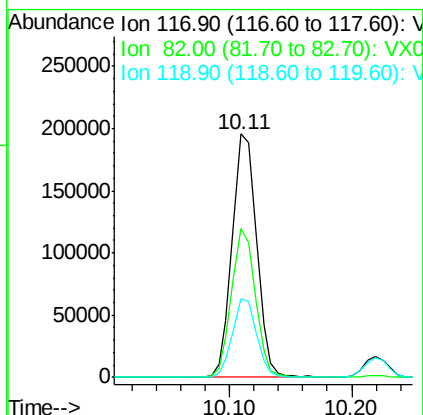
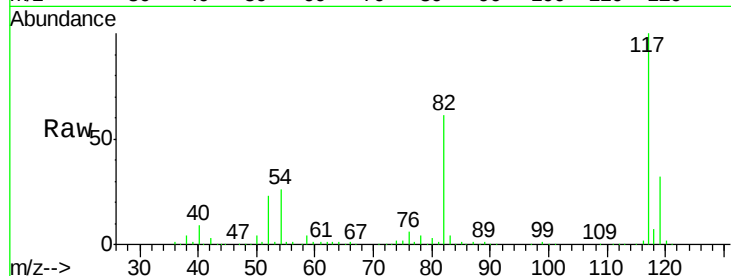
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	270982		
82	61.2	48.8	73.2	
119	32.3	25.8	38.6	

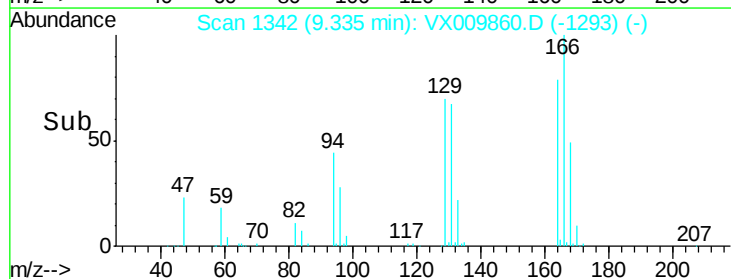
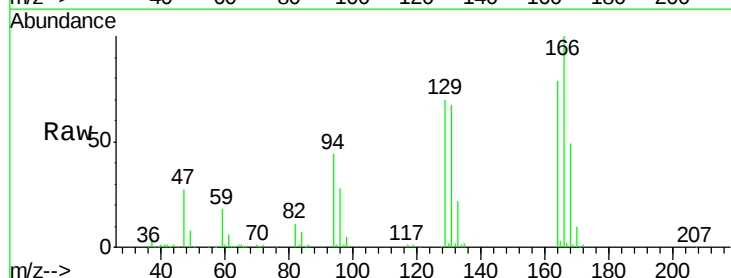
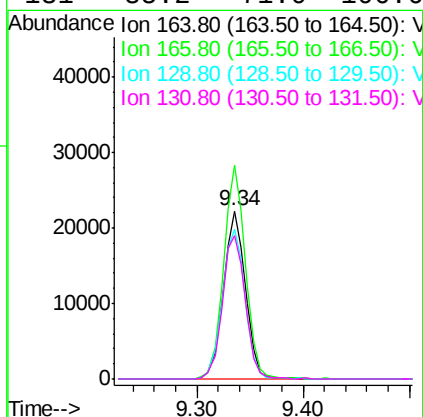
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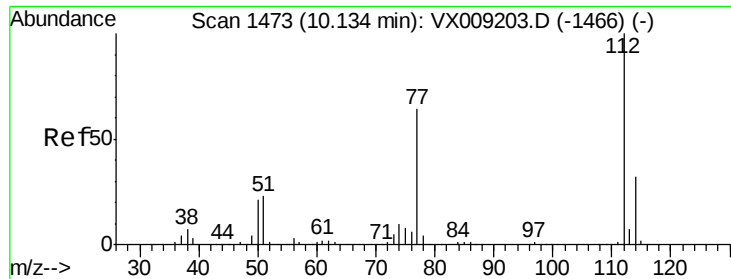
MMDadoda
5/24/2019 9:02:04 AM



#64
Tetrachloroethene
Concen: 17.302 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	32162		
166	127.0	101.2	151.8	
129	88.7	74.3	111.5	
131	85.2	71.0	106.6	





#65

Chlorobenzene

Concen: 16.830 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion:112 Resp: 91233

Ion Ratio Lower Upper

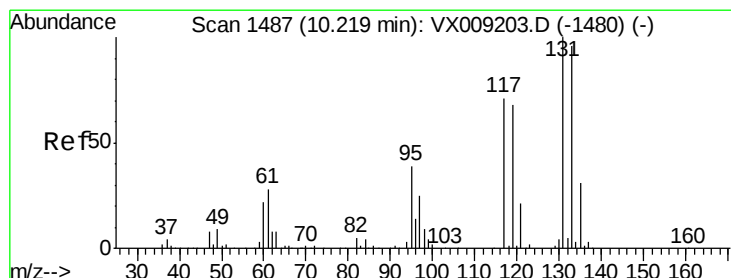
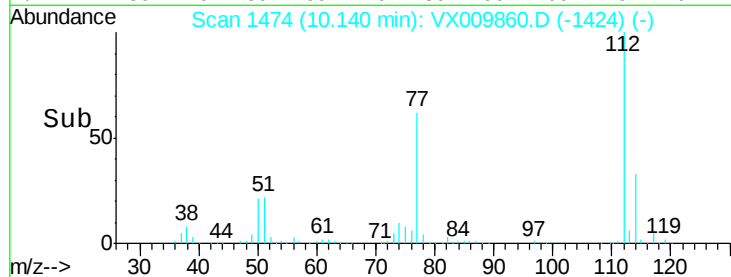
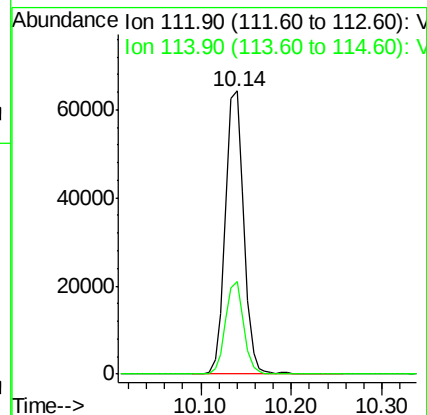
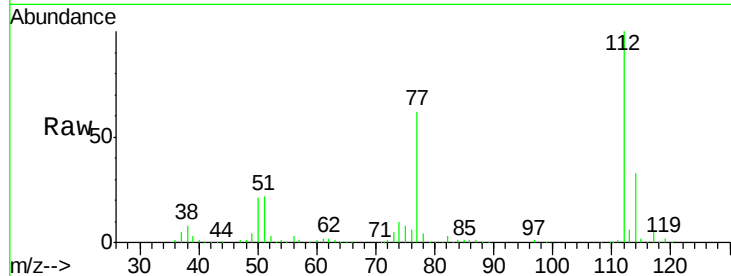
112 100

114 32.5 25.5 38.3

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#66

1,1,1,2-Tetrachloroethane

Concen: 16.588 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

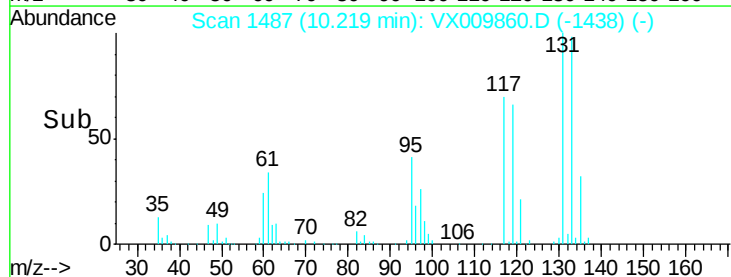
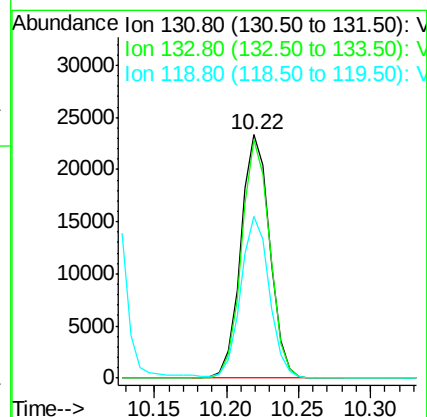
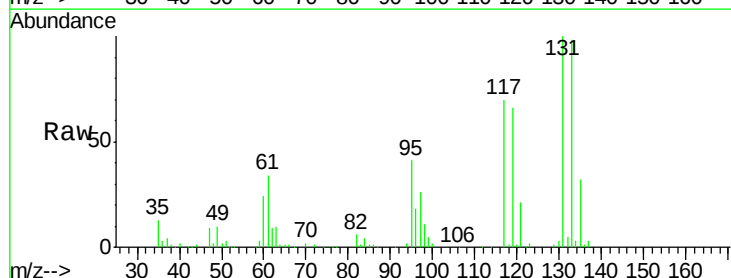
Tgt Ion:131 Resp: 32600

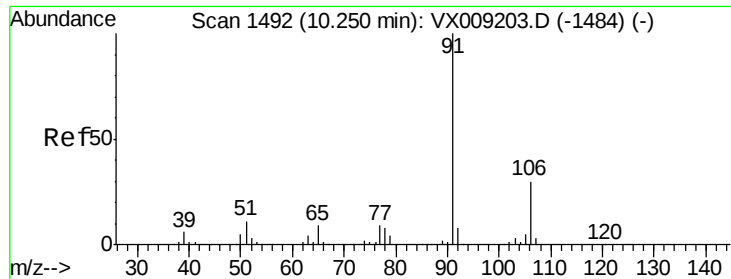
Ion Ratio Lower Upper

131 100

133 95.1 47.7 143.1

119 65.7 33.5 100.4





#67

Ethyl Benzene

Concen: 16.999 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 91 Resp: 169589

