

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051419\
 Data File : VX009564.D
 Acq On : 14 May 2019 16:03
 Operator : JC/SP
 Sample : VX0514WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 12:25:51 PM

Quant Time: May 15 08:40:25 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	158363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	249014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	97794	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	5.49	113	72983	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
50) Toluene-d8	8.71	98	289987	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
62) 4-Bromofluorobenzene	11.13	95	105484	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25252	17.304	ug/l	99
3) Chloromethane	1.32	50	37942	19.044	ug/l	97
4) Vinyl Chloride	1.41	62	37230	19.163	ug/l	97
5) Bromomethane	1.64	94	22809	19.560	ug/l	97
6) Chloroethane	1.72	64	24527	19.663	ug/l	98
7) Trichlorofluoromethane	1.93	101	47347	20.049	ug/l	97
8) Diethyl Ether	2.19	74	22146	19.797	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29210	19.696	ug/l	98
10) Methyl Iodide	2.51	142	32741	21.849	ug/l	99
11) Tert butyl alcohol	3.04	59	46695	93.313	ug/l	98
12) 1,1-Dichloroethene	2.37	96	29440	19.813	ug/l	95
13) Acrolein	2.29	56	33645	74.240	ug/l	99
14) Allyl chloride	2.73	41	67920	18.756	ug/l	97
15) Acrylonitrile	3.14	53	118874	97.155	ug/l	99
16) Acetone	2.44	43	113617	97.876	ug/l	96
17) Carbon Disulfide	2.57	76	78661	18.856	ug/l	100
18) Methyl Acetate	2.78	43	53805	19.490	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	114923	19.917	ug/l	98
20) Methylene Chloride	2.86	84	35772	19.032	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	31641	19.635	ug/l	99
22) Diisopropyl ether	3.85	45	139527	20.036	ug/l	95
23) Vinyl Acetate	3.81	43	615228	103.170	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67391	19.617	ug/l	99
25) 2-Butanone	4.67	43	178554	98.983	ug/l	98
26) 2,2-Dichloropropane	4.59	77	49703	19.437	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	38292	19.908	ug/l	99
28) Bromochloromethane	5.01	49	23548	15.116	ug/l	99
29) Tetrahydrofuran	5.13	42	115411	99.424	ug/l	100
30) Chloroform	5.21	83	62671	20.170	ug/l	98
31) Cyclohexane	5.58	56	64343	20.131	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	50882	19.672	ug/l	99
36) 1,1-Dichloropropene	5.80	75	47750	20.634	ug/l	100
37) Ethyl Acetate	4.83	43	67406	20.906	ug/l	99
38) Carbon Tetrachloride	5.79	117	42096	20.022	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: May 15 08:40:25 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	56611	19.920	ug/l	95
40) Benzene	6.15	78	146356	20.436	ug/l	98
41) Methacrylonitrile	5.04	41	37322	19.446	ug/l	97
42) 1,2-Dichloroethane	6.19	62	53592	20.861	ug/l	100
43) Isopropyl Acetate	6.44	43	104694	20.300	ug/l	100
44) Trichloroethene	7.21	130	34325	19.825	ug/l	97
45) 1,2-Dichloropropane	7.51	63	41591	20.509	ug/l	98
46) Dibromomethane	7.66	93	24016	20.393	ug/l	99
47) Bromodichloromethane	7.90	83	47190	20.089	ug/l	98
48) Methyl methacrylate	7.77	41	52242	20.417	ug/l	99
49) 1,4-Dioxane	7.74	88	19763	380.863	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	342513	101.607	ug/l	100
52) Toluene	8.78	92	88631	20.359	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52793	19.906	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	59702	20.338	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	35998	20.268	ug/l	96
56) Ethyl methacrylate	9.18	69	63743	20.106	ug/l	99
57) 1,3-Dichloropropane	9.37	76	64137	20.521	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	152544	90.697	ug/l	100
59) 2-Hexanone	9.49	43	262607	99.190	ug/l	99
60) Dibromochloromethane	9.58	129	34665	19.983	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36512	20.365	ug/l	99
64) Tetrachloroethene	9.34	164	31128	20.258	ug/l	98
65) Chlorobenzene	10.13	112	90978	20.302	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	33019	20.324	ug/l	99
67) Ethyl Benzene	10.25	91	167460	20.305	ug/l	100
68) m/p-Xylenes	10.36	106	125103	41.511	ug/l	99
69) o-Xylene	10.69	106	61688	20.746	ug/l	99
70) Styrene	10.71	104	104500	20.220	ug/l	98
71) Bromoform	10.85	173	25669	19.443	ug/l #	98
73) Isopropylbenzene	11.02	105	162317	20.467	ug/l	100
74) N-amyl acetate	10.90	43	91116	19.706	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	59145	20.005	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	51062m	20.184	ug/l	
77) Bromobenzene	11.26	156	40209	20.427	ug/l	98
78) n-propylbenzene	11.36	91	187021	20.649	ug/l	100
79) 2-Chlorotoluene	11.42	91	110809	19.830	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	136754	20.479	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18290	18.499	ug/l	92
82) 4-Chlorotoluene	11.51	91	126781	20.083	ug/l	99
83) tert-Butylbenzene	11.77	119	132378	20.378	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	138330	20.638	ug/l	100
85) sec-Butylbenzene	11.94	105	155684	20.215	ug/l	100
86) p-Isopropyltoluene	12.06	119	143168	20.678	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	70950	20.219	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	71076	20.090	ug/l	99
89) n-Butylbenzene	12.38	91	127215	20.329	ug/l	99
90) Hexachloroethane	12.60	117	22896	19.411	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	71858	20.105	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13485	20.333	ug/l	95

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Manual Integrations
APPROVED

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Quant Time: May 15 08:40:25 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	49466	20.239	ug/l	99
94) Hexachlorobutadiene	13.78	225	25710	20.599	ug/l	99
95) Naphthalene	13.83	128	163634	20.578	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	51330	20.718	ug/l	99

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

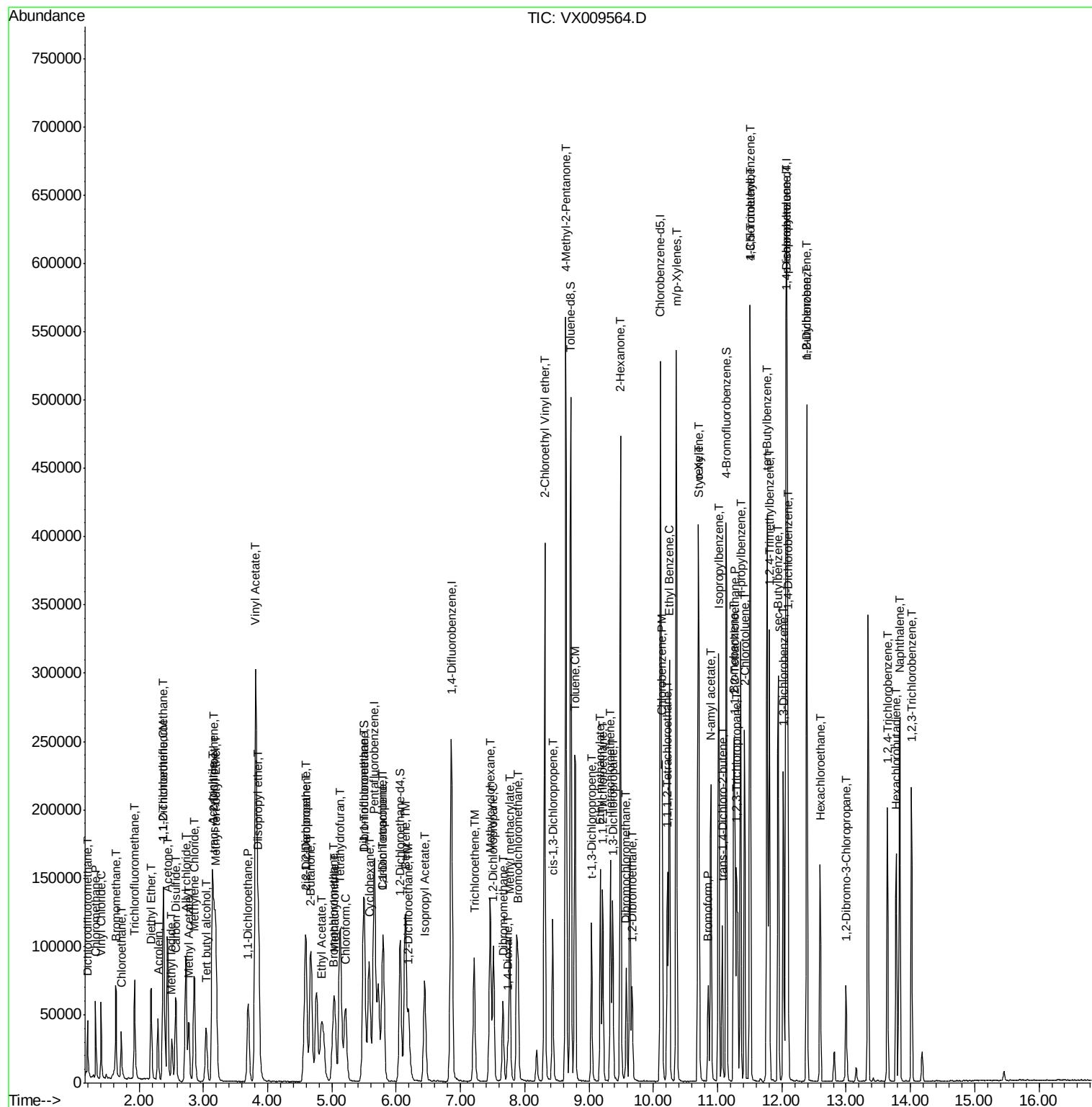
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Data File : VX009564.D
Acq On : 14 May 2019 16:03
Operator : JC/SP
Sample : VX0514WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

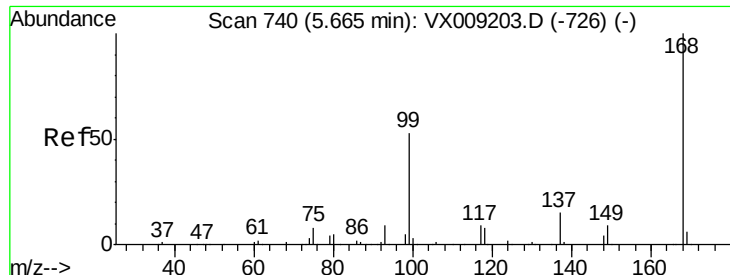
Instrument :
MSVOA_X
ClientSampleID :
VX0514WBSD01

Manual Integrations
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Quant Time: May 15 08:40:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion:168 Resp: 158363

Ion Ratio Lower Upper

168 100

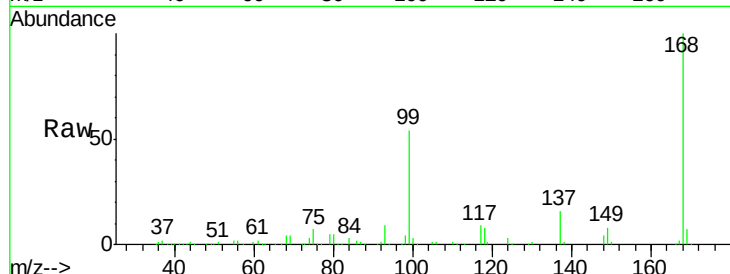
99 53.7 42.3 63.5

Manual Integrations

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5/15/2019 12:25:51 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

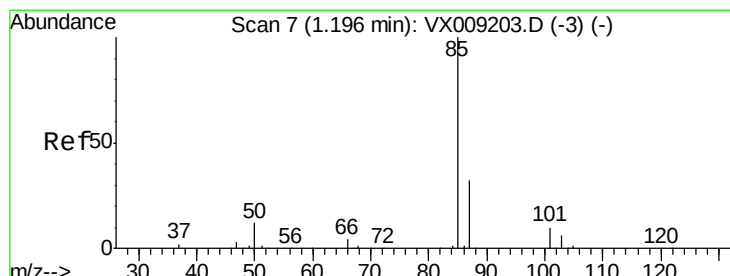
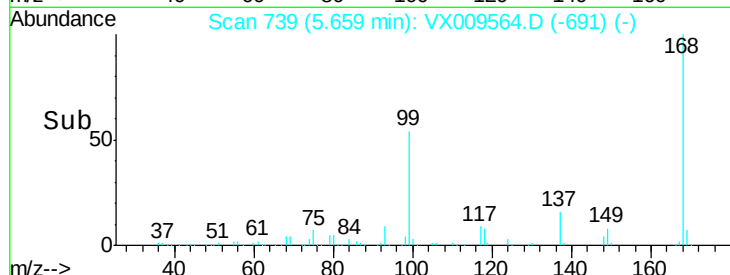
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.304 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009564.D

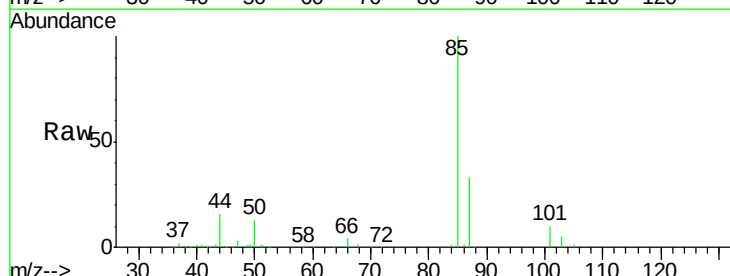
Acq: 14 May 2019 16:03

Tgt Ion: 85 Resp: 25252

Ion Ratio Lower Upper

85 100

87 32.7 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

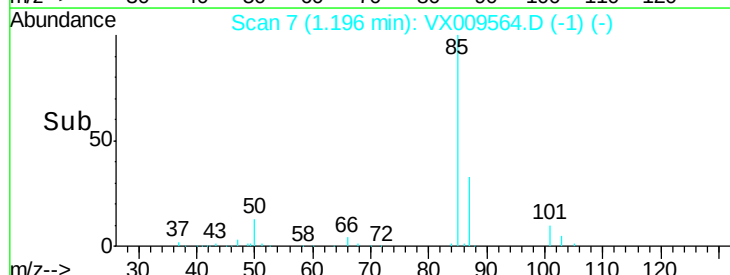
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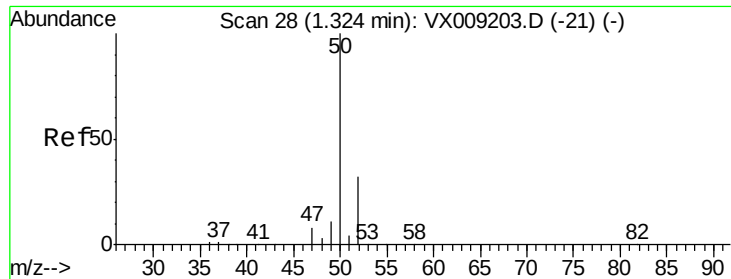
10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.044 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 50 Resp: 37942

Ion Ratio Lower Upper

50 100

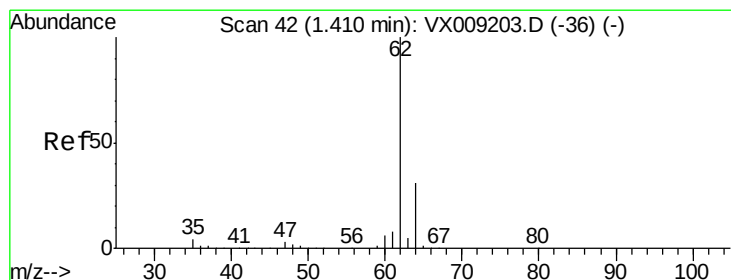
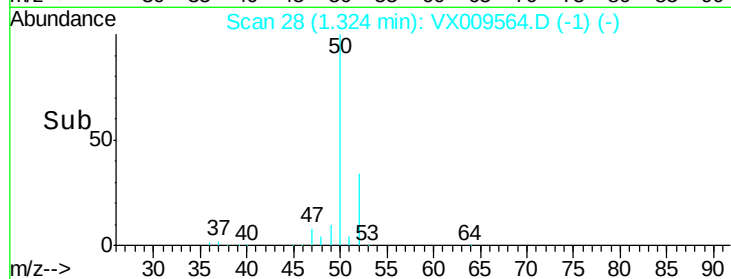
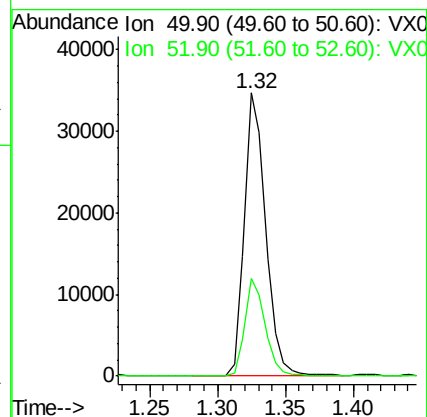
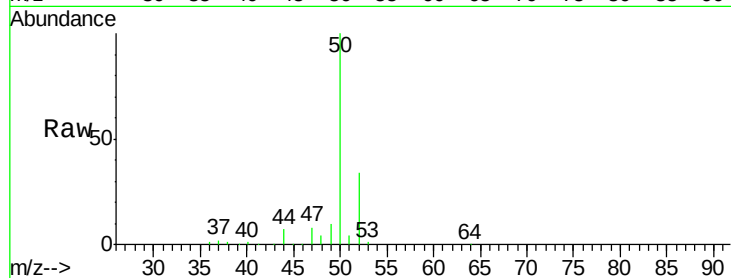
52 34.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.163 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009564.D