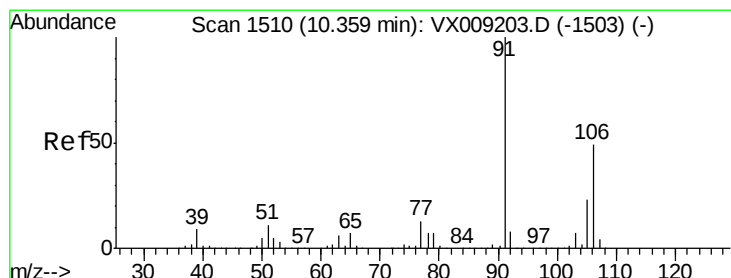
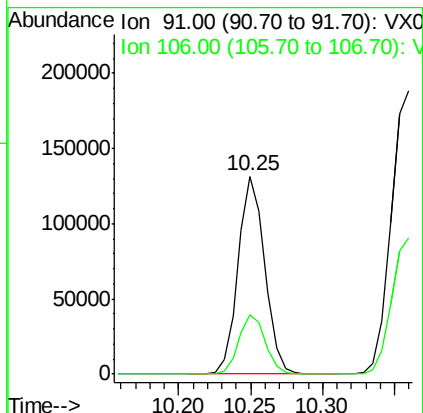
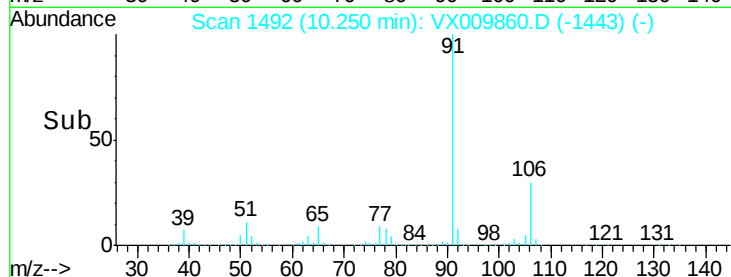
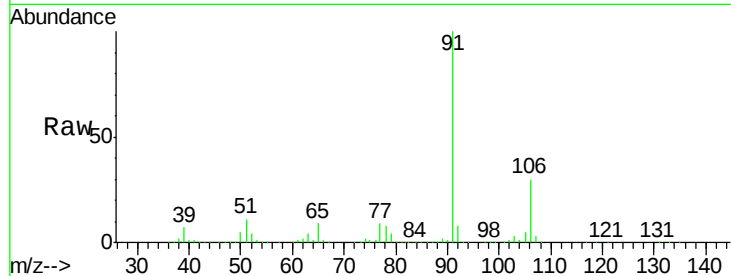
Ion Ratio Lower Upper

91 100

106 30.1 24.0 36.0

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#68

m/p-Xylenes

Concen: 33.924 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009860.D

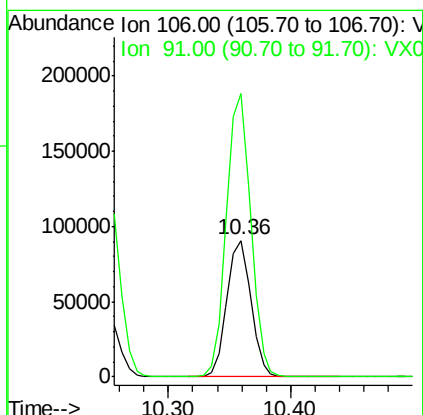
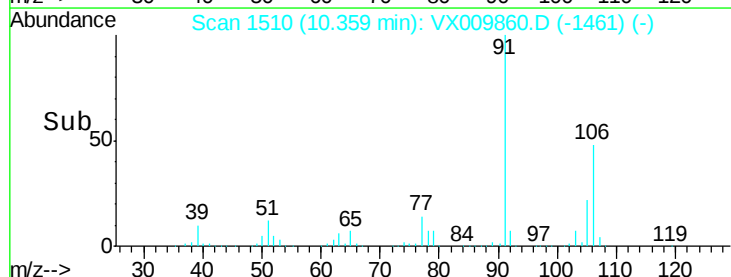
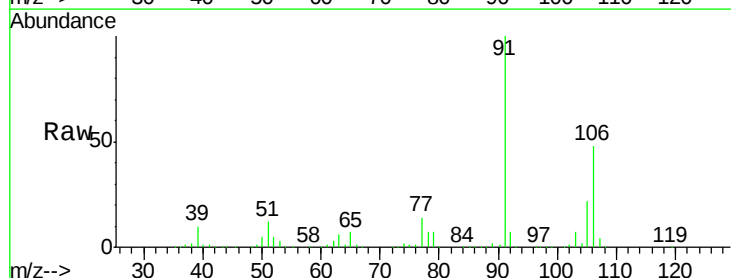
Acq: 23 May 2019 15:54

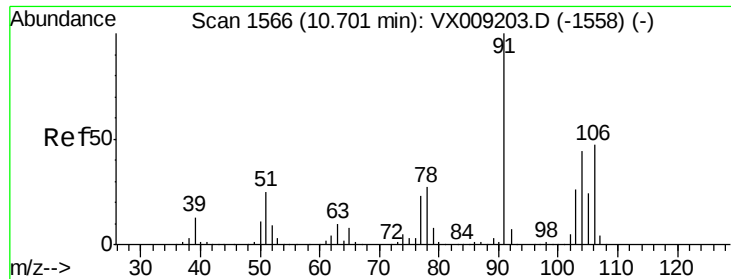
Tgt Ion: 106 Resp: 123676

Ion Ratio Lower Upper

106 100

91 210.2 164.0 246.0





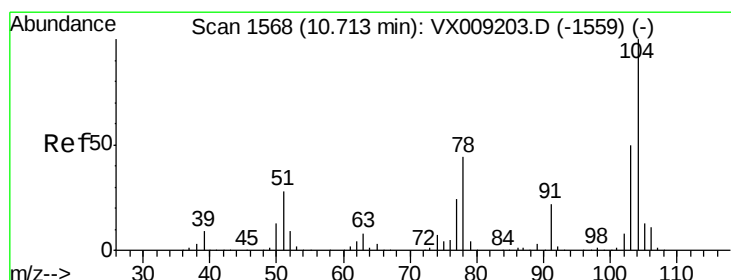
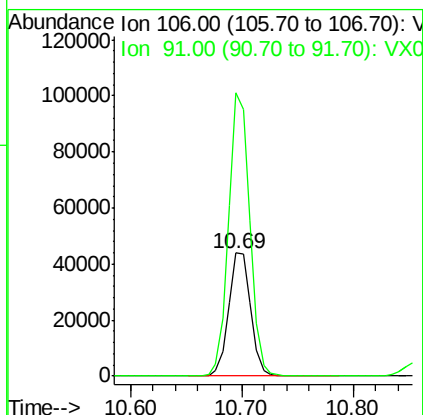
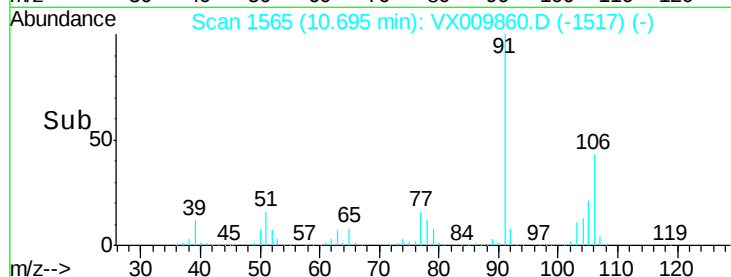
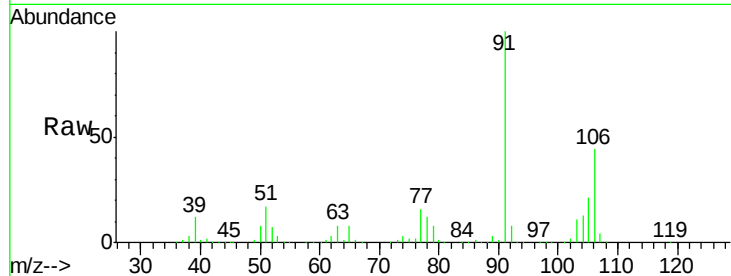
#69
o-Xylene
Concen: 16.645 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion:106 Resp: 59871
Ion Ratio Lower Upper
106 100
91 222.2 109.5 328.4

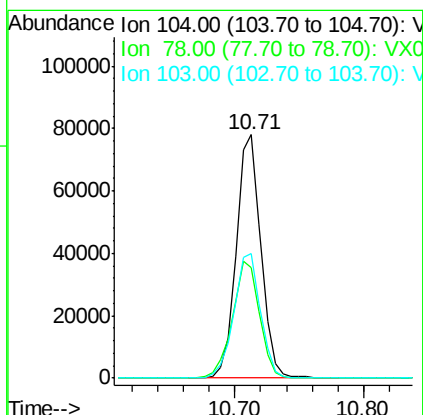
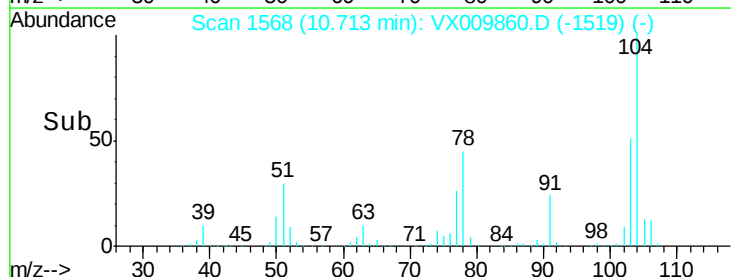
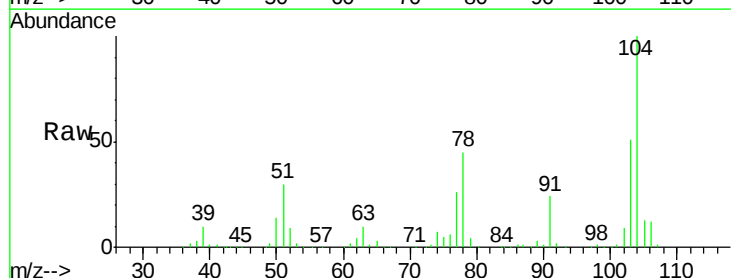
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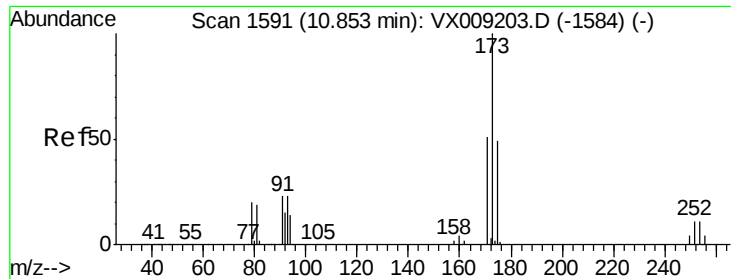
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#70
Styrene
Concen: 16.581 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion:104 Resp: 103663
Ion Ratio Lower Upper
104 100
78 53.0 41.0 61.4
103 55.9 43.8 65.6





#71

Bromoform

Concen: 15.829 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

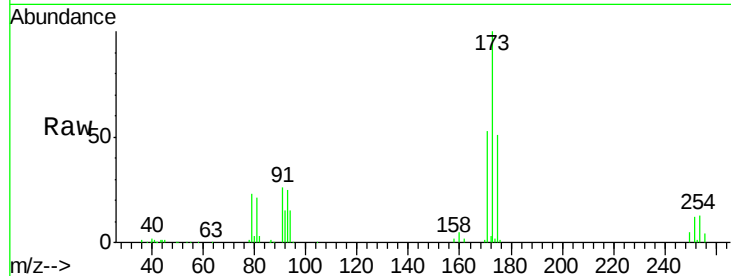
ClientSampleId :

VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.1	0.1	0.1

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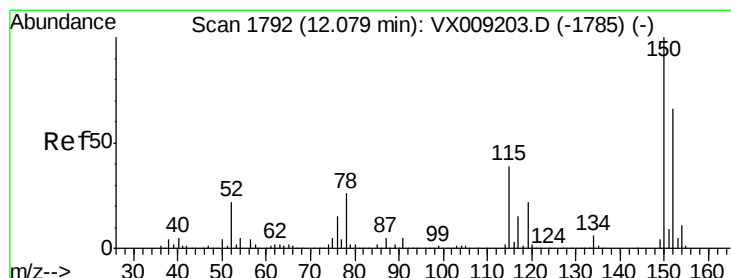
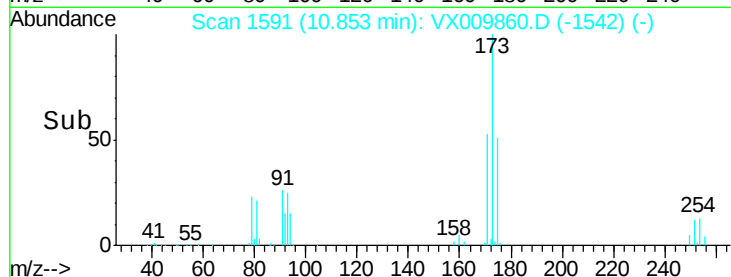
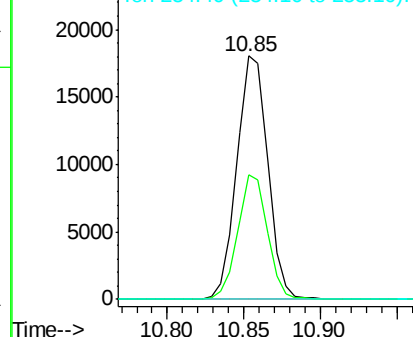


Abundance

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

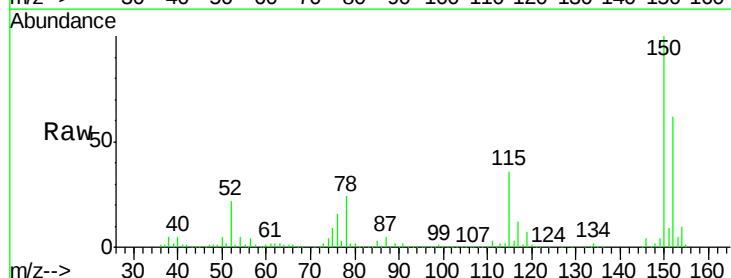
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.0	41.2	123.6
150	164.0	0.0	346.4

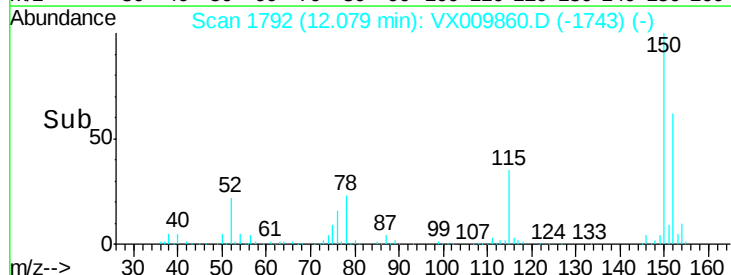
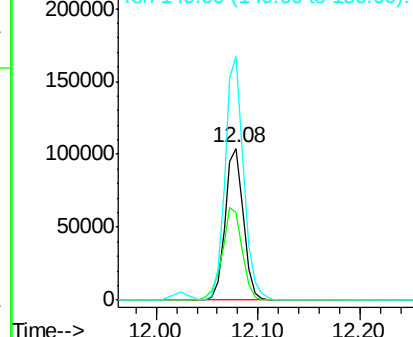


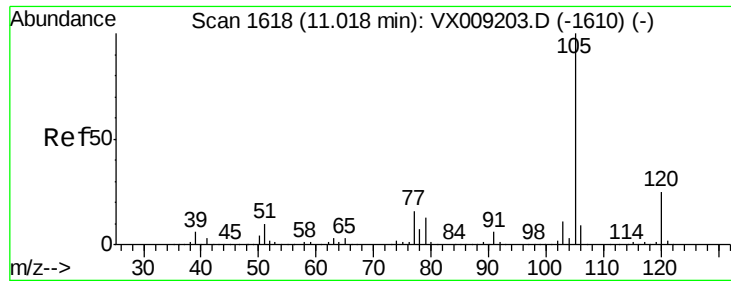
Abundance

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: 16.958 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 105 Resp: 159794

Ion Ratio Lower Upper

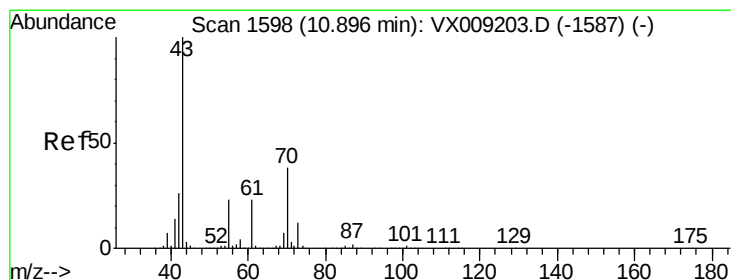
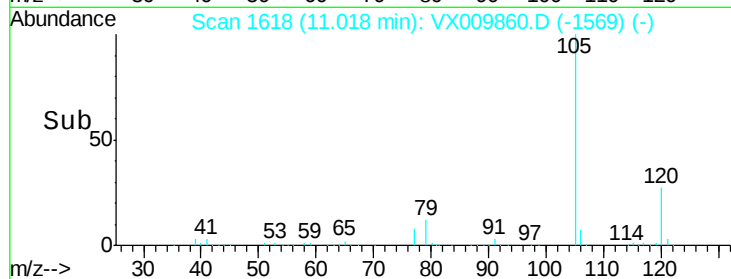
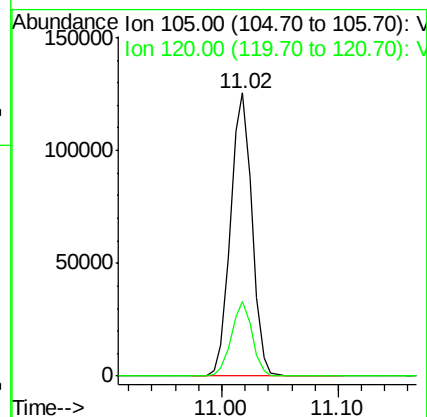
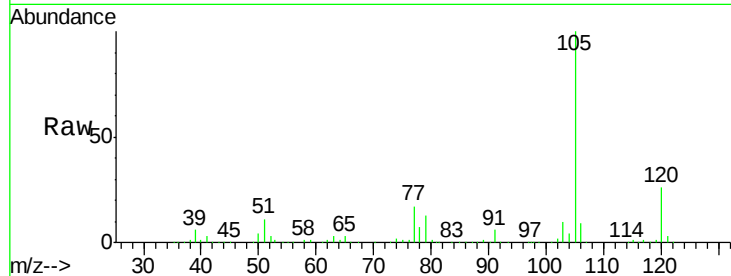
105 100

120 25.7 12.8 38.3

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#74

N-ethyl acetate

Concen: 17.842 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion: 43 Resp: 98016

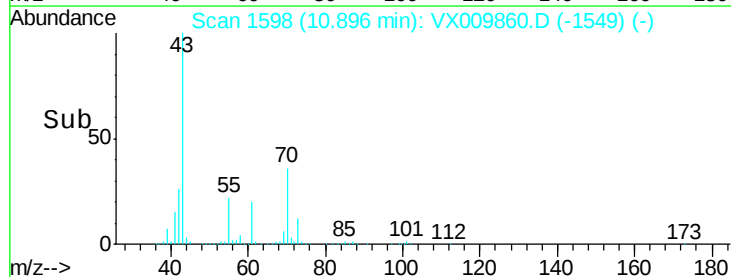
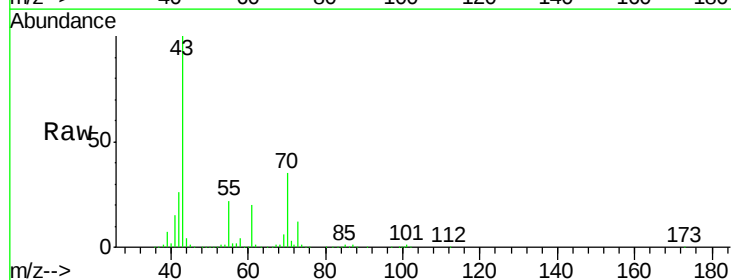
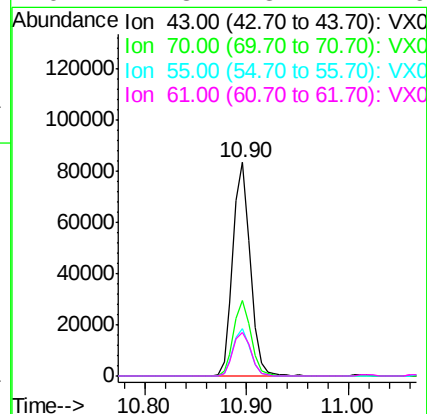
Ion Ratio Lower Upper

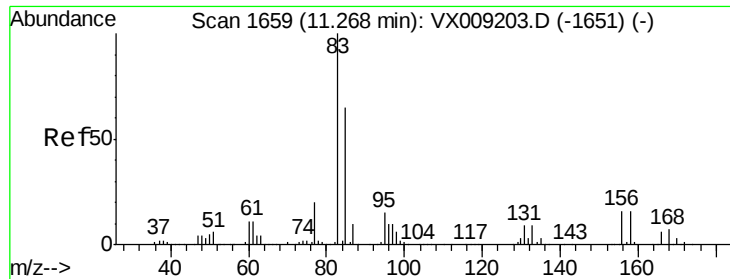
43 100

70 35.5 30.0 45.0

55 22.4 17.9 26.9

61 21.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.088 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

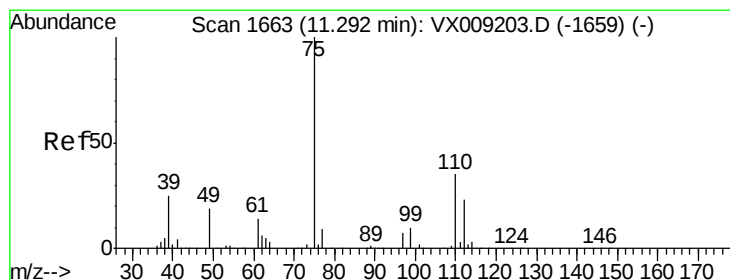
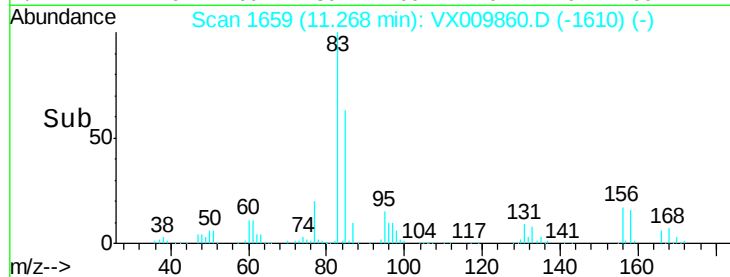
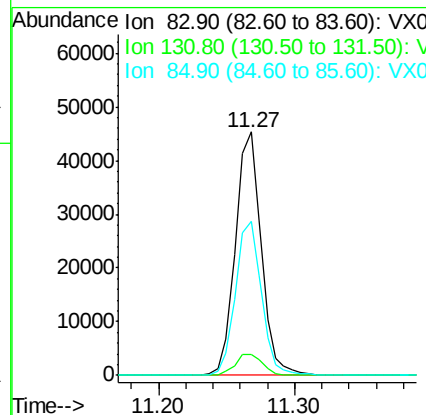
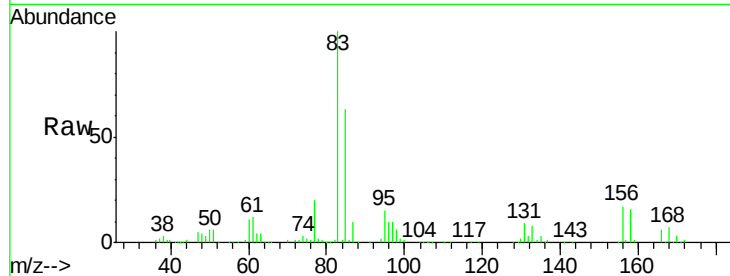
ClientSampleId :