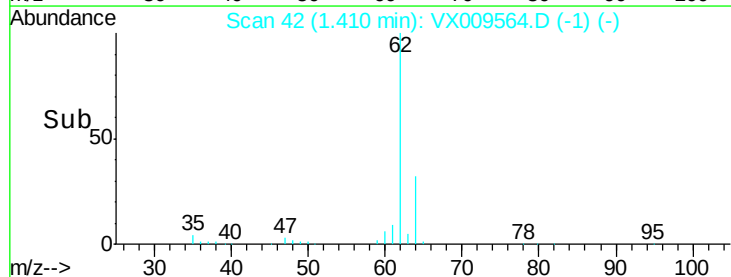
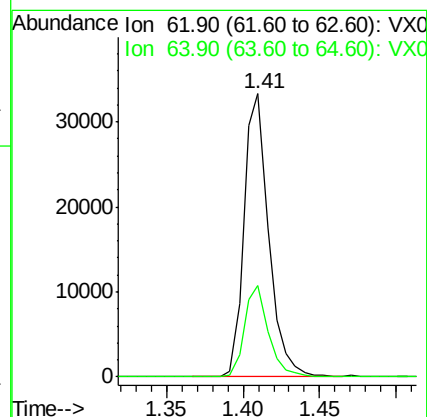
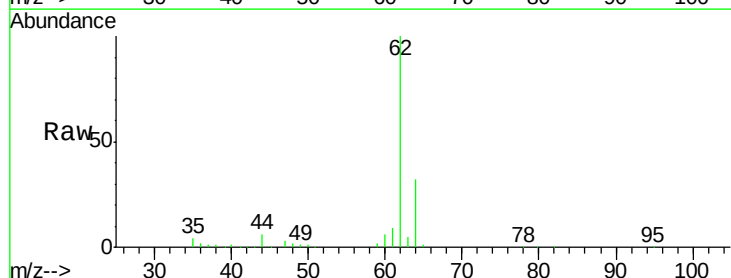
Acq: 14 May 2019 16:03

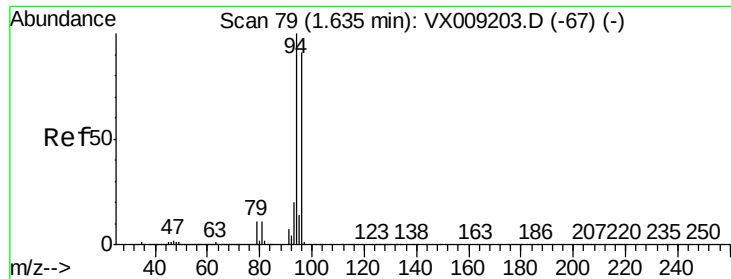
Tgt Ion: 62 Resp: 37230

Ion Ratio Lower Upper

62 100

64 32.4 24.6 36.8





#5

Bromomethane

Concen: 19.560 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 94 Resp: 22809

Ion Ratio Lower Upper

94 100

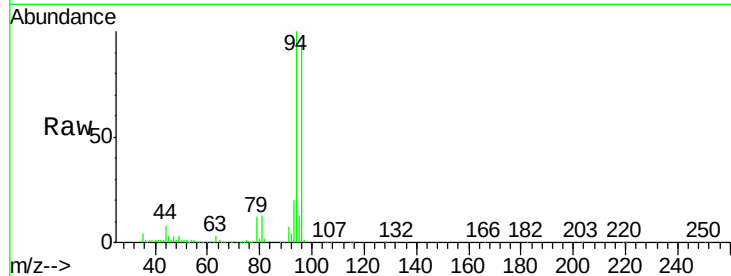
96 94.5 73.0 109.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

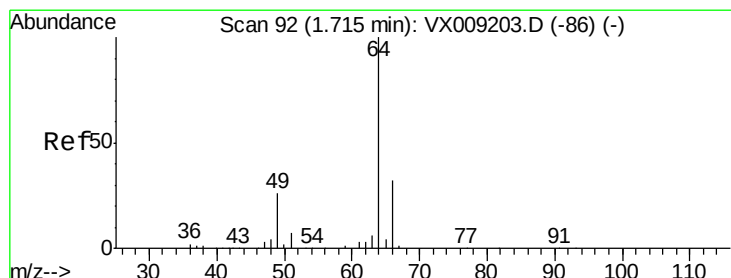
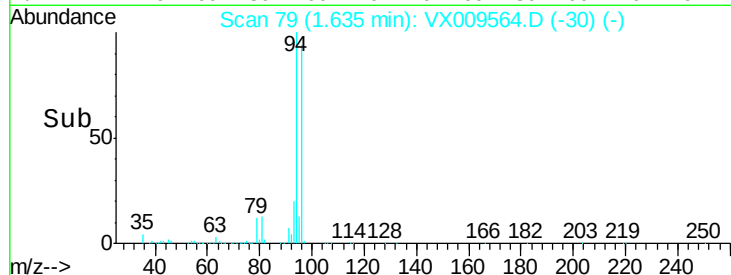
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.663 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009564.D

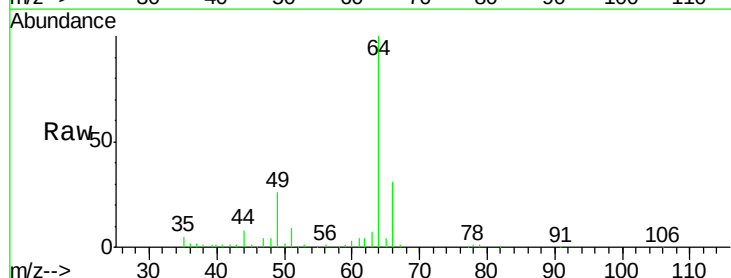
Acq: 14 May 2019 16:03

Tgt Ion: 64 Resp: 24527

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

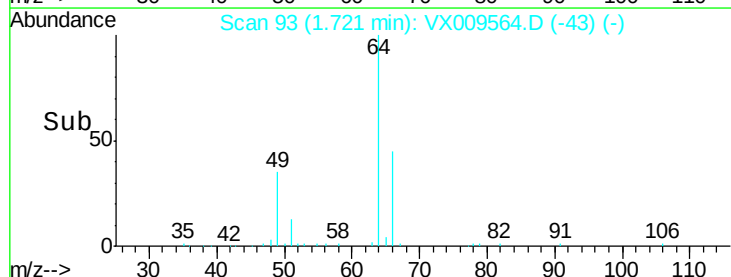
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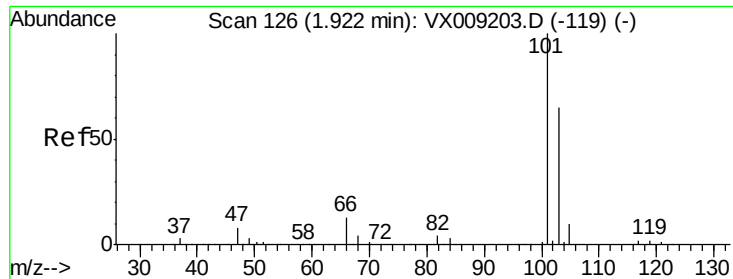
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5000

0

Time-->





#7

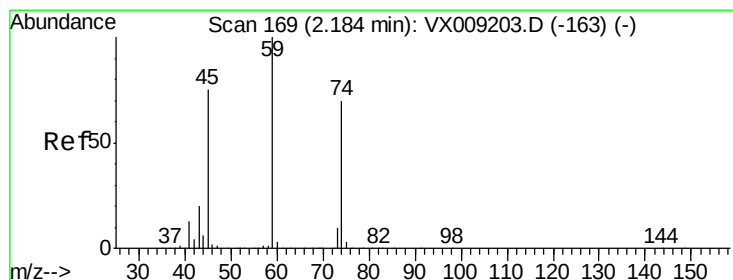
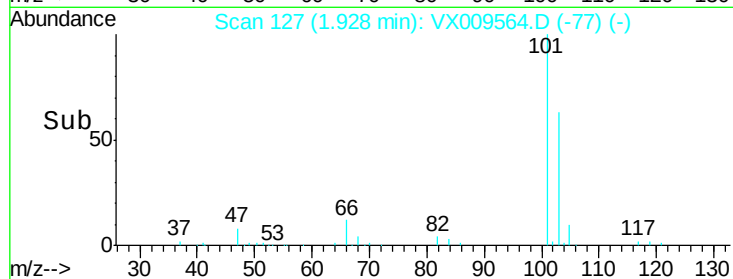
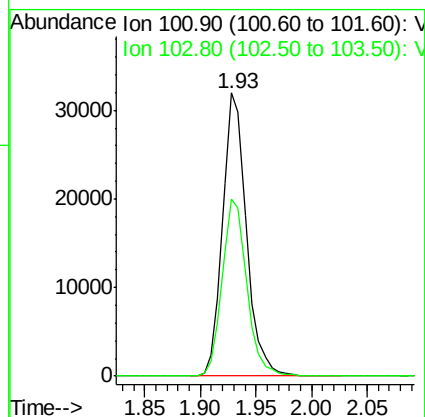
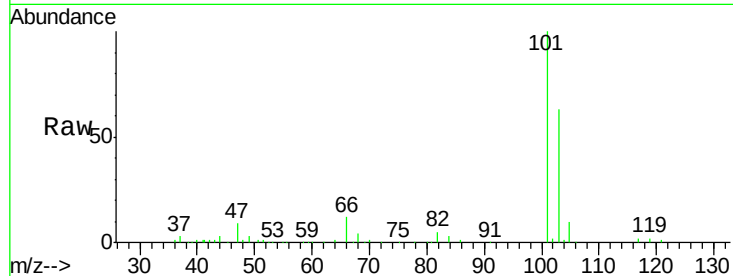
Trichlorofluoromethane
 Concen: 20.049 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampled :
 VX0514WBSD01

Tot Ion:101 Resp: 47347
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.4 78.6

Manual Integrations
 APPROVED

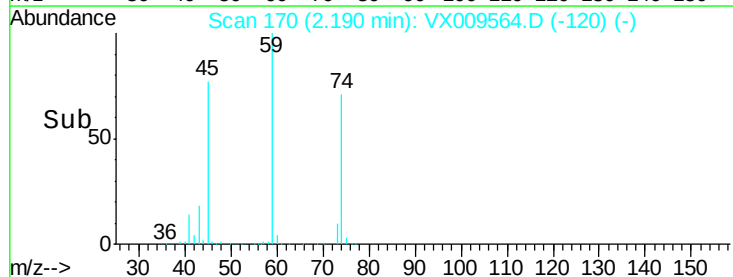
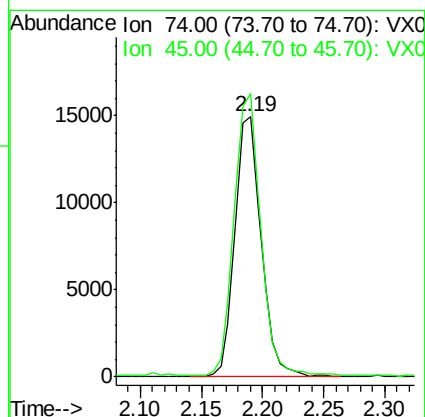
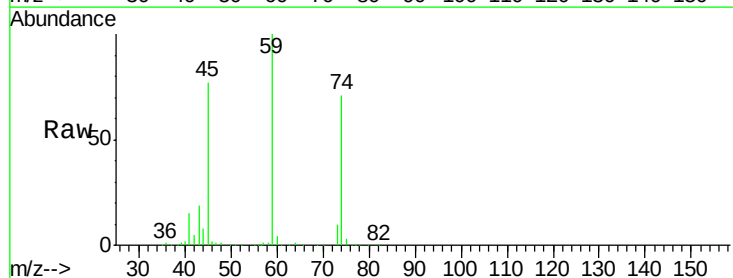
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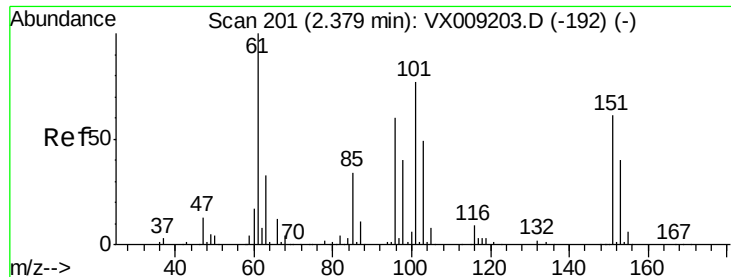


#8

Diethyl Ether
 Concen: 19.797 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion: 74 Resp: 22146
 Ion Ratio Lower Upper
 74 100
 45 109.3 53.3 159.9





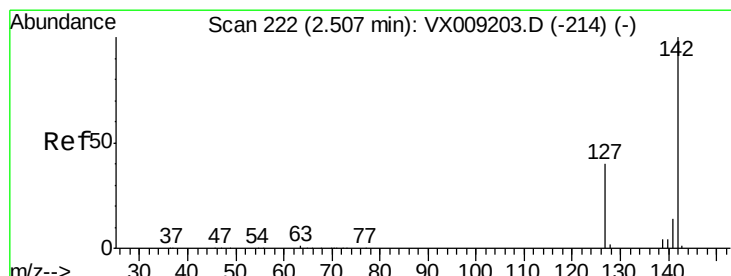
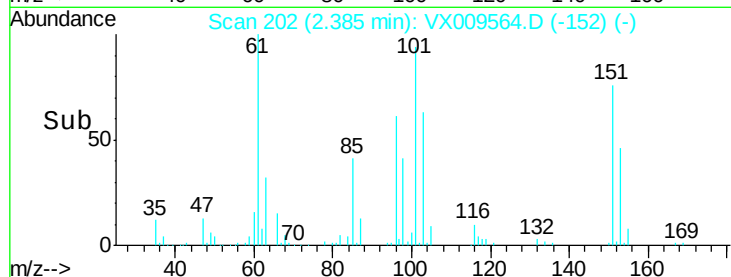
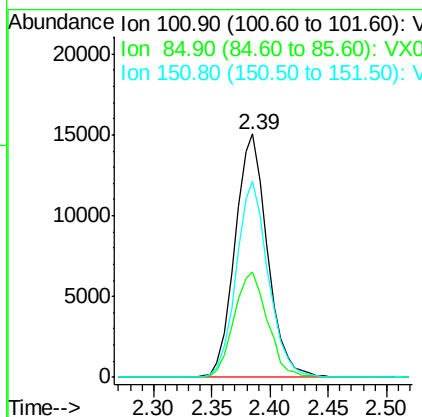
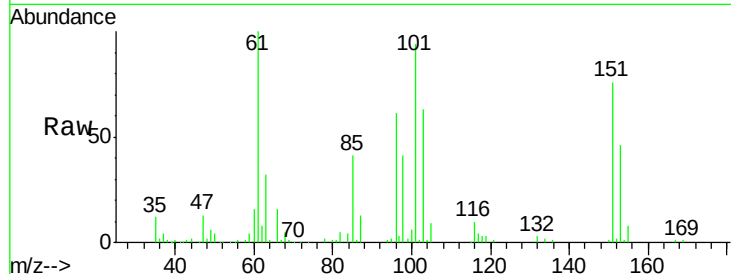
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.696 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	29210		
85	44.9	35.7	53.5	
151	79.8	62.2	93.2	