VX0523WBSD01

Tot Ion:	83	Resp:	60027
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	63.7	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 17.084 ug/l m

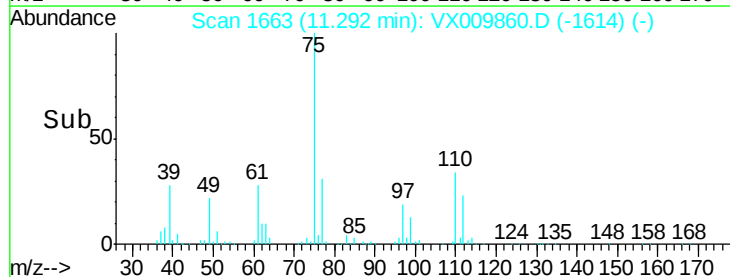
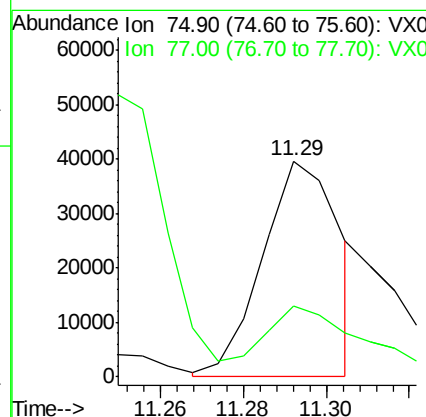
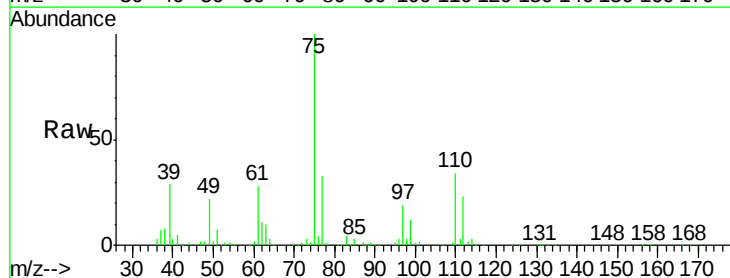
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion:	75	Resp:	51350
Ion Ratio	Lower	Upper	
75	100		
77	42.8	22.1	66.1





#77

Bromobenzene

Concen: 16.950 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

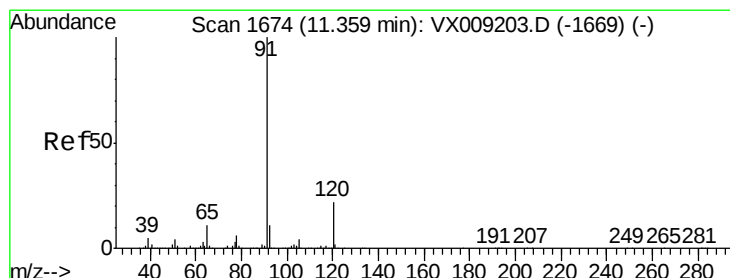
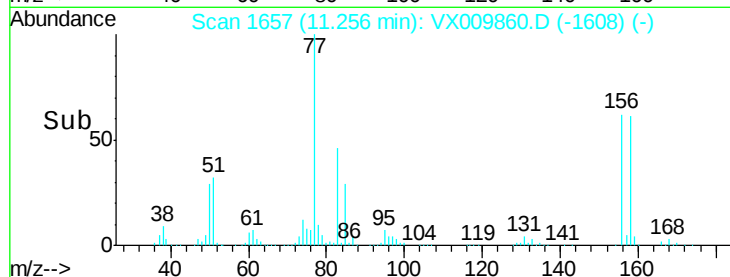
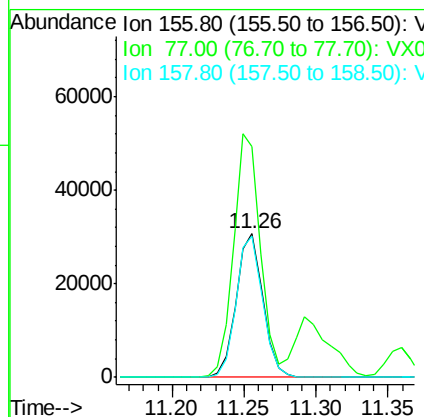
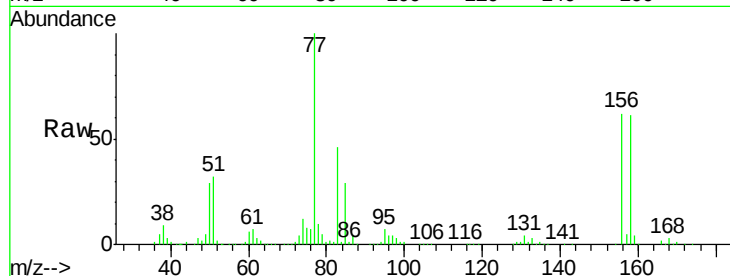
ClientSampleId :

VX0523WBSD01

Tot Ion:	156	Resp:	39644
Ion	Ratio	Lower	Upper
156	100		
77	171.1	84.8	254.3
158	98.3	49.1	147.3

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#78

n-propylbenzene

Concen: 17.309 ug/l

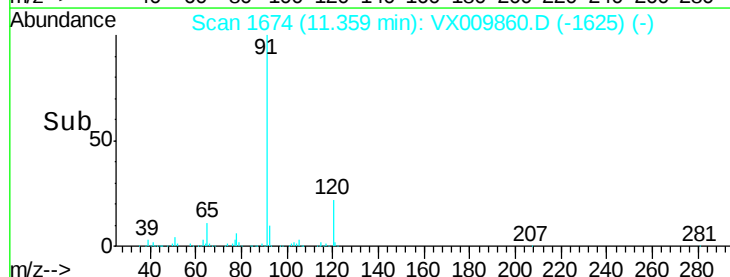
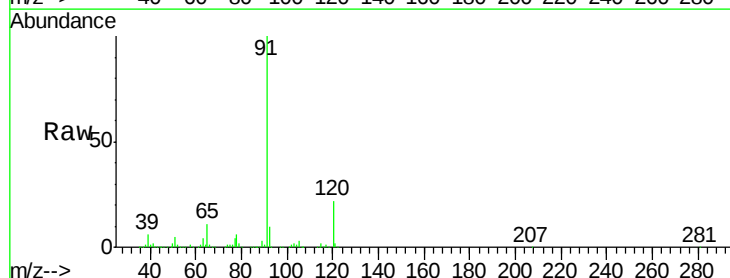
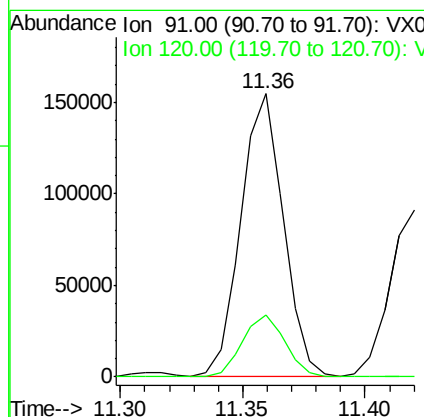
RT: 11.36 min Scan# 1674

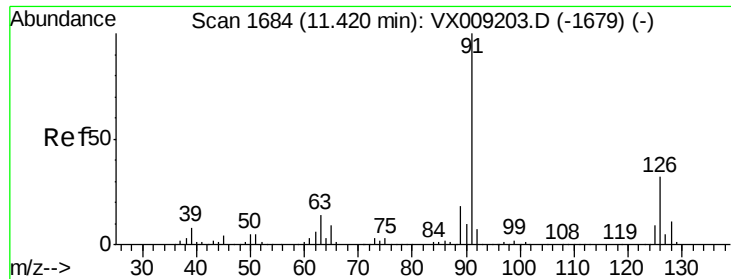
Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion:	91	Resp:	186269
Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0





#79

2-Chlorotoluene

Concen: 16.728 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 91 Resp: 111063

Ion Ratio Lower Upper

91 100

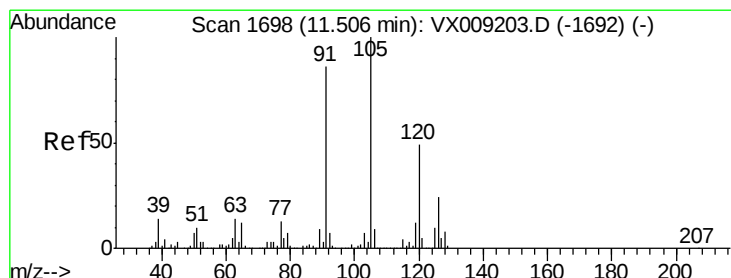
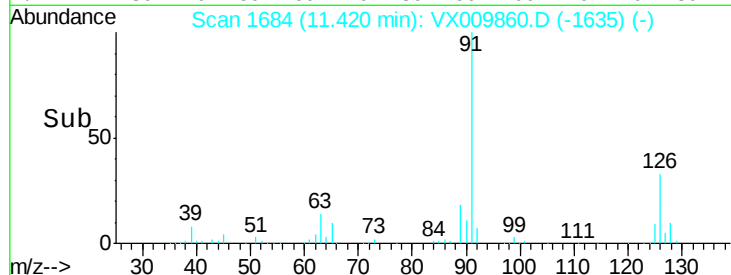
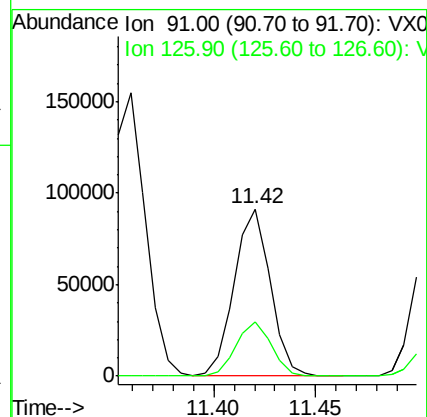
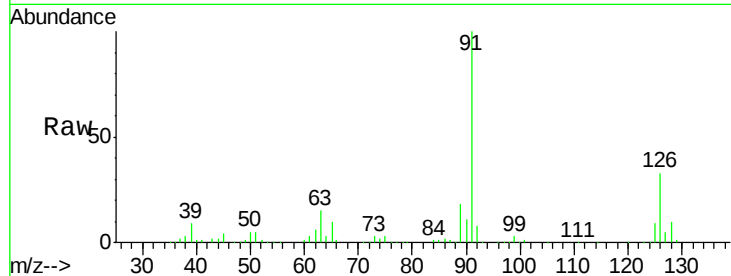
126 32.3 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 17.312 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009860.D