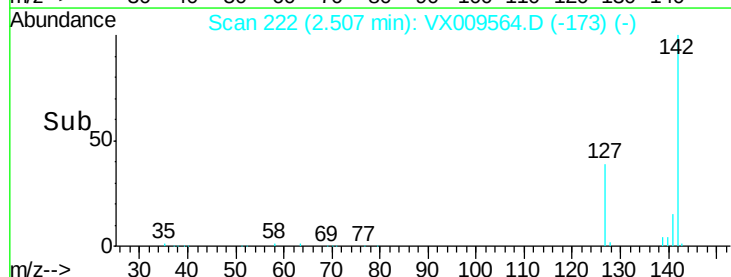
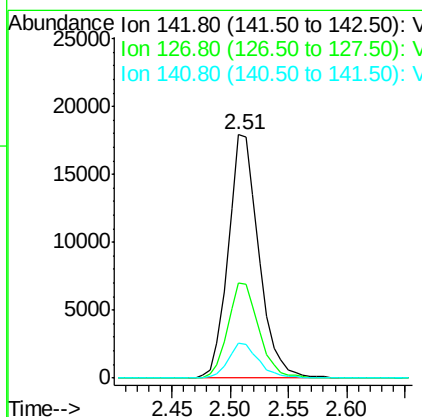
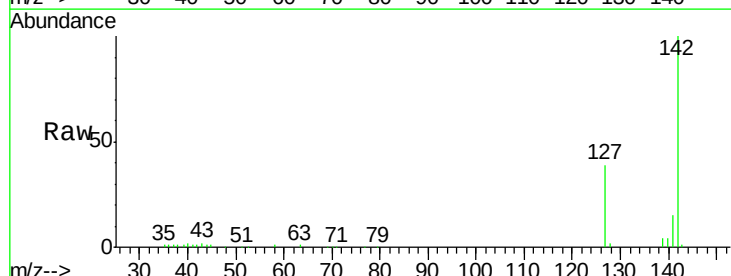
Manual Integrations
APPROVED

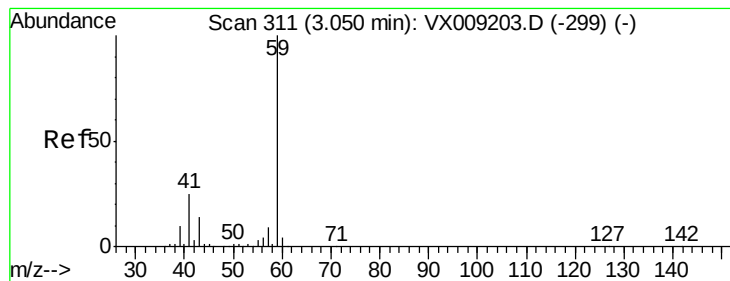
MMDadoda
5/15/2019 12:25:51 PM



#10
Methyl Iodide
Concen: 21.849 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	32741		
127	39.7	32.7	49.1	
141	14.3	11.5	17.3	





#11

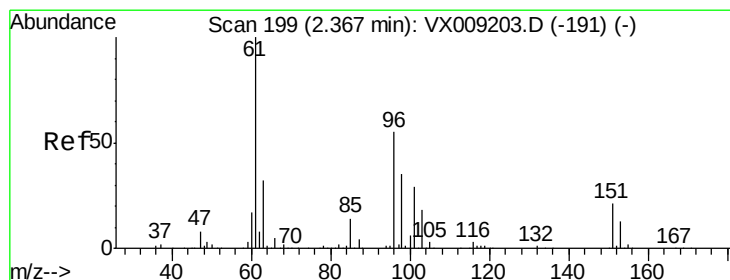
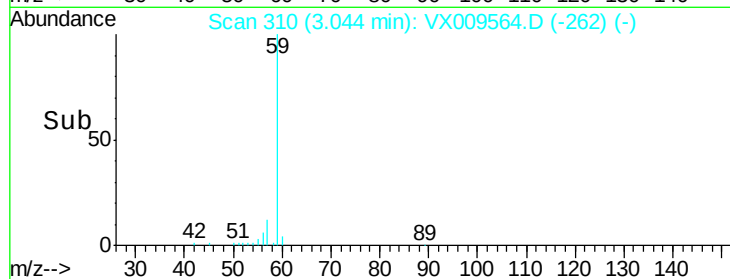
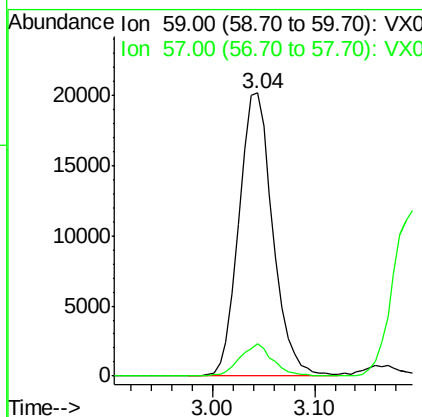
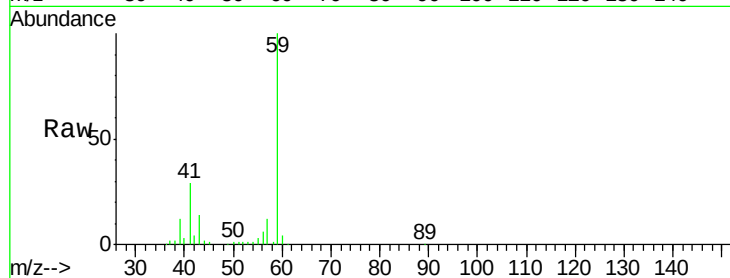
Tert butyl alcohol
 Concen: 93.313 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion	59	Resp	46695
Ion Ratio	100	Lower	Upper
57	10.9	8.2	12.2

Manual Integrations
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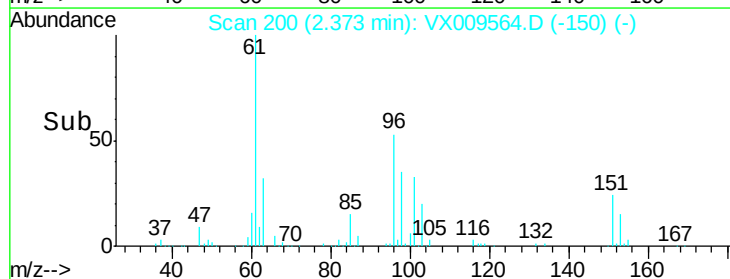
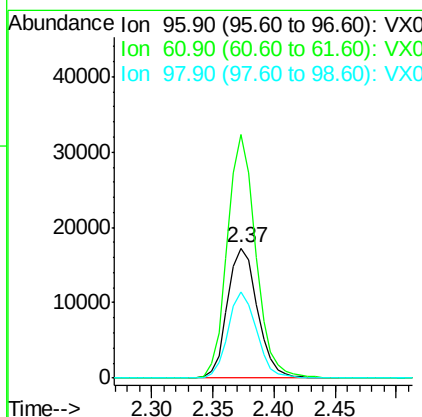
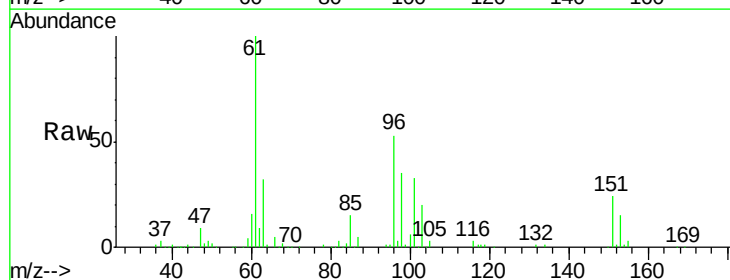
MMDadoda
 5/15/2019 12:25:51 PM

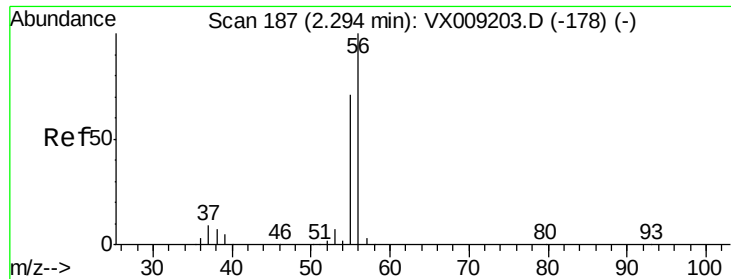


#12

1,1-Dichloroethene
 Concen: 19.813 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion	96	Resp	29440
Ion Ratio	100	Lower	Upper
61	187.0	144.3	216.5
98	66.0	50.3	75.5





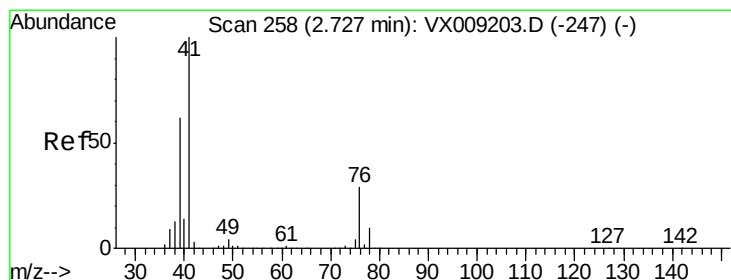
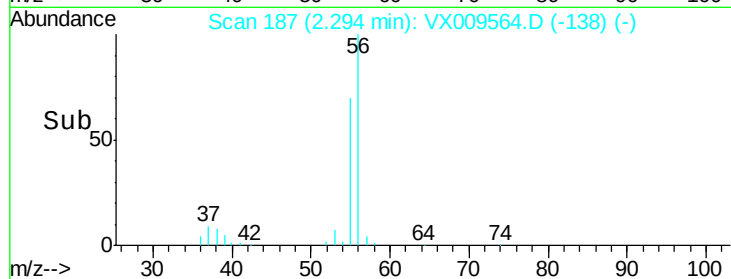
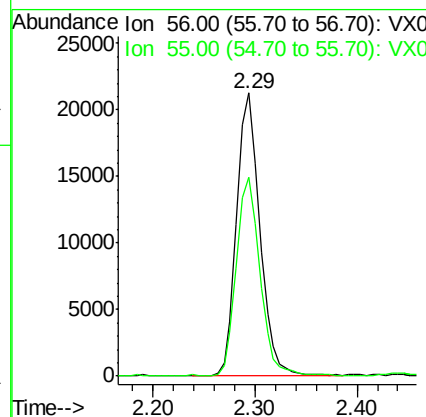
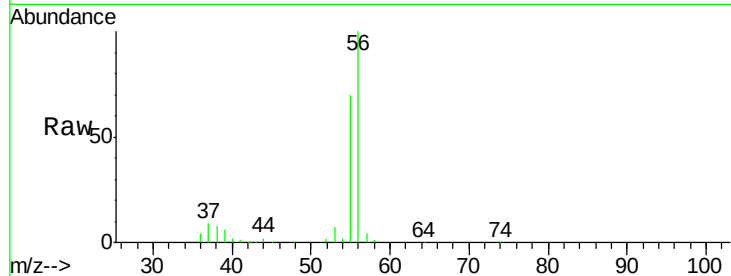
#13
Acrolein
Concen: 74.240 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.6	85.0

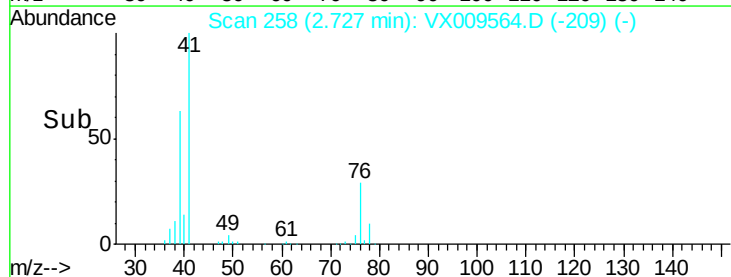
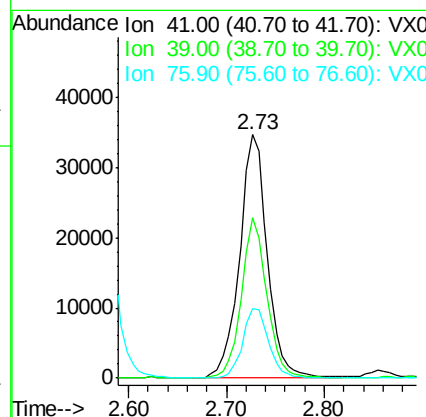
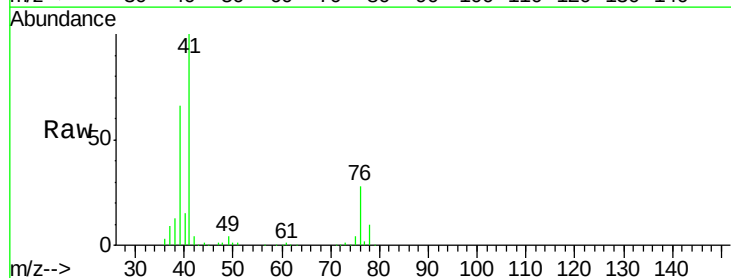
Manual Integrations
APPROVED

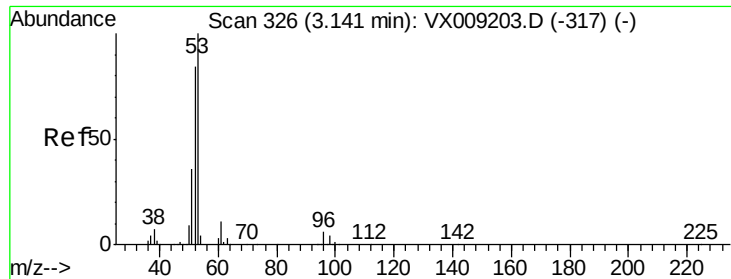
MMDadoda
5/15/2019 12:25:51 PM



#14
Allyl chloride
Concen: 18.756 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.1	46.7	70.1
76	27.2	21.8	32.8





#15

Acrylonitrile

Concen: 97.155 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

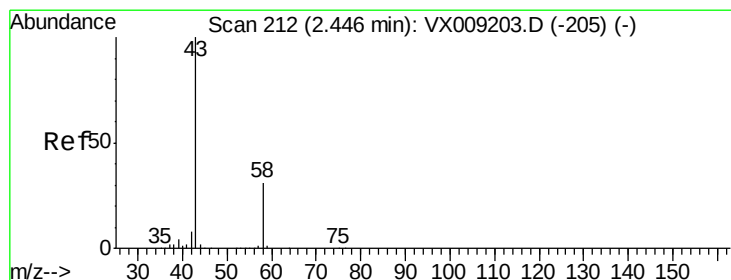
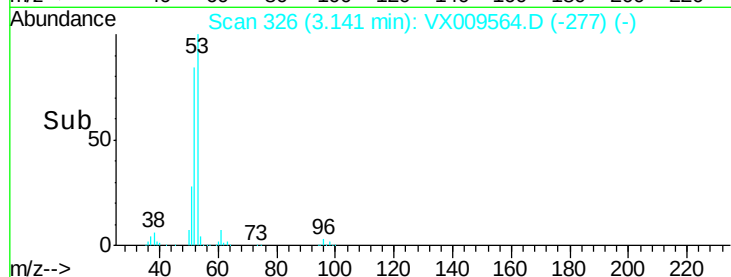
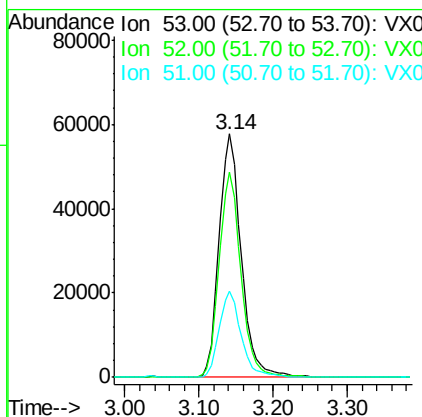
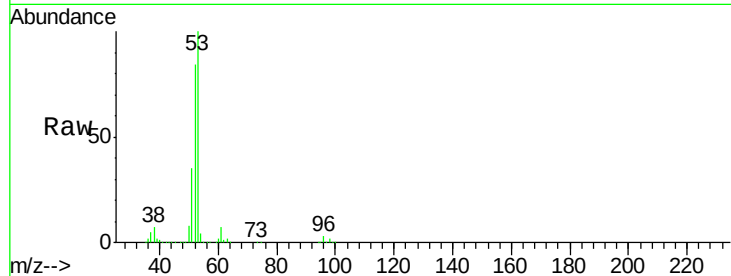
ClientSampleId :

VX0514WBSD01

Tot Ion:	53	Resp:	118874
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.9	100.3
51	35.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 97.876 ug/l

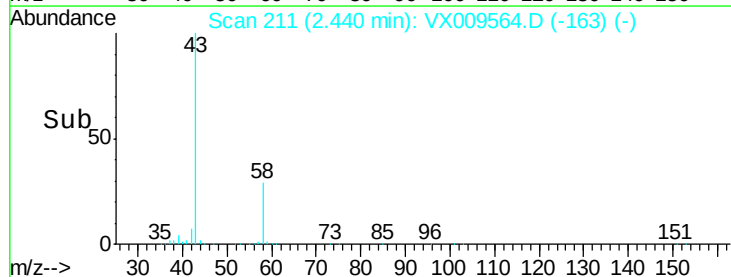
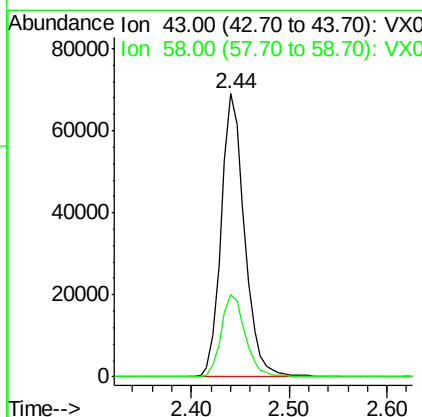
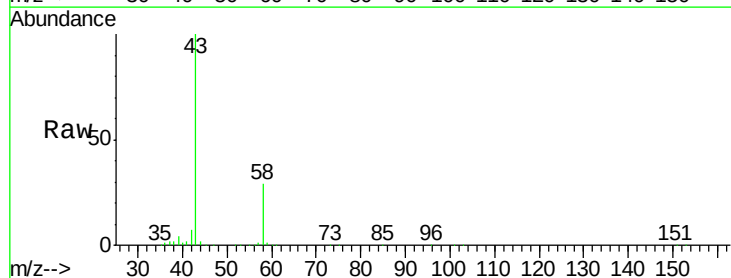
RT: 2.44 min Scan# 211

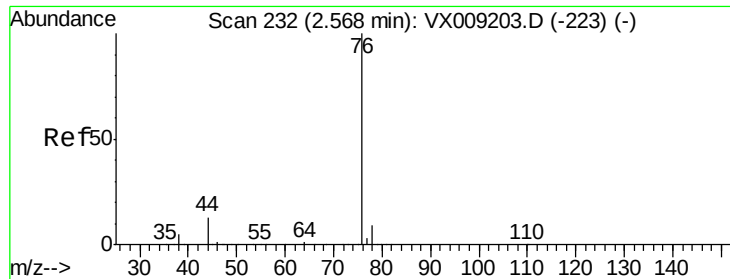
Delta R.T. -0.01 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion:	43	Resp:	113617
Ion Ratio		Lower	Upper
43	100		
58	29.2	24.9	37.3





#17

Carbon Disulfide

Concen: 18.856 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

VX0514WBSD01

Tot Ion: 76 Resp: 78661

Ion Ratio Lower Upper

76 100

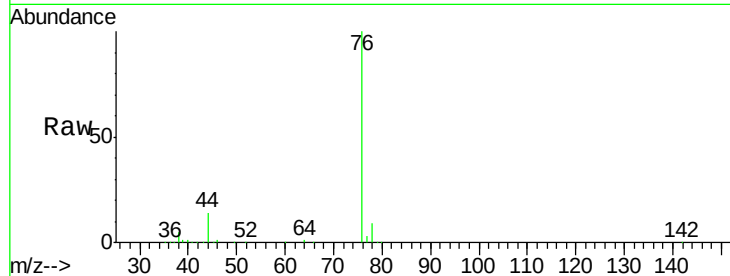
78 9.3 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

50000

40000

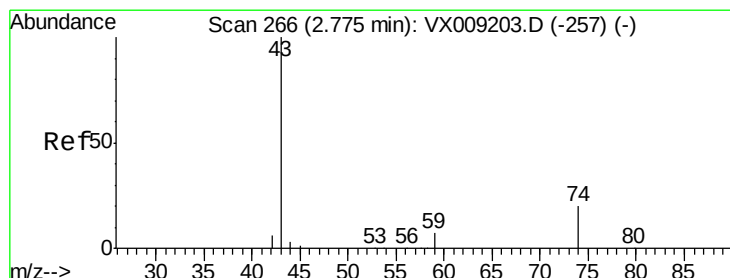
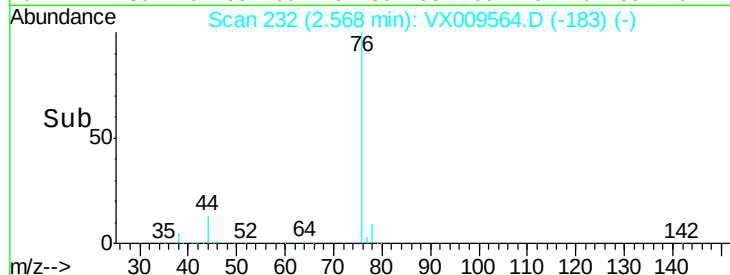
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 19.490 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009564.D

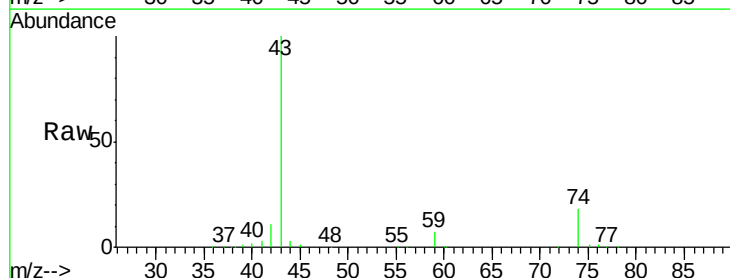
Acq: 14 May 2019 16:03

Tgt Ion: 43 Resp: 53805

Ion Ratio Lower Upper

43 100

74 19.4 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

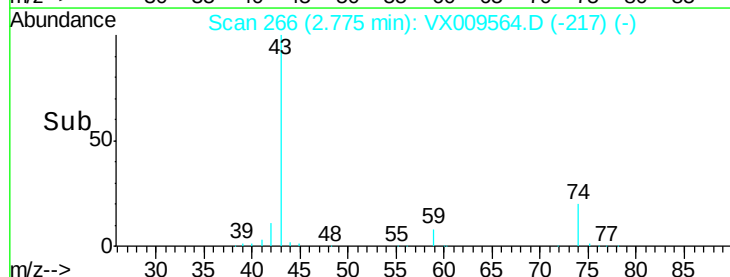
30000

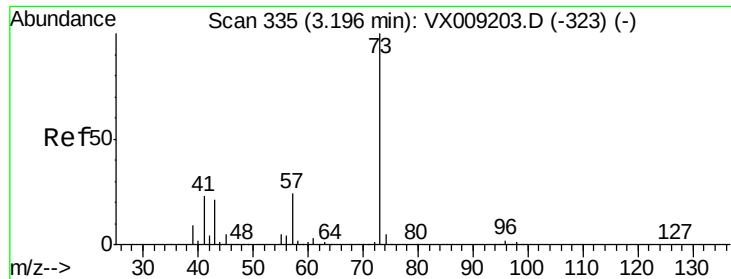
20000

10000

0

Time-->





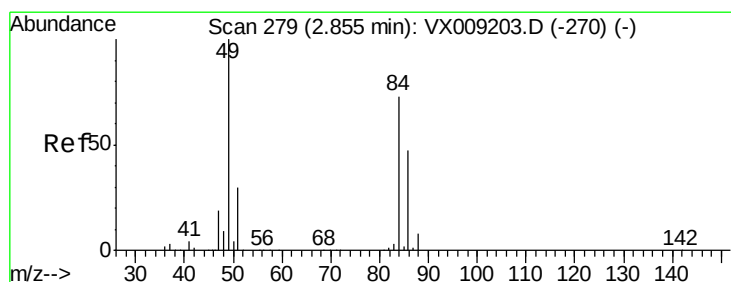
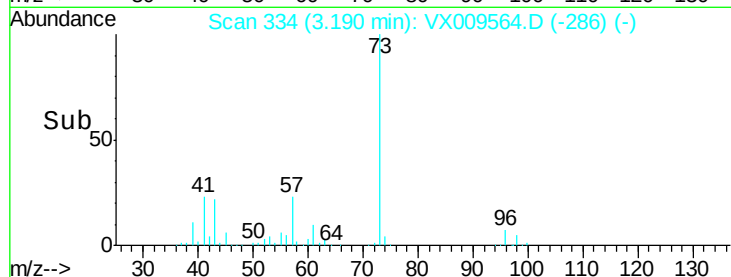
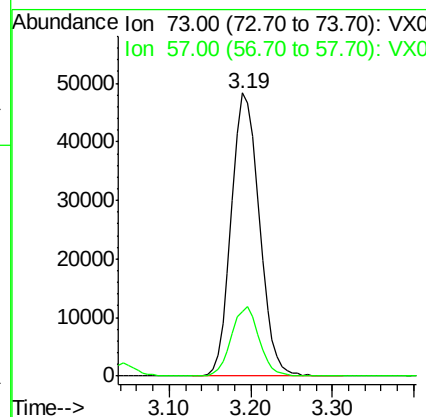
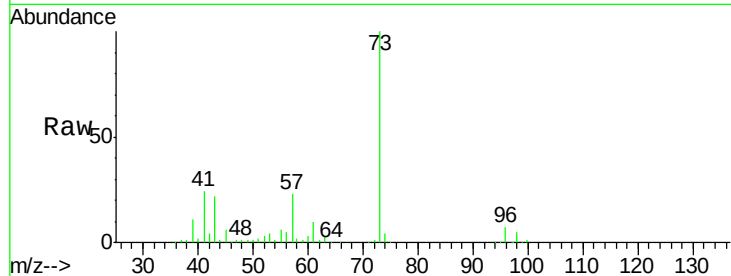
#19
Methyl tert-butyl Ether
Concen: 19.917 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion: 73 Resp: 114923
Ion Ratio Lower Upper
73 100
57 22.9 19.3 28.9

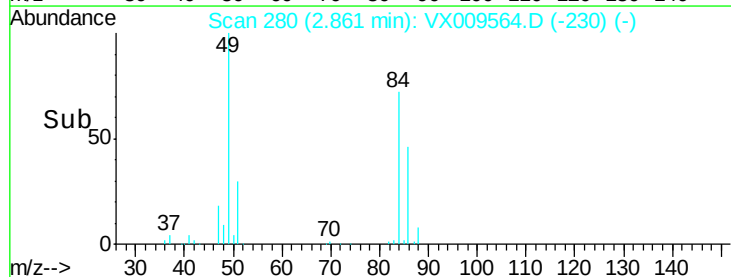
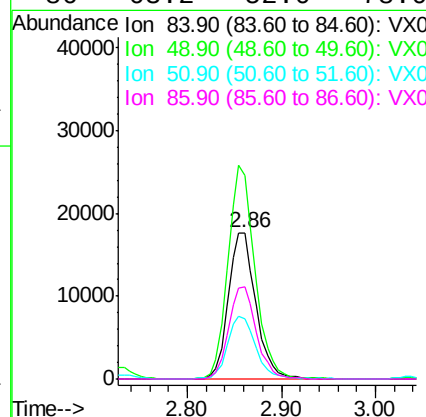
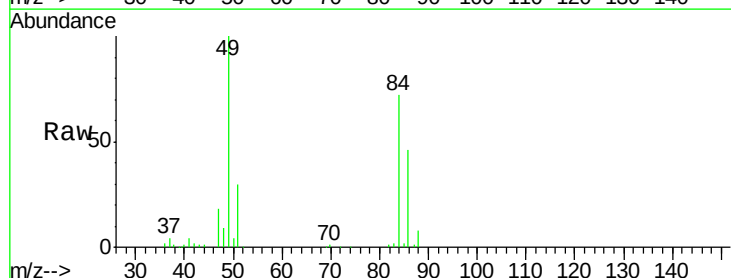
Manual Integrations
APPROVED

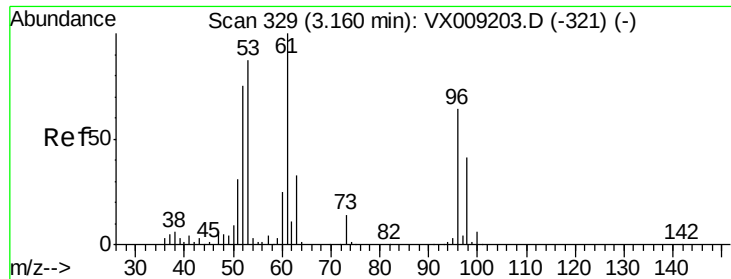
MMDadoda
5/15/2019 12:25:51 PM



#20
Methylene Chloride
Concen: 19.032 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 84 Resp: 35772
Ion Ratio Lower Upper
84 100
49 138.8 109.9 164.9
51 41.0 32.7 49.1
86 63.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.635 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

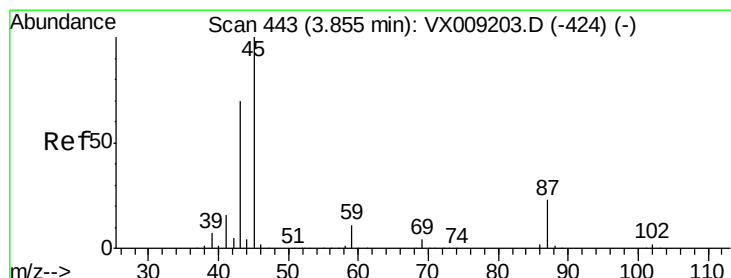
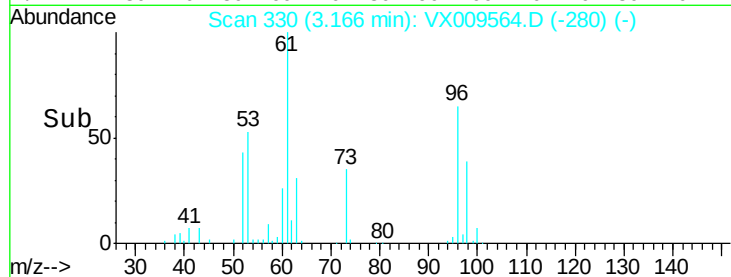
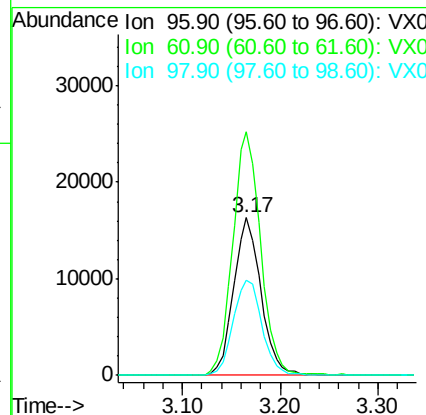
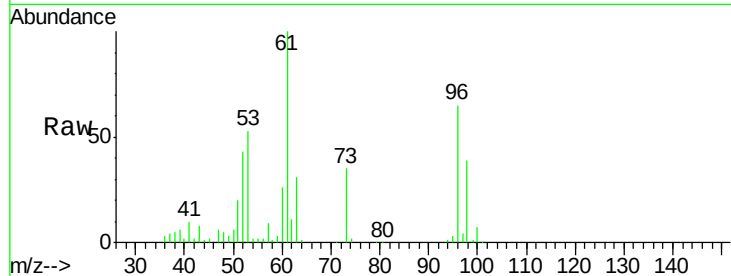
ClientSampleId :

VX0514WBSD01

Tot Ion:	96	Resp:	31641
Ion	Ratio	Lower	Upper
96	100		
61	154.5	124.5	186.7
98	60.6	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.036 ug/l

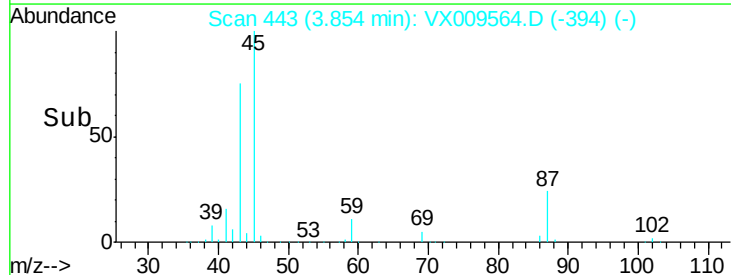
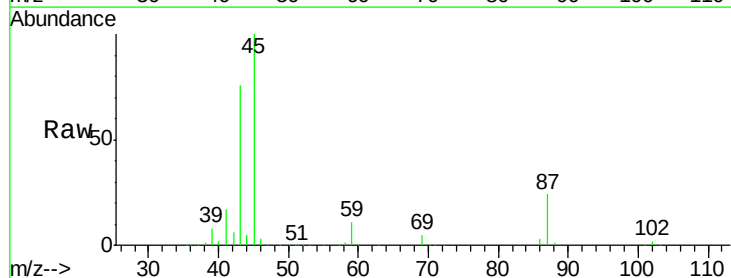
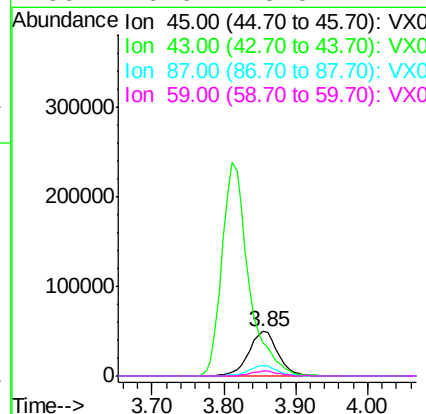
RT: 3.85 min Scan# 443