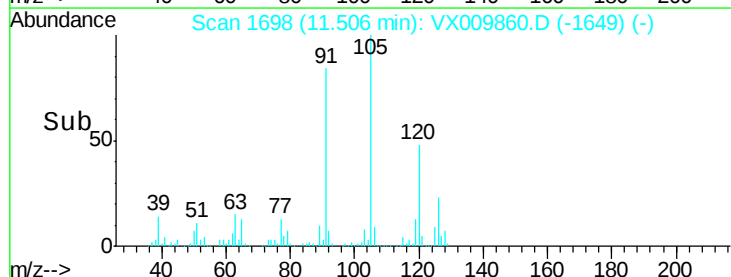
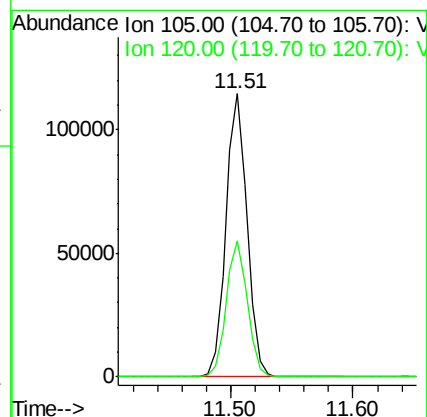
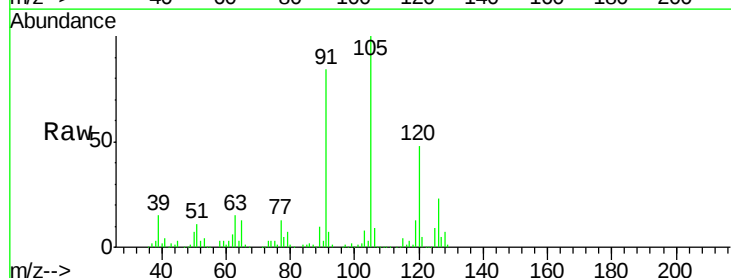
Acq: 23 May 2019 15:54

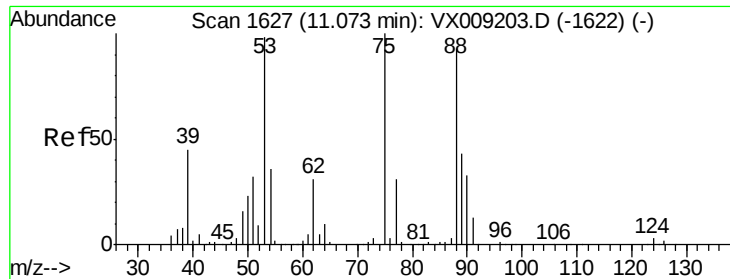
Tgt Ion: 105 Resp: 137355

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 15.584 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion: 75 Resp: 18308

Ion Ratio Lower Upper

75 100

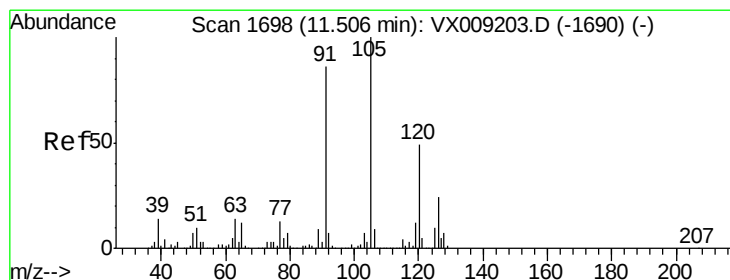
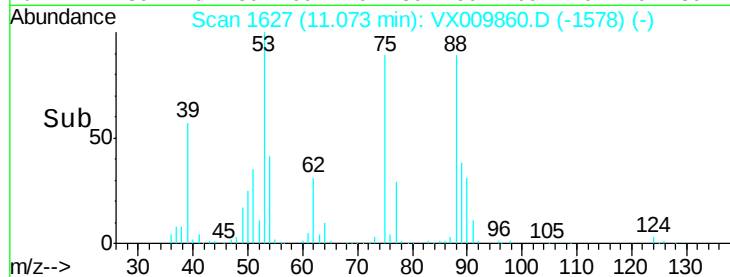
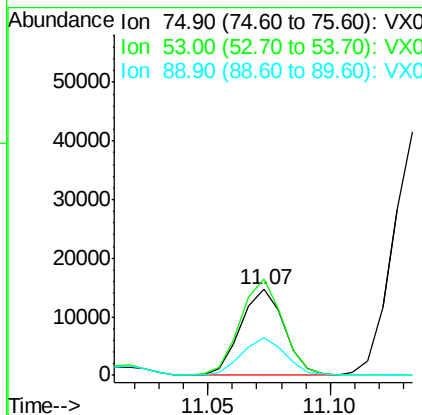
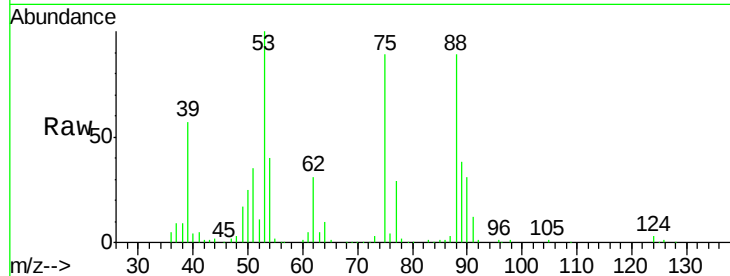
53 109.6 79.0 118.6

89 43.5 34.7 52.1

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#82

4-Chlorotoluene

Concen: 16.978 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009860.D

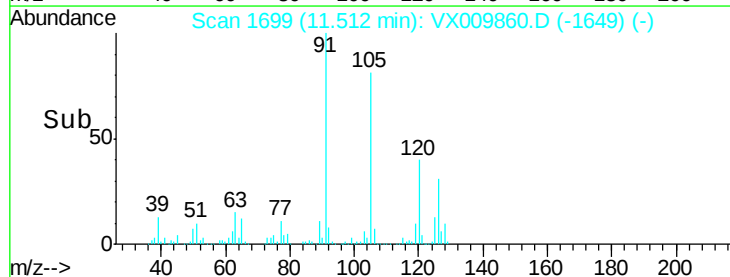
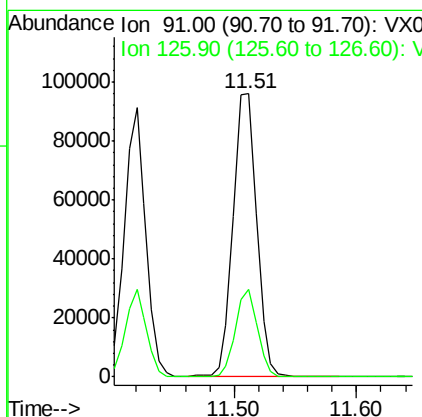
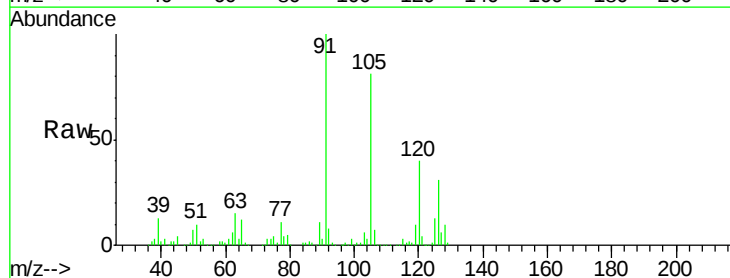
Acq: 23 May 2019 15:54

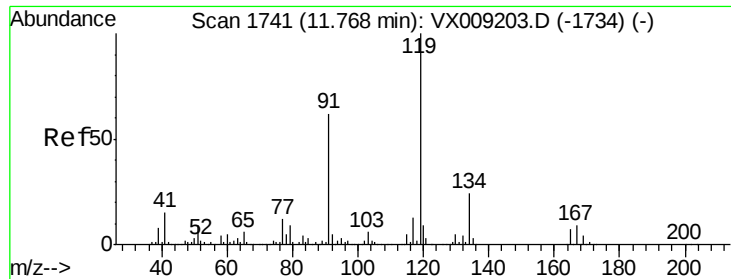
Tgt Ion: 91 Resp: 127343

Ion Ratio Lower Upper

91 100

126 29.1 14.5 43.6





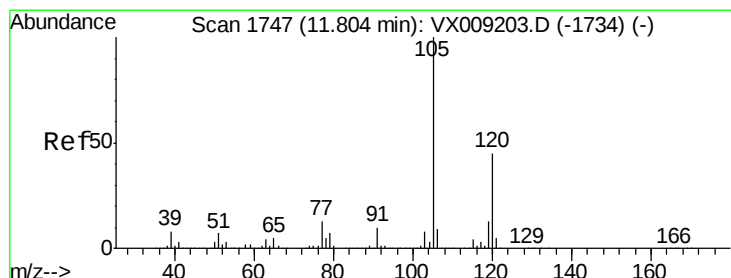
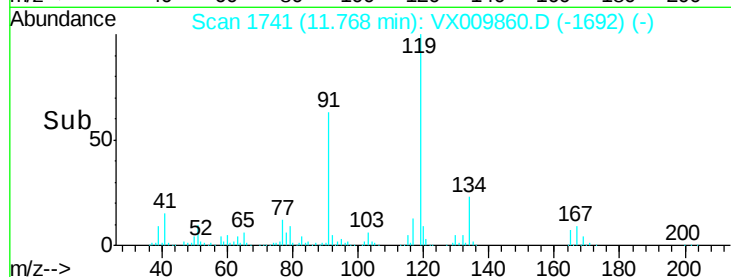
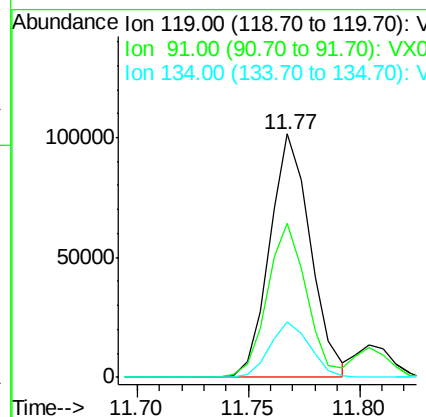
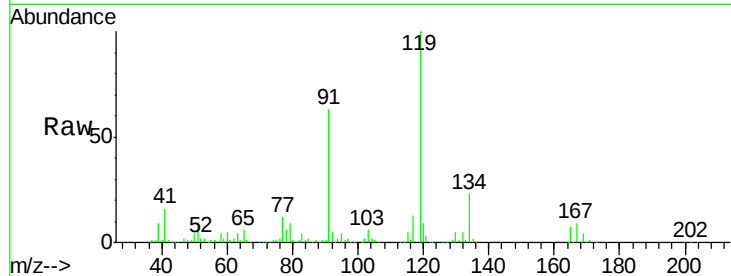
#83
tert-Butylbenzene
Concen: 16.702 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	61.2	29.5	88.5	
134	22.5	11.4	34.1	