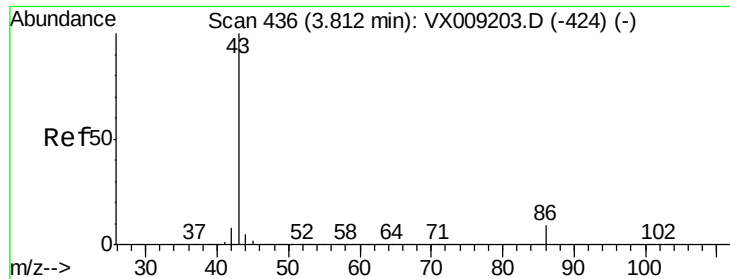
Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion:	45	Resp:	139527
Ion	Ratio	Lower	Upper
45	100		
43	75.4	56.1	84.1
87	23.7	18.1	27.1
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 103.170 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleID :

VX0514WBSD01

Tot Ion: 43 Resp: 615228

Ion Ratio Lower Upper

43 100

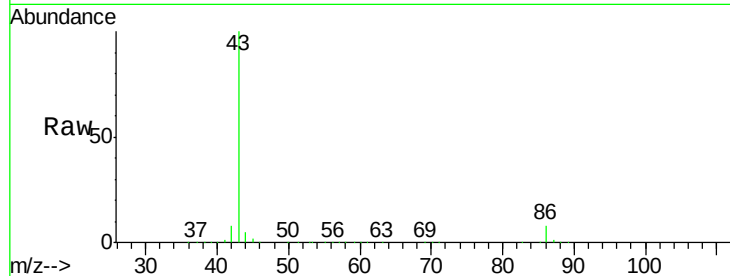
86 8.4 6.9 10.3

Manual Integrations

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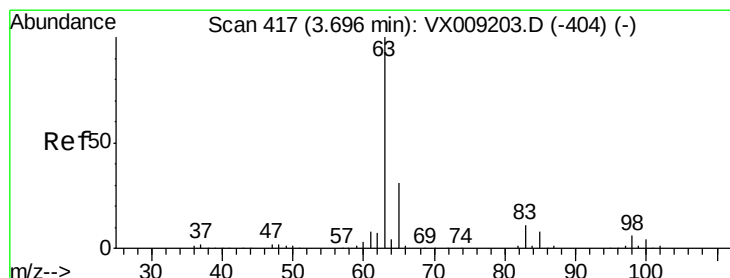
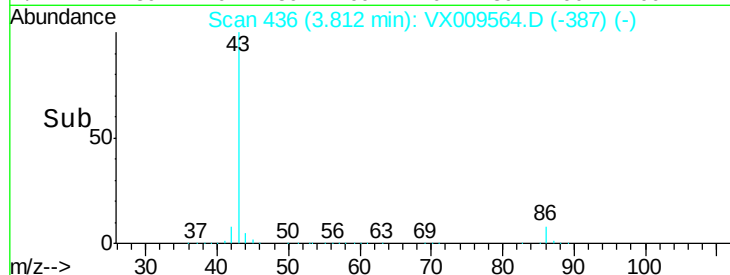
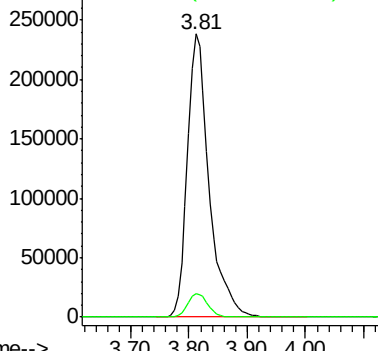
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.617 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

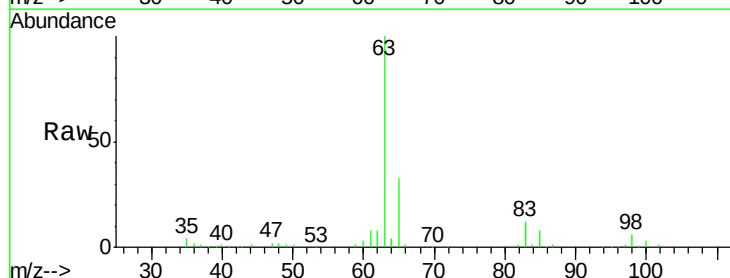
Tgt Ion: 63 Resp: 67391

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

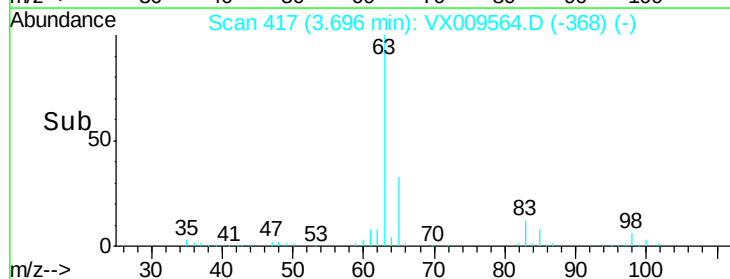
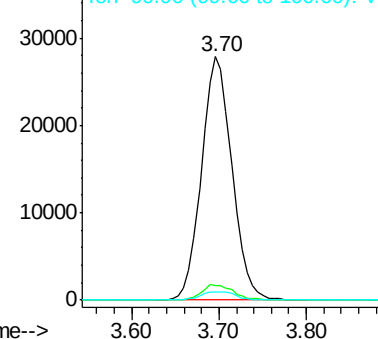
100 3.4 2.0 6.0

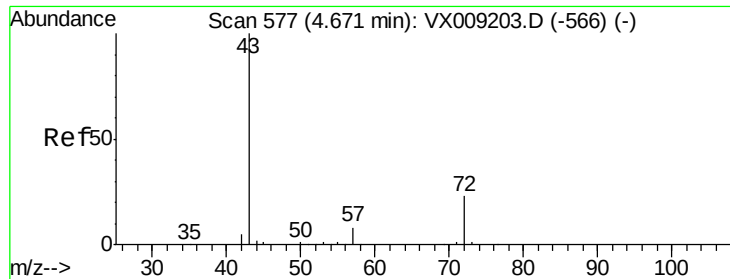


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 98.983 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 43 Resp: 178554

Ion Ratio Lower Upper

43 100

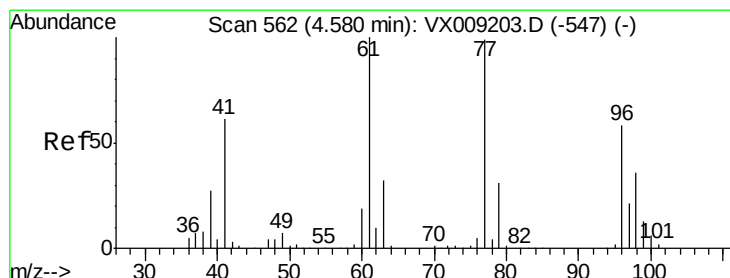
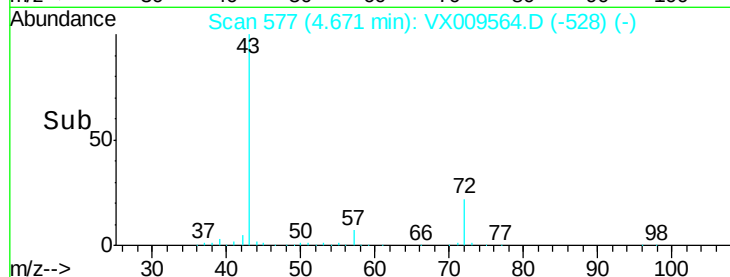
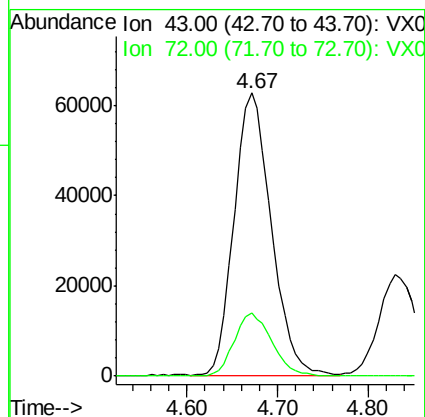
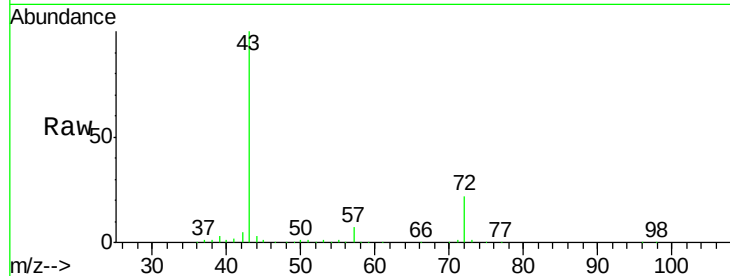
72 21.9 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.437 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009564.D

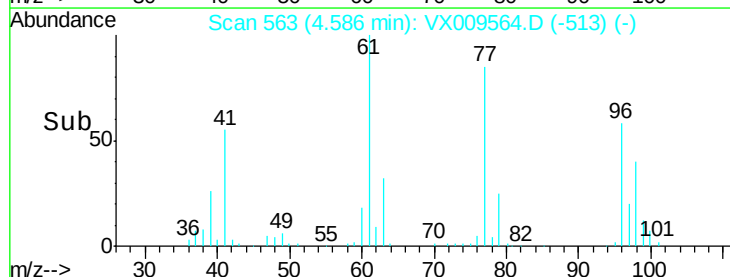
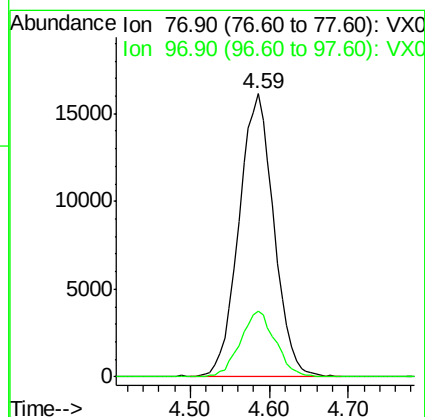
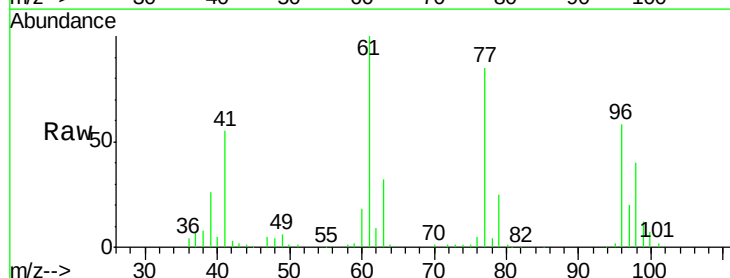
Acq: 14 May 2019 16:03

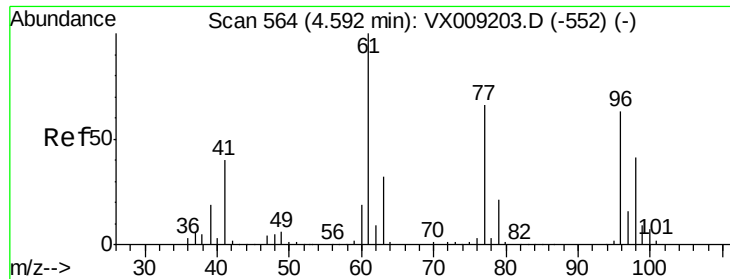
Tgt Ion: 77 Resp: 49703

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.4





#27

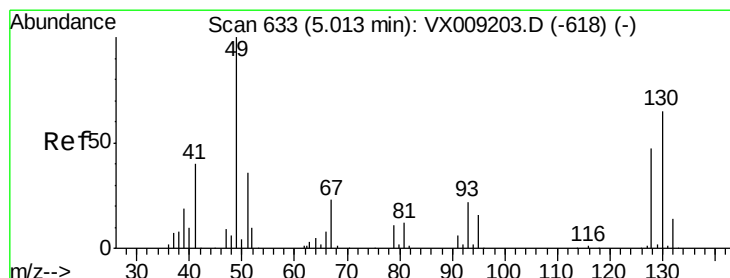
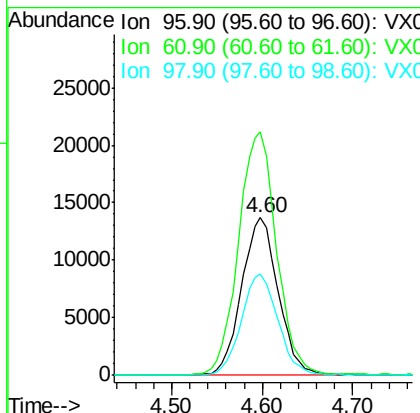
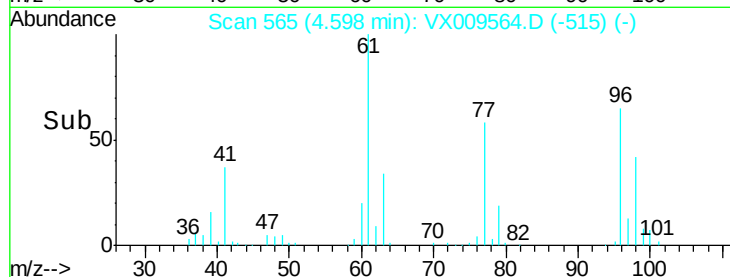
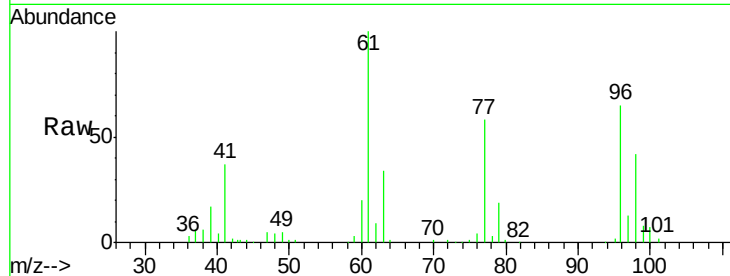
cis-1,2-Dichloroethene
Concen: 19.908 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.2	0.0	324.0	
98	64.0	0.0	130.4	

Manual Integrations
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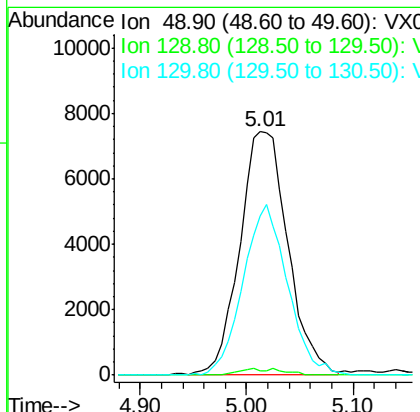
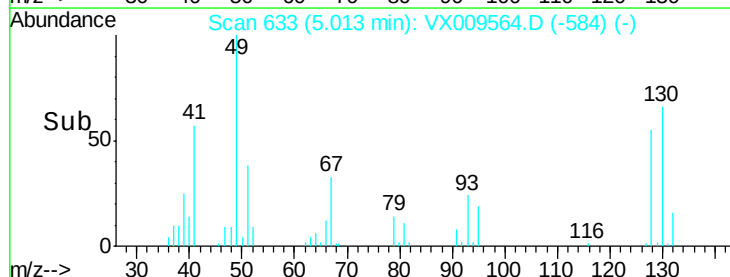
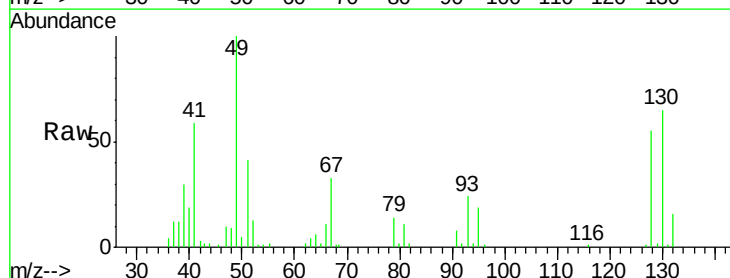
MMDadoda
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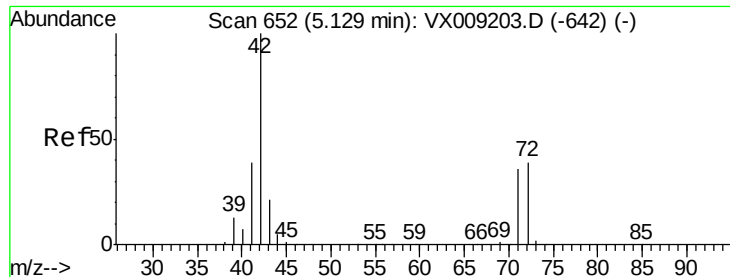


#28

Bromochloromethane
Concen: 15.116 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.2	0.0	3.8	
130	64.8	51.2	76.8	





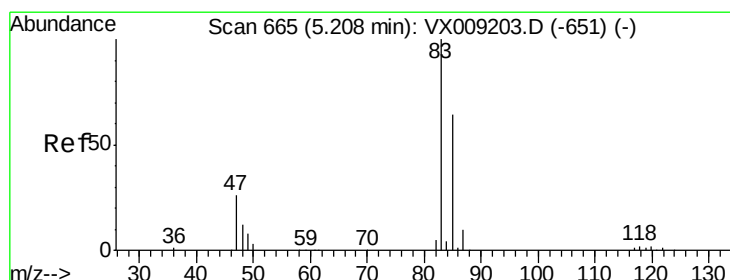
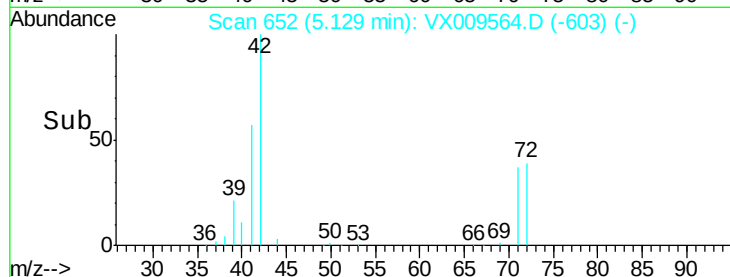
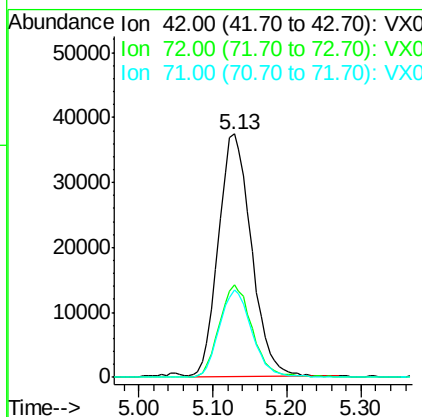
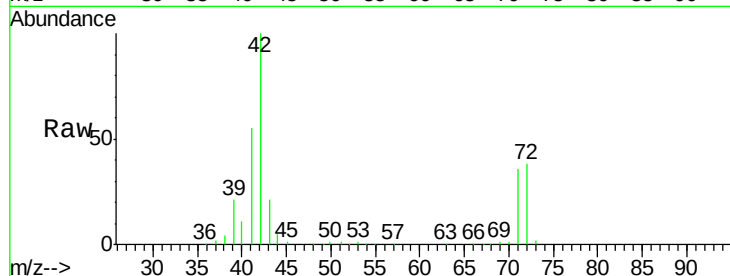
#29
Tetrahydrofuran
Concen: 99.424 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.4	45.6
71	35.7	28.6	43.0

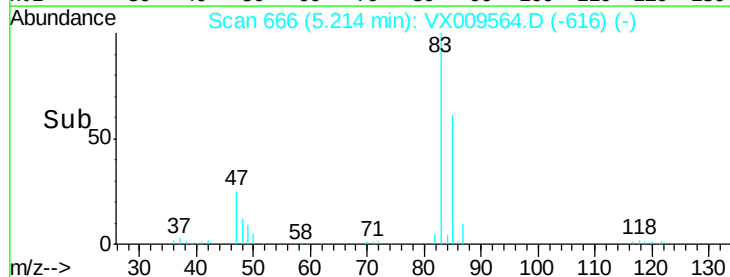
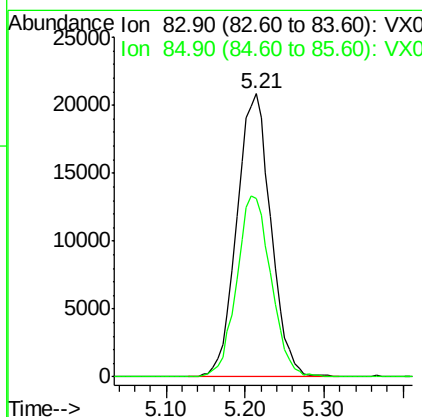
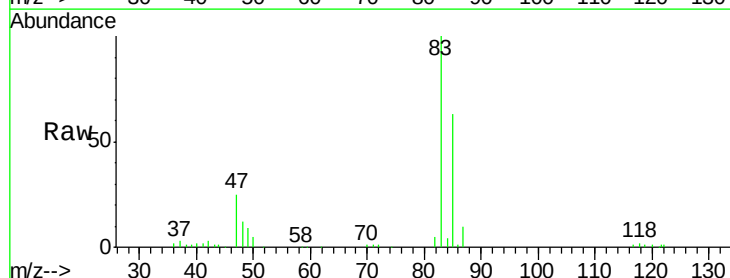
Manual Integrations
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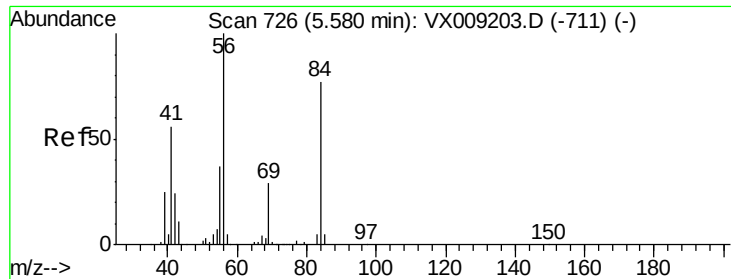
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#30
Chloroform
Concen: 20.170 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.5	77.3





#31

Cyclohexane

Concen: 20.131 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

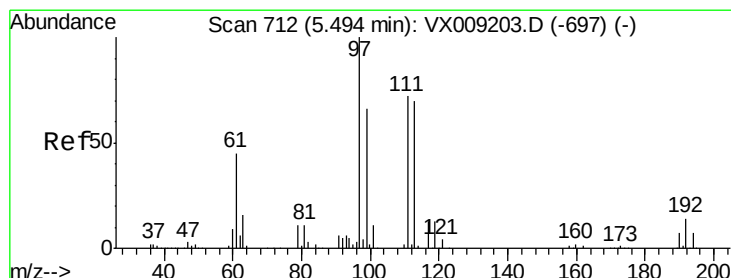
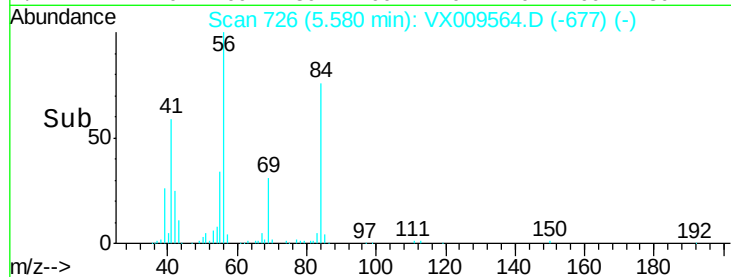
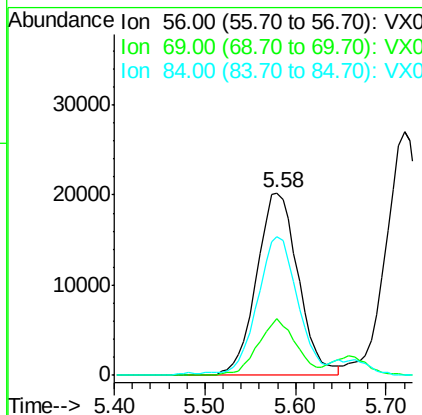
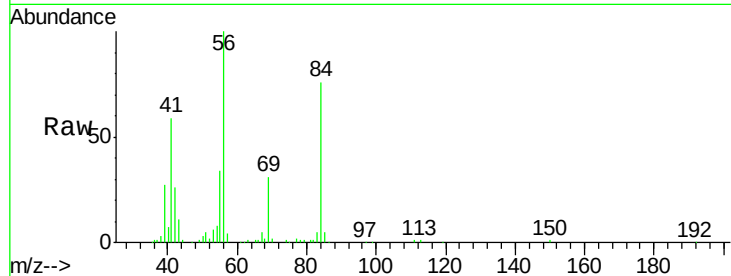
ClientSampled :

VX0514WBSD01

Tot Ion:	56	Resp:	64343
Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.4	35.0
84	74.1	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.672 ug/l

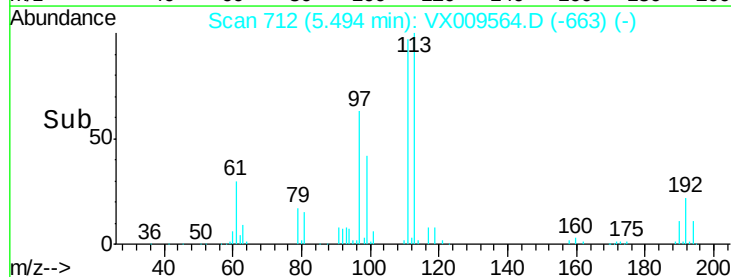
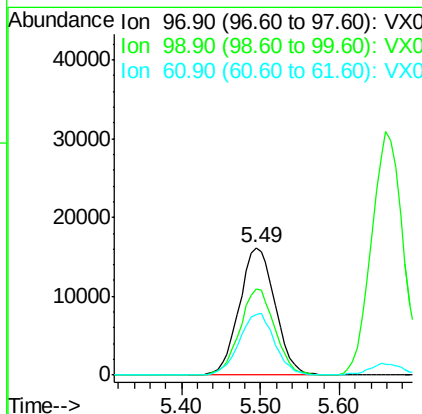
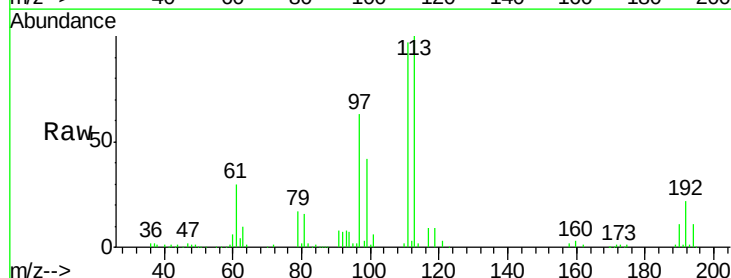
RT: 5.49 min Scan# 712

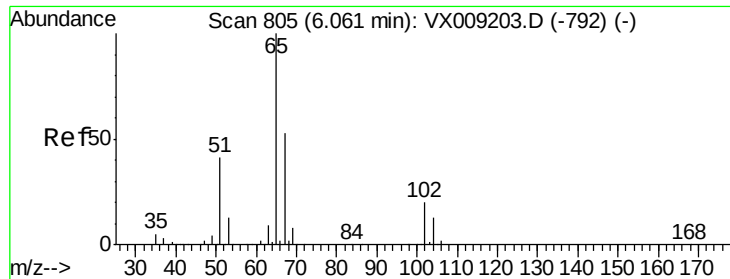
Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion:	97	Resp:	50882
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.8
61	48.0	37.8	56.8





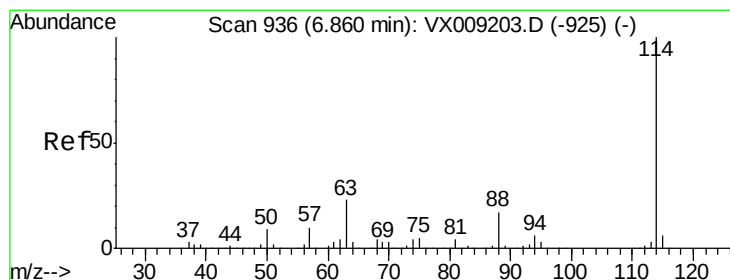
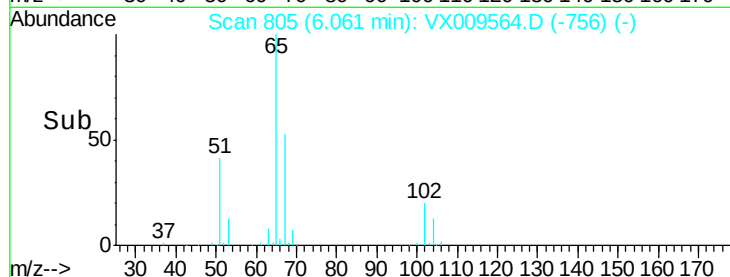
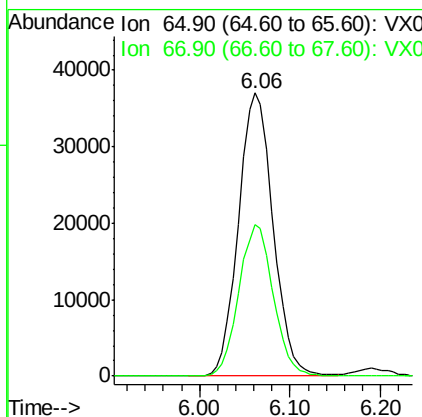
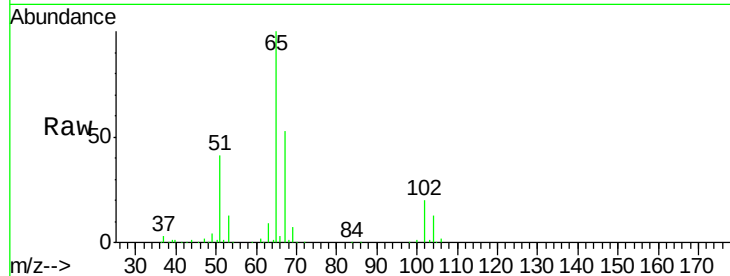
#33
 1,2-Dichloroethane-d4
 Concen: 45.236 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.6

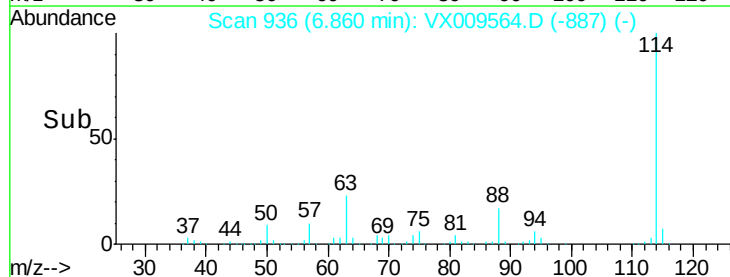
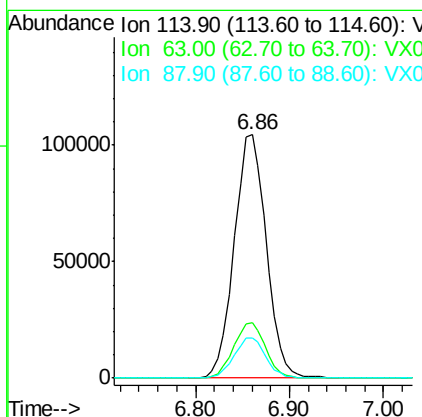
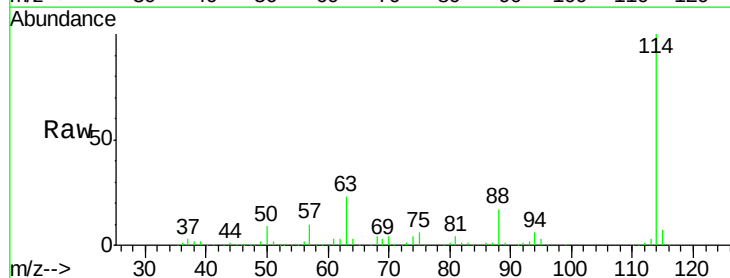
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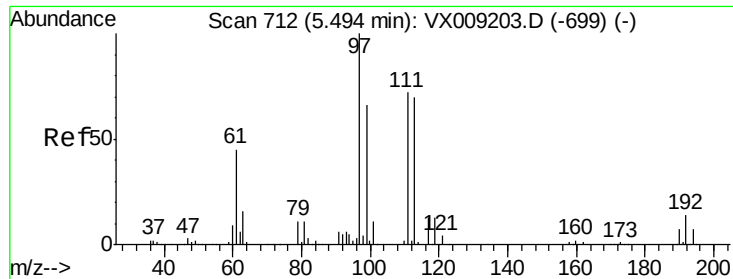
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.6
88	16.6	0.0	33.2