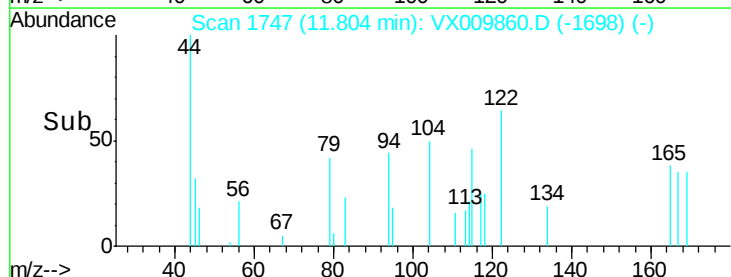
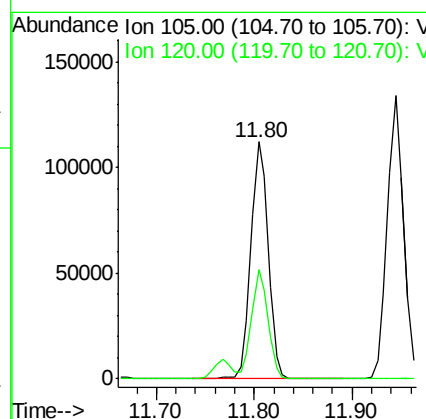
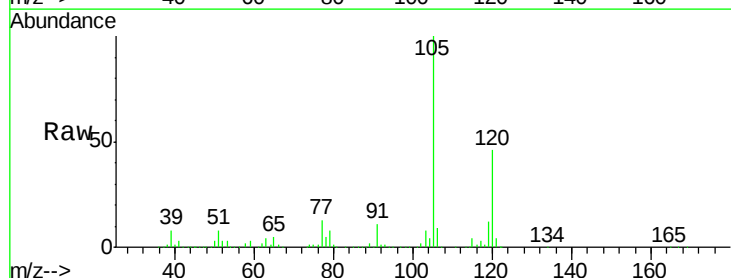
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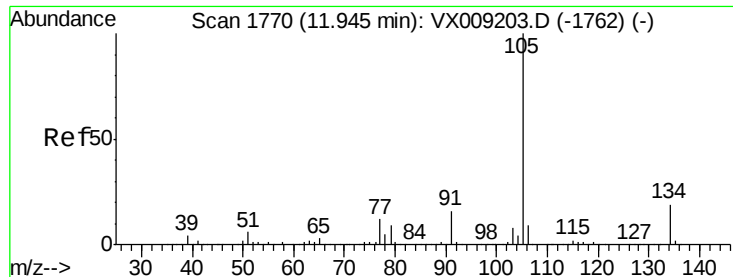
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#84
1,2,4-Trimethylbenzene
Concen: 17.430 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	43.3	22.0	66.0	





#85

sec-Butylbenzene

Concen: 17.068 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0523WBSD01

Tot Ion:105 Resp: 156184

Ion Ratio Lower Upper

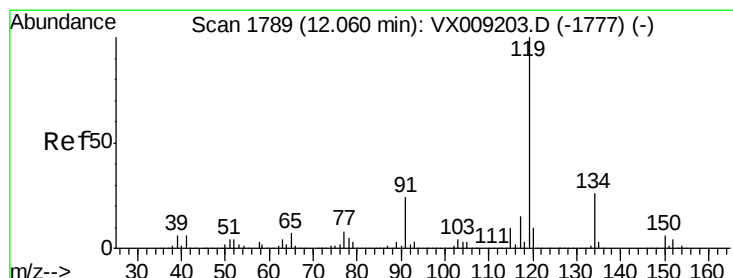
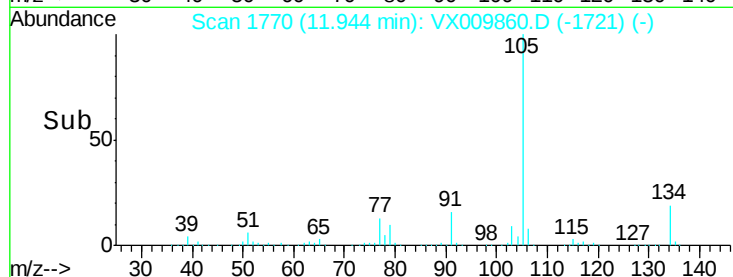
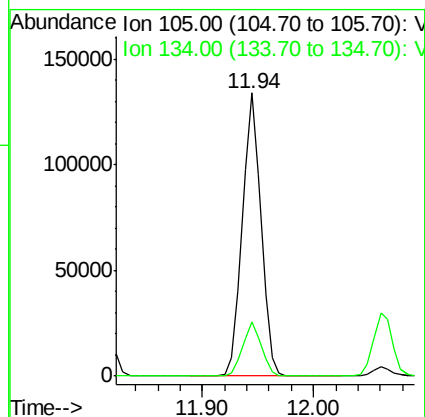
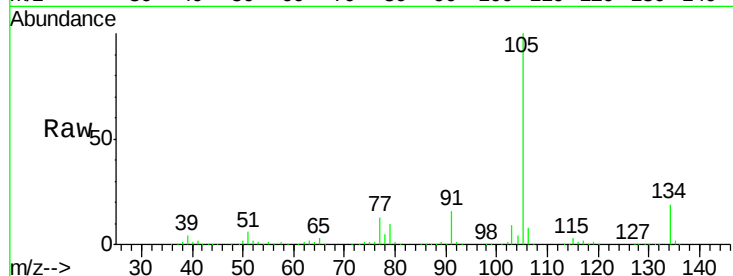
105 100

134 19.0 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 16.938 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

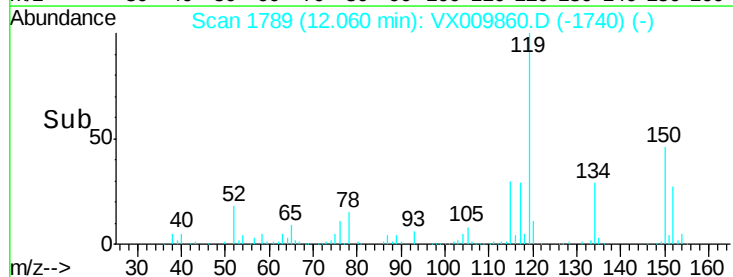
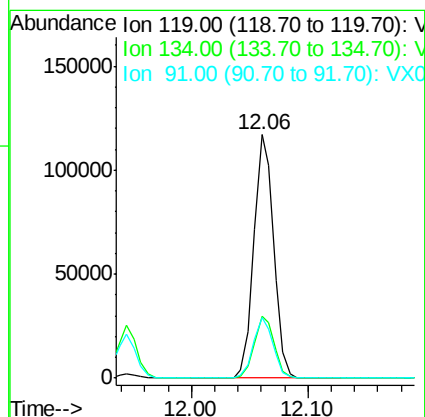
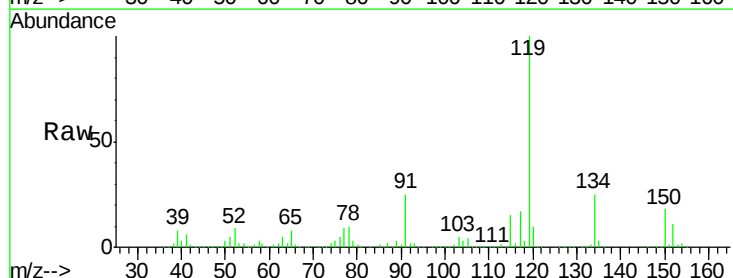
Tgt Ion:119 Resp: 139335

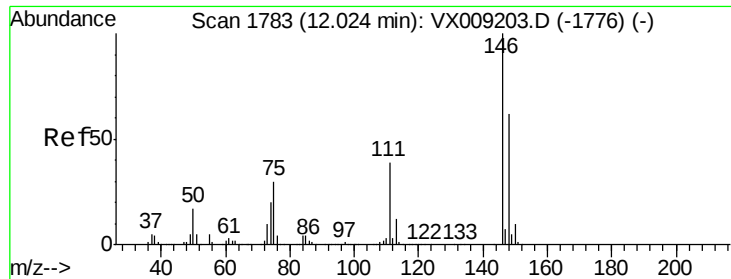
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 25.0 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 16.752 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

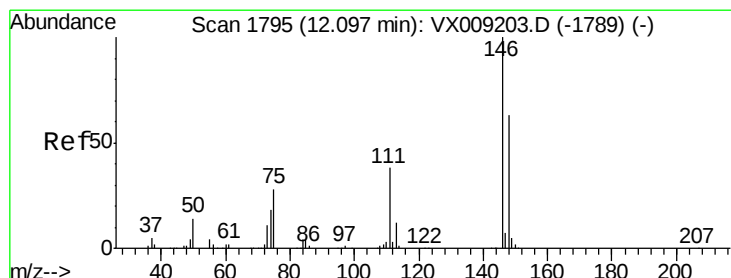
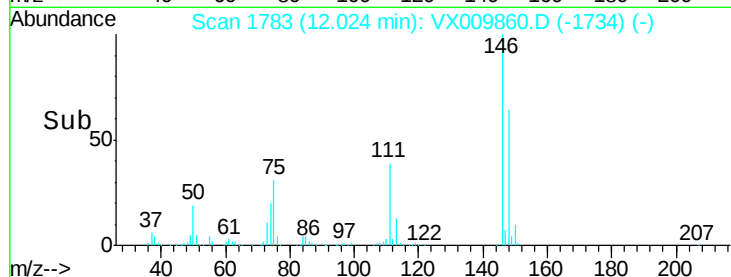
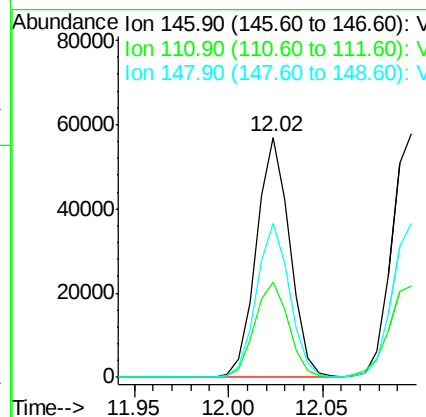
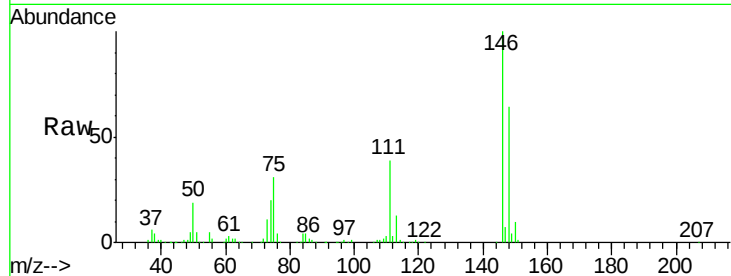
ClientSampled :