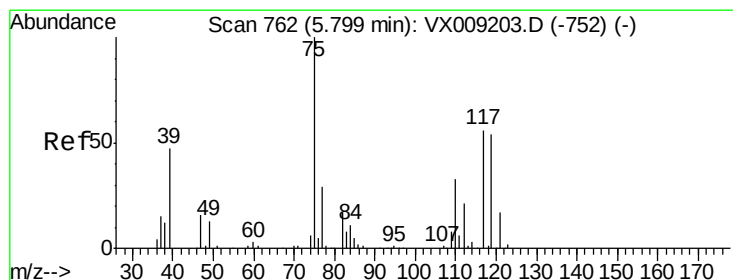
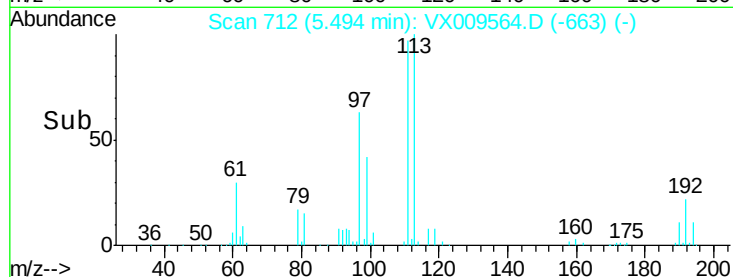
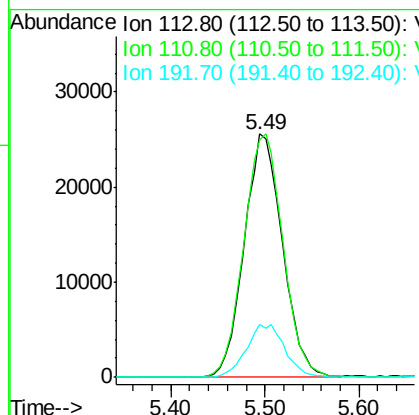
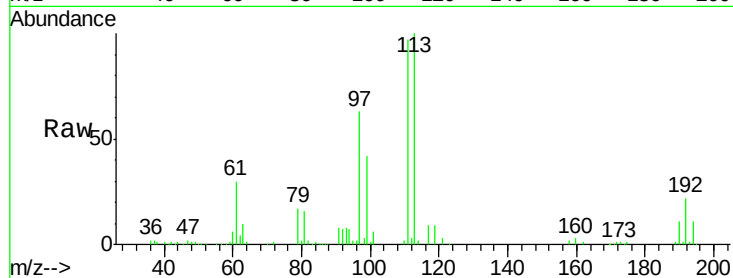
#35
 Dibromofluoromethane
 Concen: 46.623 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	21.9	17.0	25.6

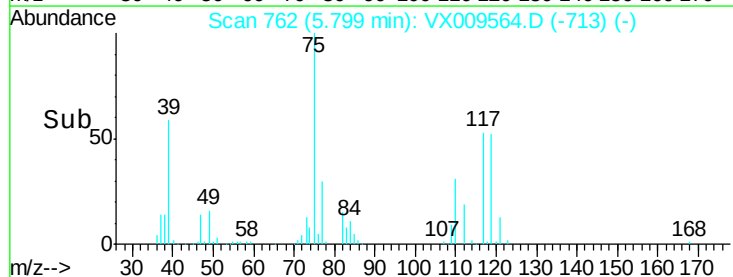
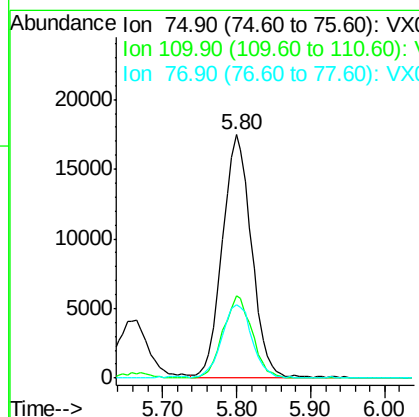
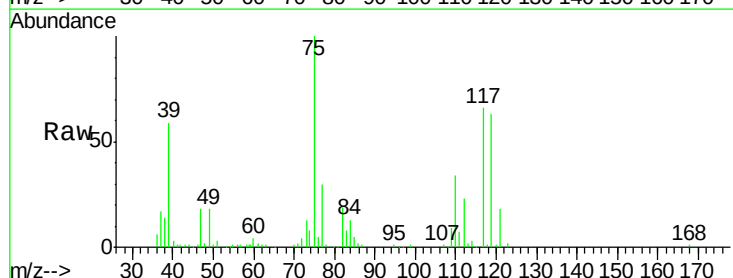
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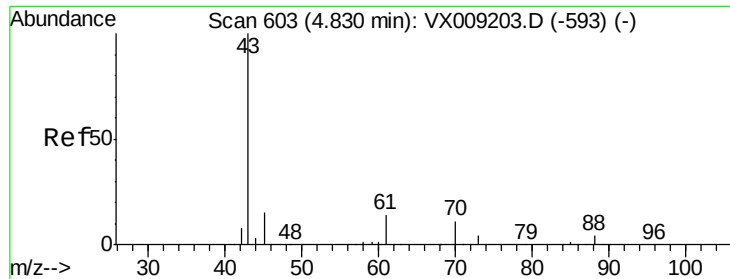
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#36
 1,1-Dichloropropene
 Concen: 20.634 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	31.3	24.8	37.2





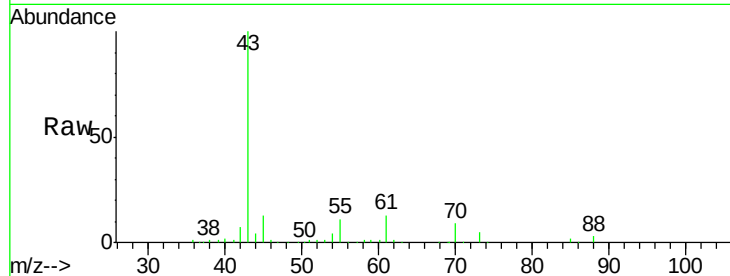
#37
Ethyl Acetate
Concen: 20.906 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

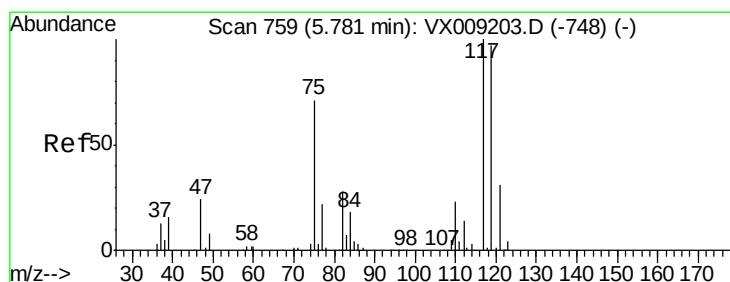
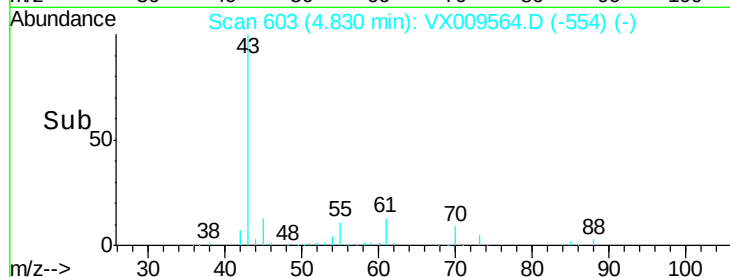
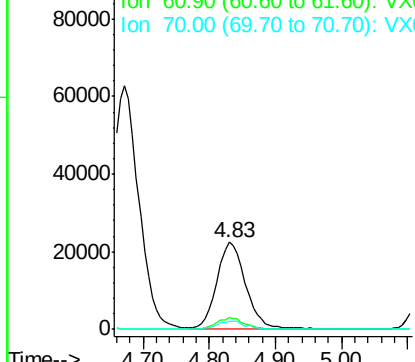
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.4	7.9	11.9

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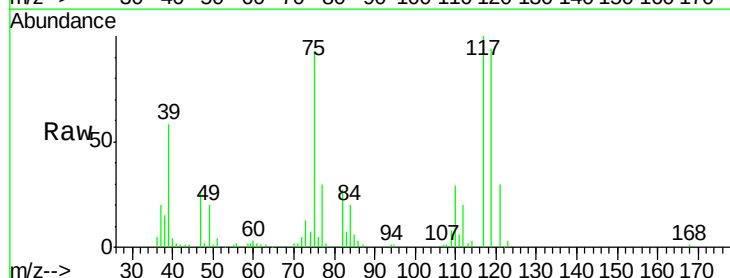


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

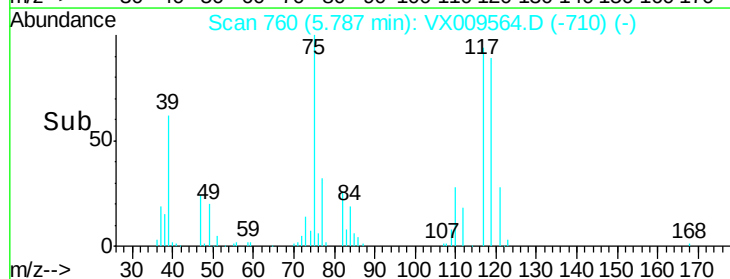
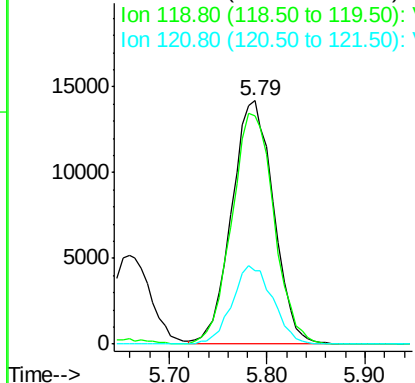


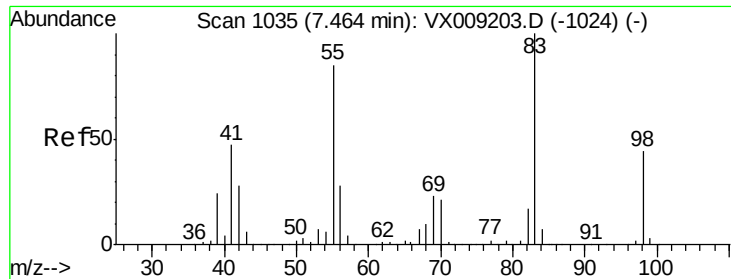
#38
Carbon Tetrachloride
Concen: 20.022 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.5	116.3
121	30.3	24.7	37.1



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





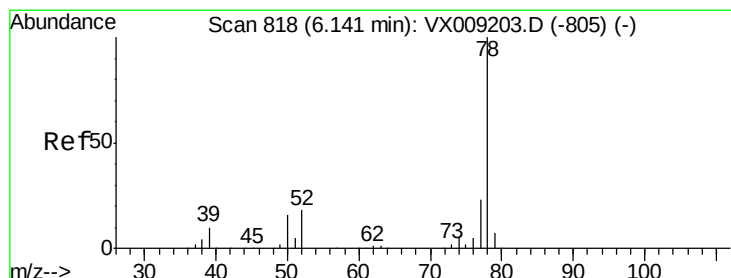
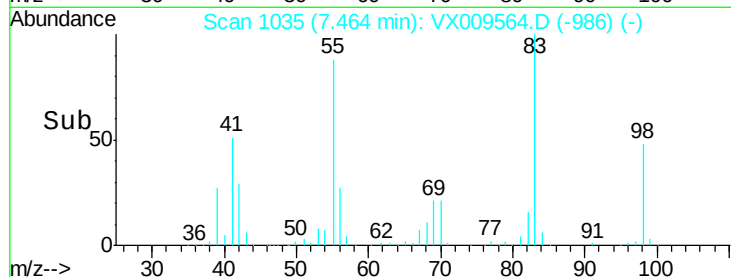
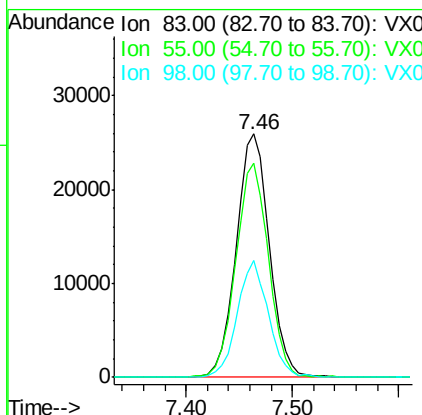
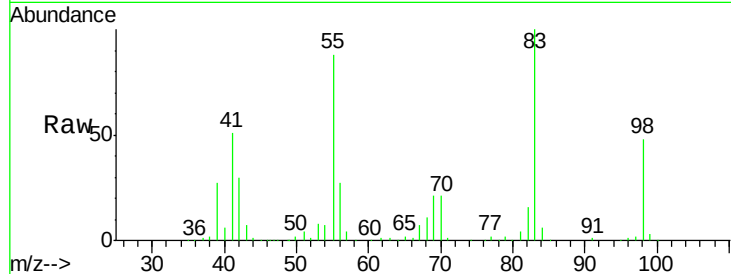
#39
Methylvlcyclohexane
Concen: 19.920 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.2	67.7	101.5
98	48.1	35.5	53.3

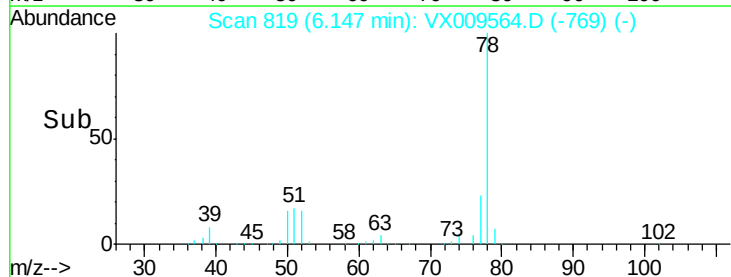
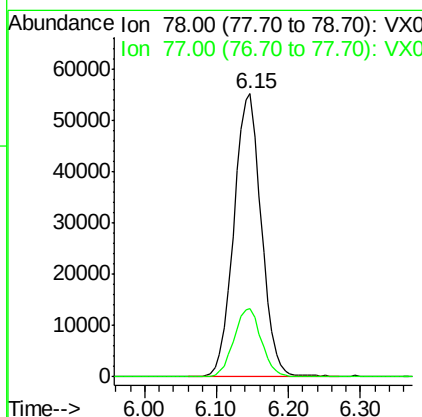
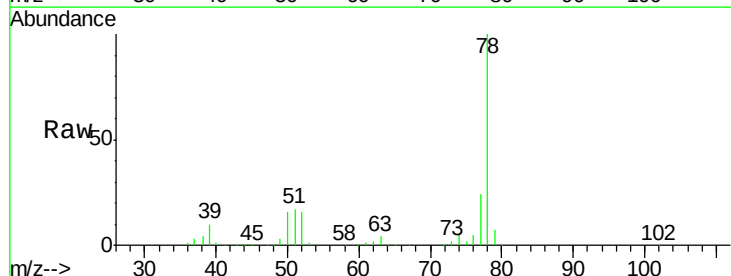
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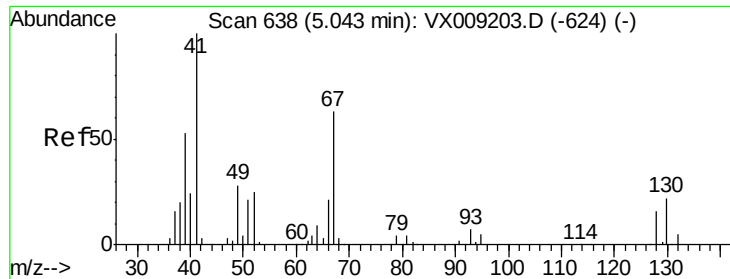
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#40
Benzene
Concen: 20.436 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