VX0523WBSD01

Tot Ion:	146	Resp:	69845
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.0	59.9
148	63.8	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 16.823 ug/l

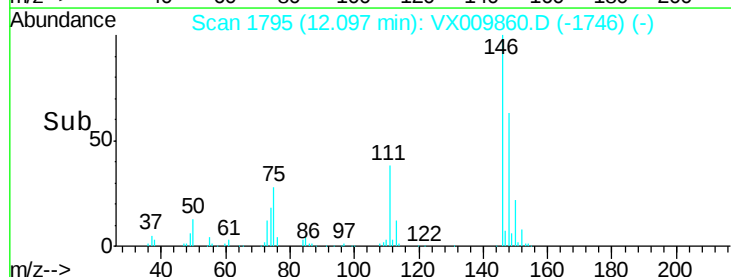
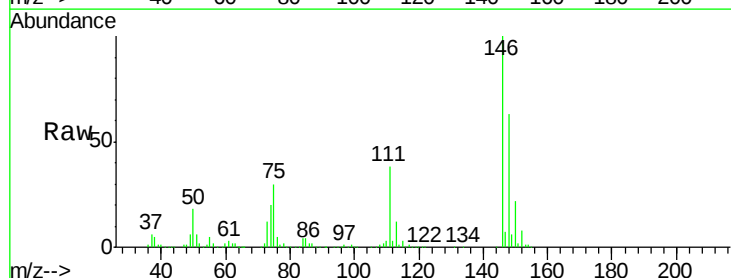
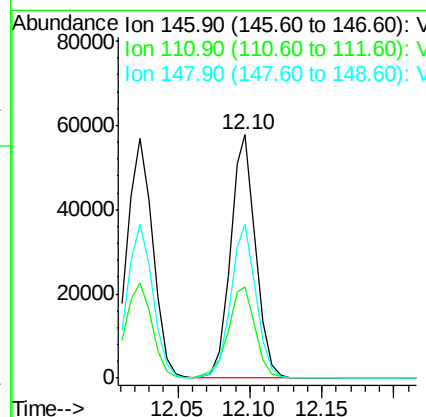
RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion:	146	Resp:	70716
Ion Ratio	Lower	Upper	
146	100		
111	41.1	19.6	58.8
148	63.6	31.8	95.3





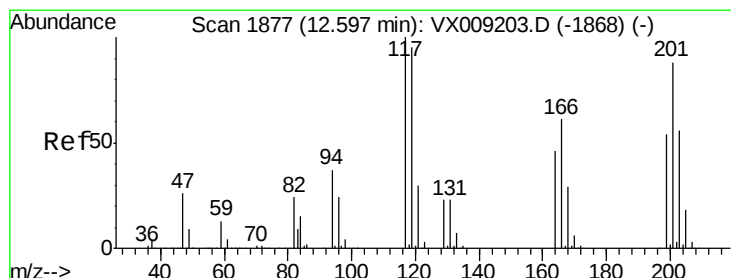
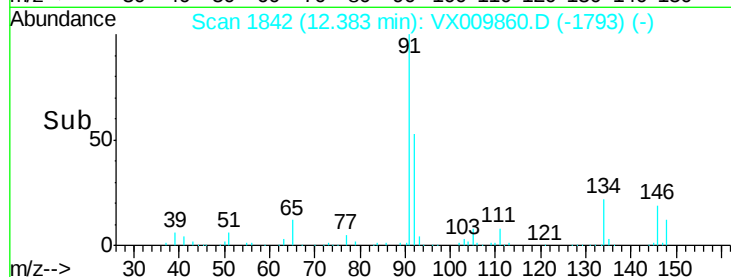
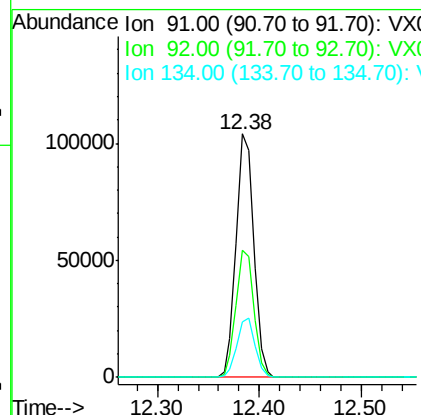
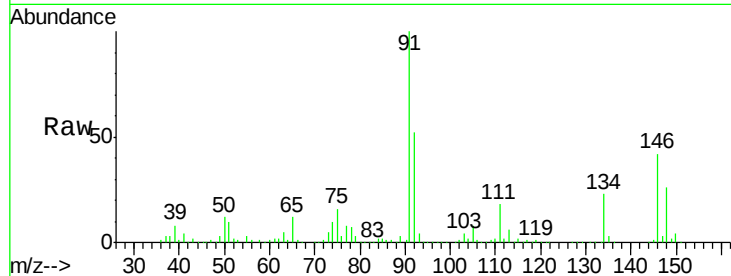
#89
n-Butylbenzene
Concen: 16.801 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	124917		
92	53.0	26.5	79.5	
134	24.6	12.4	37.2	

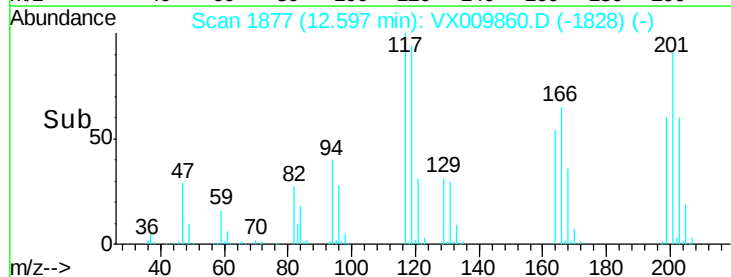
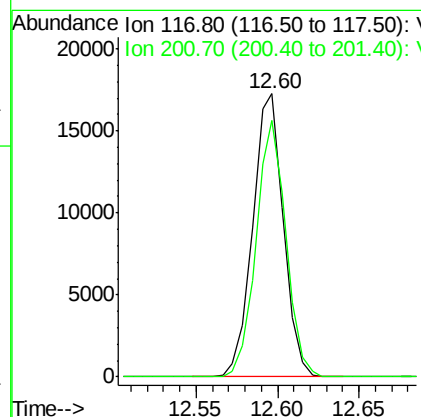
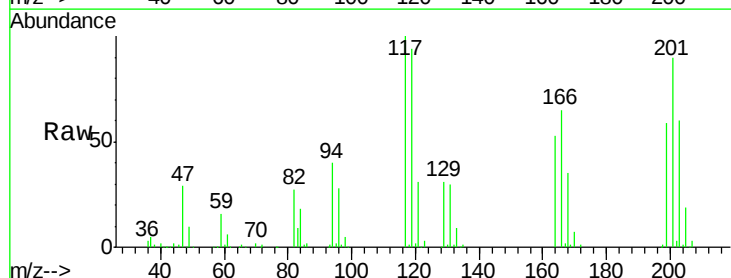
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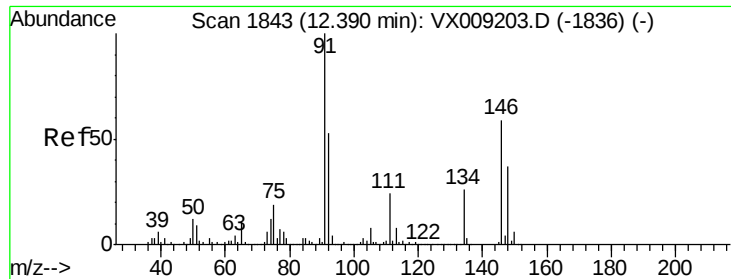
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#90
Hexachloroethane
Concen: 16.153 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	22638		
201	87.6	42.3	126.9	





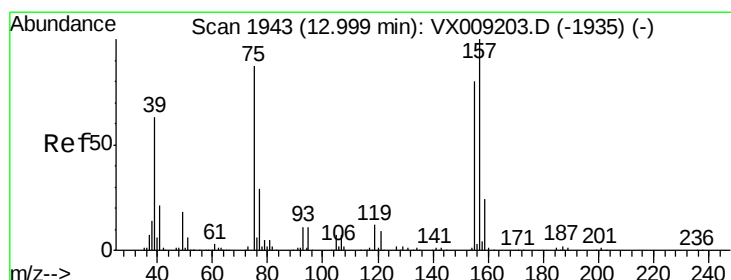
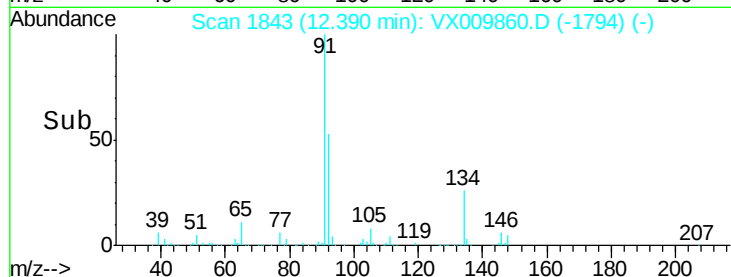
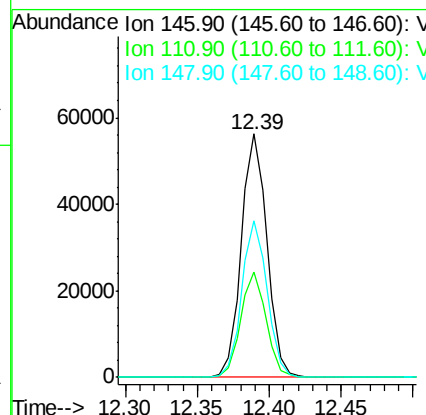
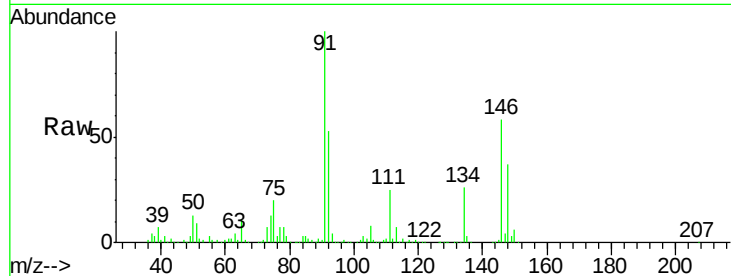
#91
 1,2-Dichlorobenzene
 Concen: 16.448 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.8	62.4
148	63.6	31.9	95.9

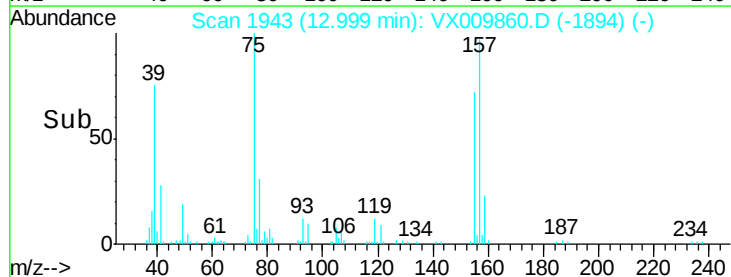
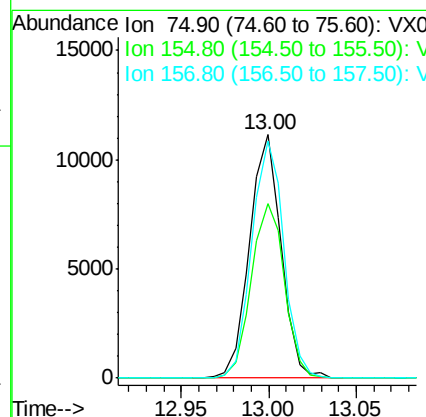
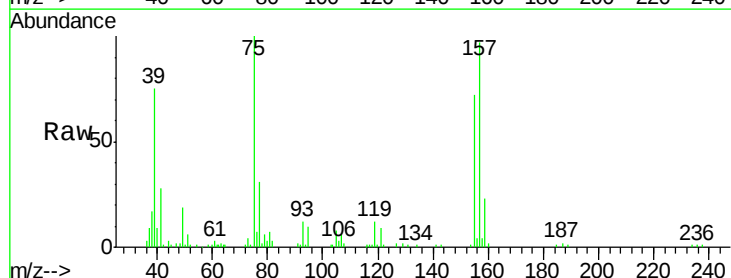
Manual Integrations
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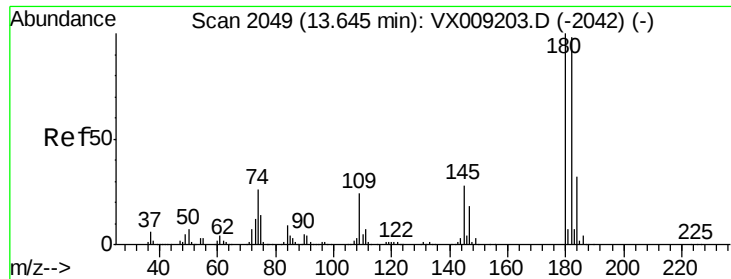
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 5/24/2019 9:02:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.765 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	42.0	126.0
157	98.7	53.2	159.6





#93

1,2,4-Trichlorobenzene

Concen: 16.770 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

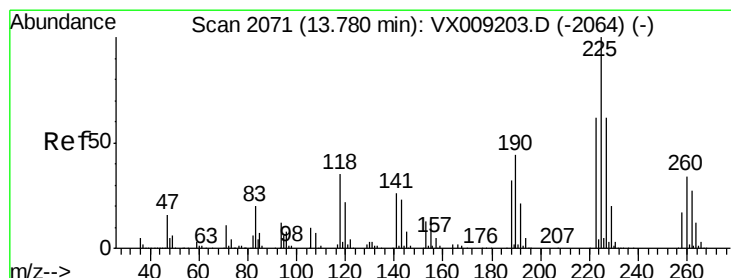
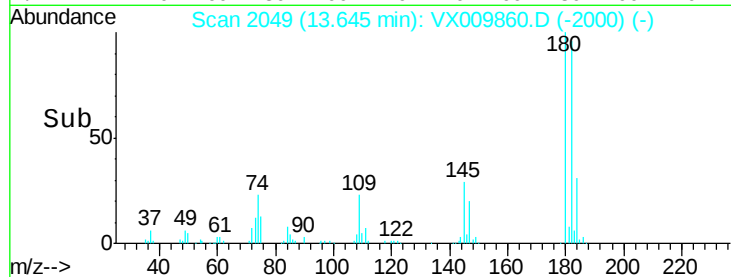
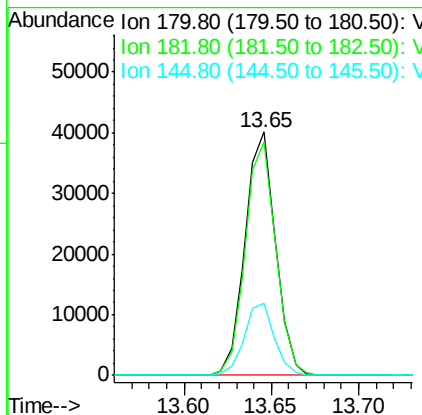
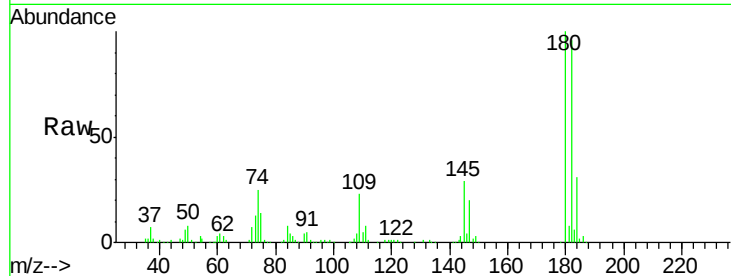
ClientSampleId :

VX0523WBSD01

Tot Ion:	180	Resp:	48701
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.4	145.2
145	29.2	14.6	43.8

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:02:04 AM



#94

Hexachlorobutadiene

Concen: 16.791 ug/l

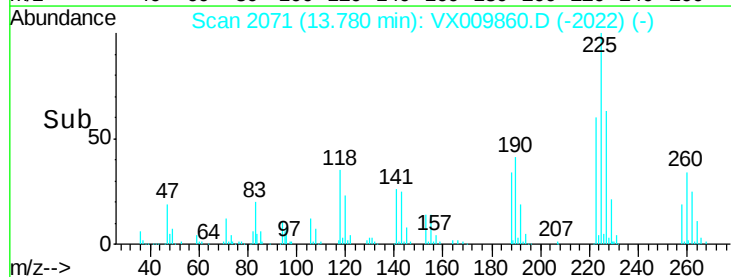
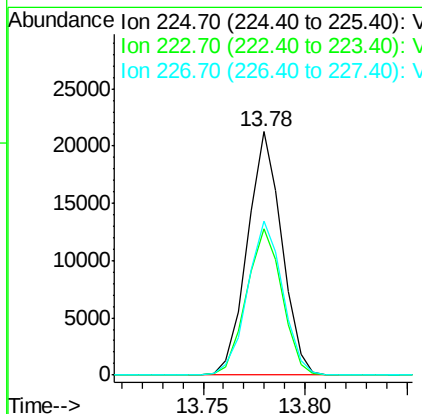
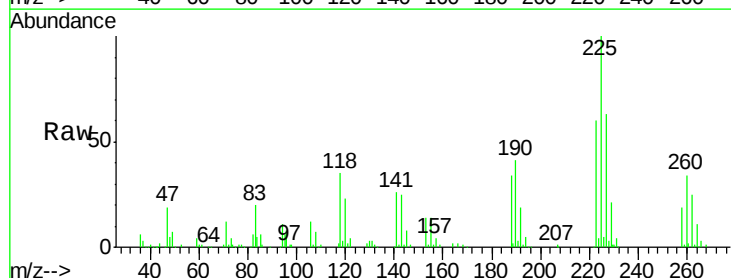
RT: 13.78 min Scan# 2071

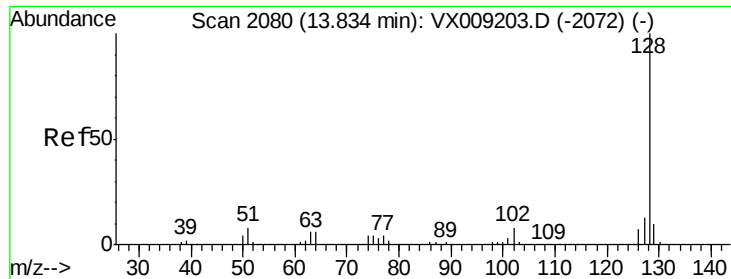
Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion:	225	Resp:	24900
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.3	93.8
227	65.0	31.8	95.3





#95

Naphthalene

Concen: 16.560 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

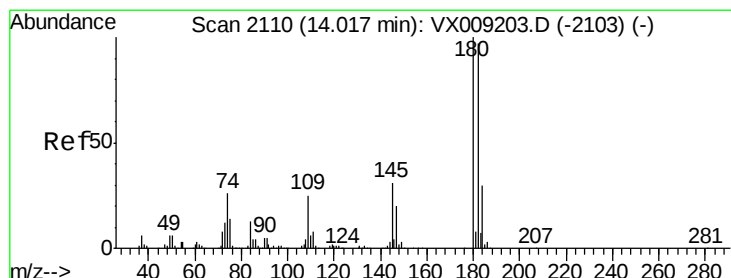
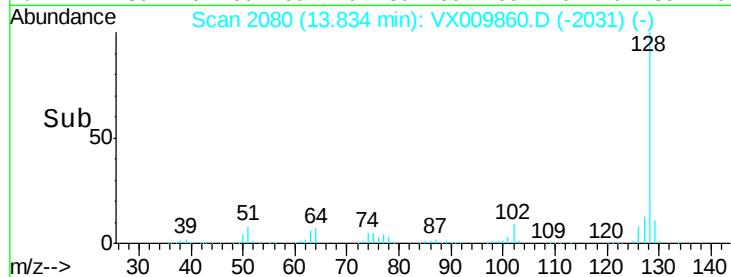
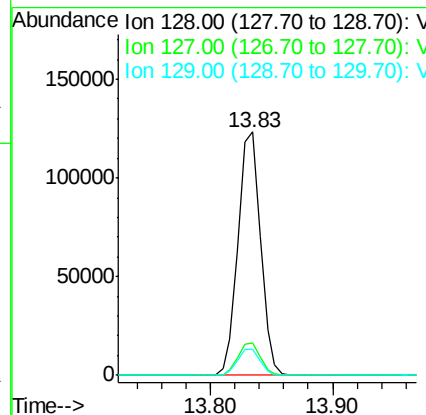
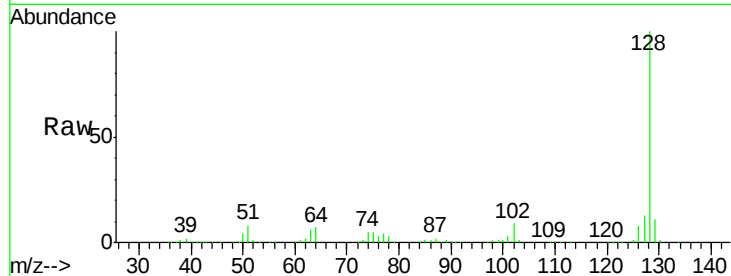
ClientSampleId :

VX0523WBSD01

Tot Ion:	128	Resp:	156464
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:02:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.373 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion:	180	Resp:	48197
Ion Ratio	Lower	Upper	
180	100		
182	98.3	47.8	143.4
145	31.6	15.4	46.4