#41

Methacrylonitrile

Concen: 19.446 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

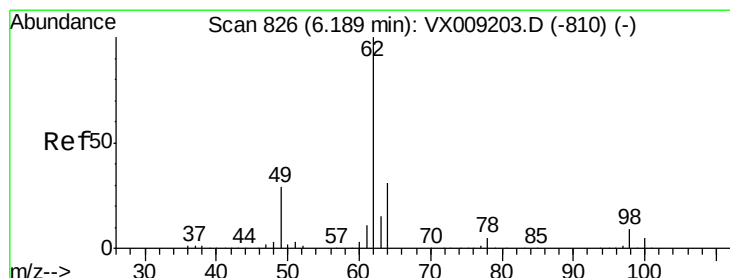
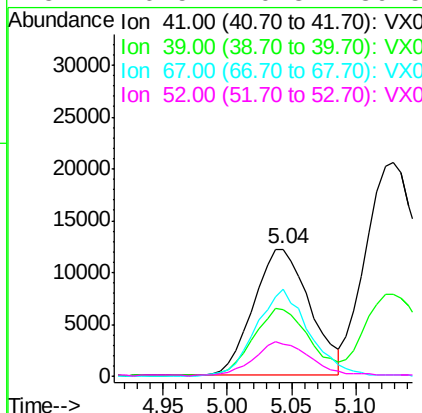
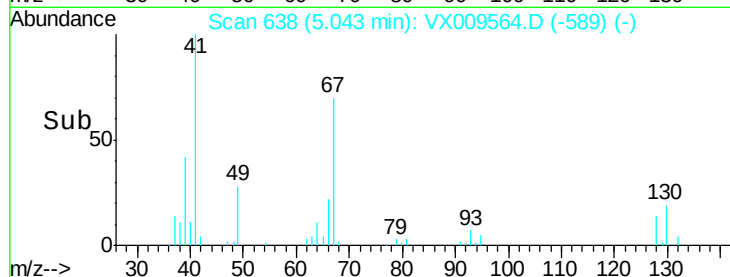
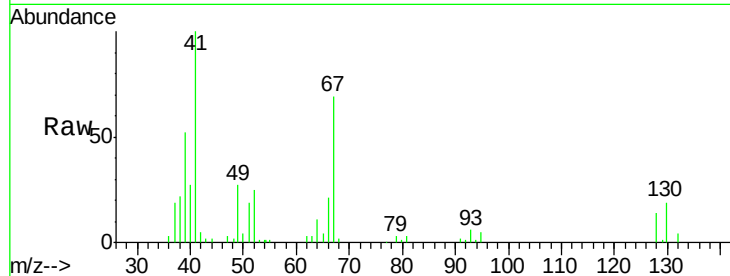
ClientSampleId :

VX0514WBSD01

Tot Ion:	41	Resp:	37322
Ion	Ratio	Lower	Upper
41	100		
39	53.8	42.0	63.0
67	64.9	49.8	74.8
52	26.5	20.3	30.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.861 ug/l

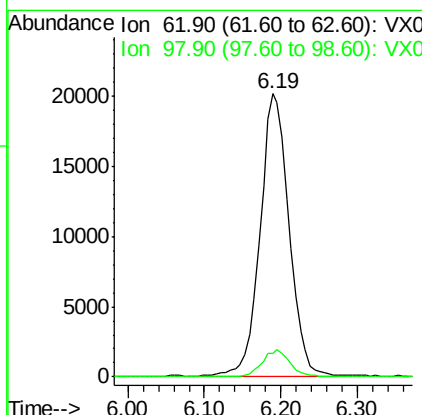
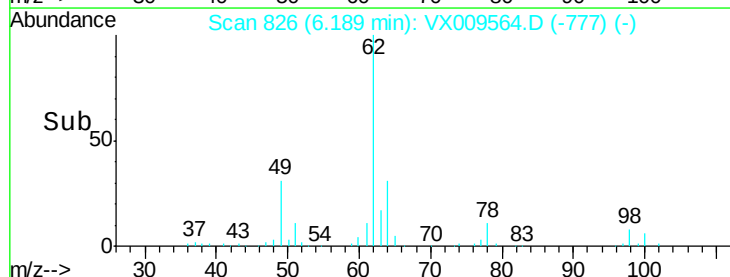
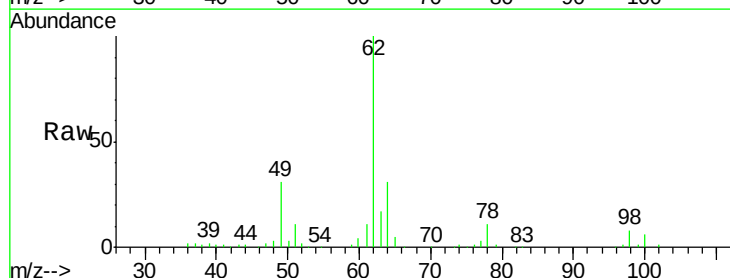
RT: 6.19 min Scan# 826

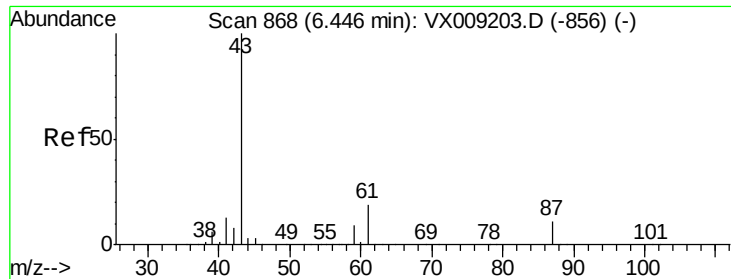
Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion:	62	Resp:	53592
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 20.300 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

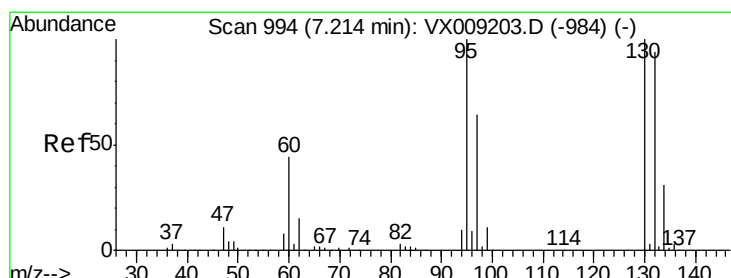
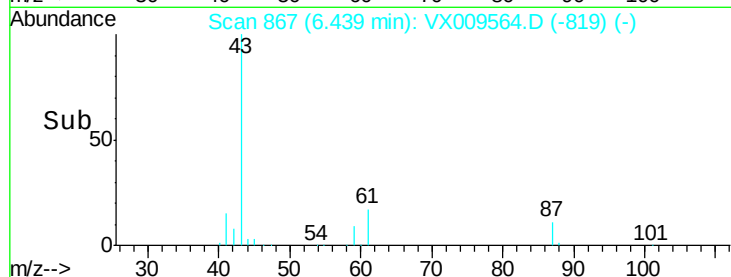
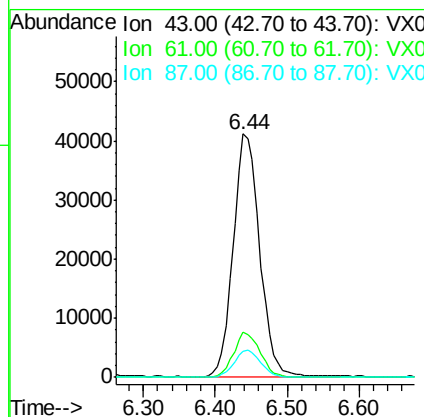
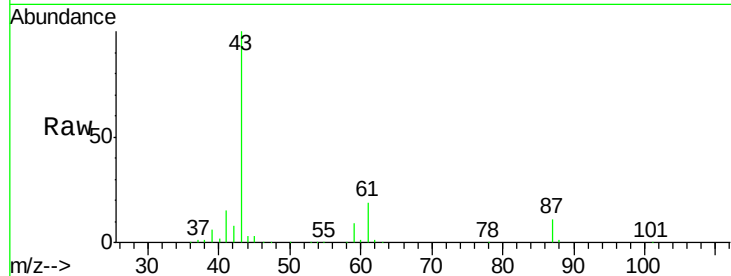
ClientSampleId :

VX0514WBSD01

Tot Ion:	43	Resp:	104694
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	11.2	9.0	13.6

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#44

Trichloroethene

Concen: 19.825 ug/l

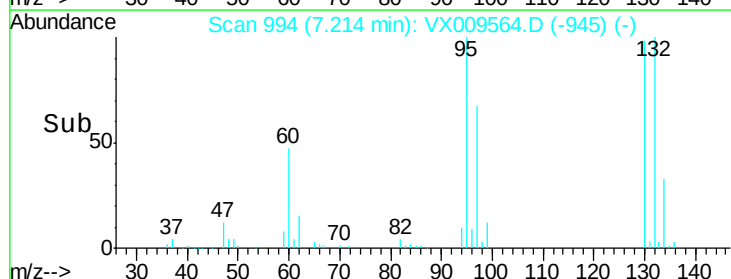
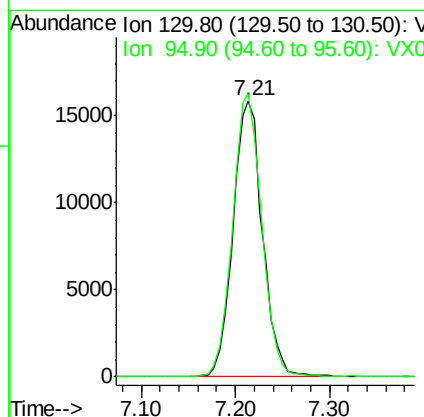
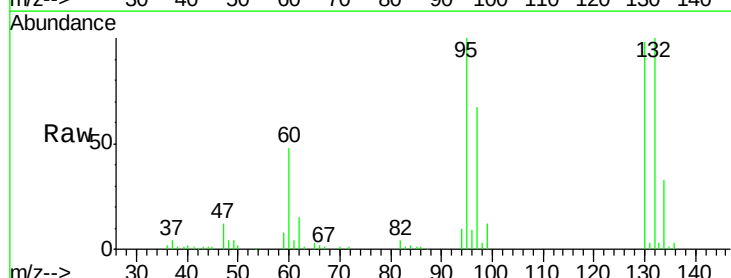
RT: 7.21 min Scan# 994

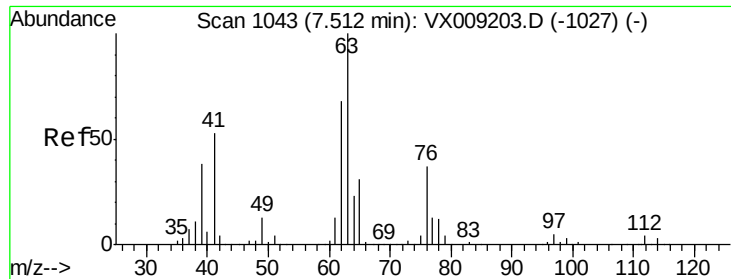
Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion:	130	Resp:	34325
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	199.2





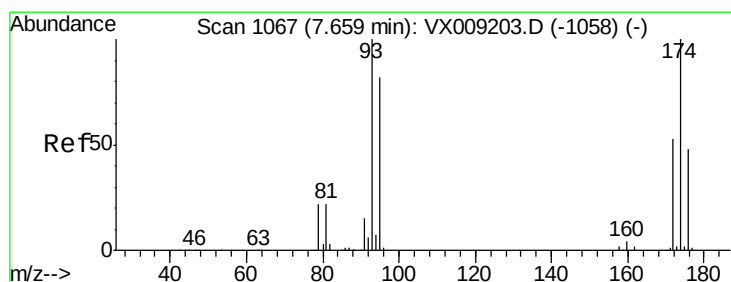
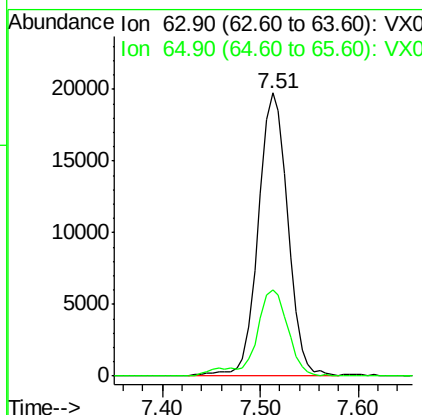
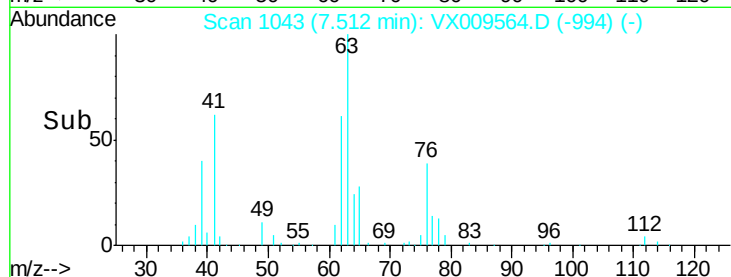
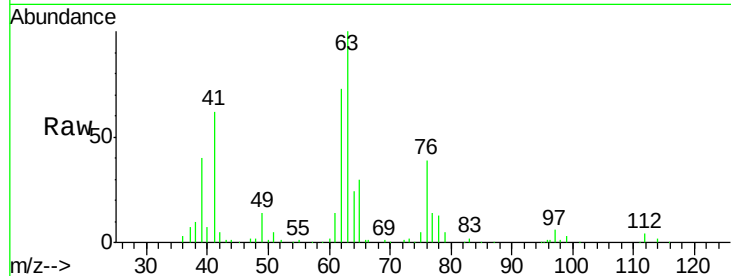
#45
 1,2-Dichloropropane
 Concen: 20.509 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion: 63 Resp: 41591
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

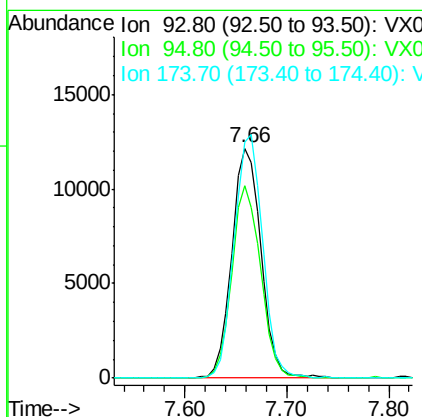
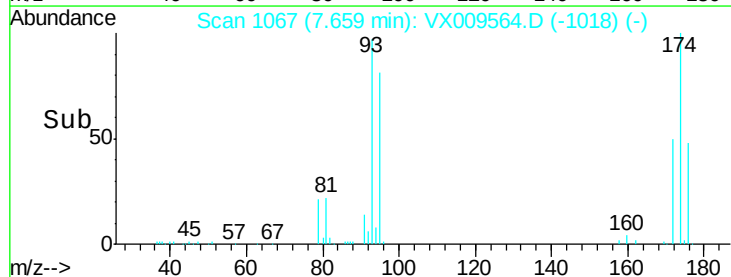
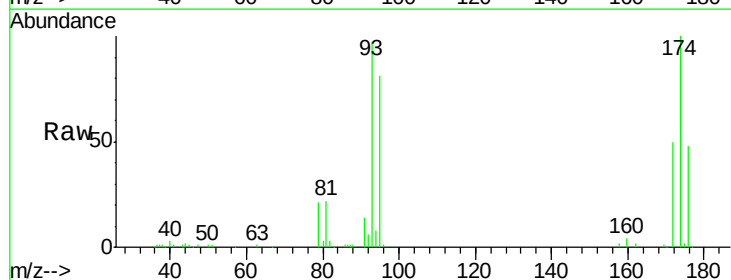
Manual Integrations
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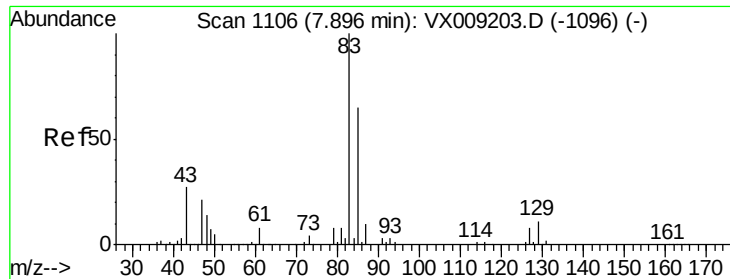
MMDadoda
 5/15/2019 12:25:51 PM



#46
 Dibromomethane
 Concen: 20.393 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion: 93 Resp: 24016
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.5 99.7
 174 103.3 82.1 123.1





#47

Bromodichloromethane

Concen: 20.089 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

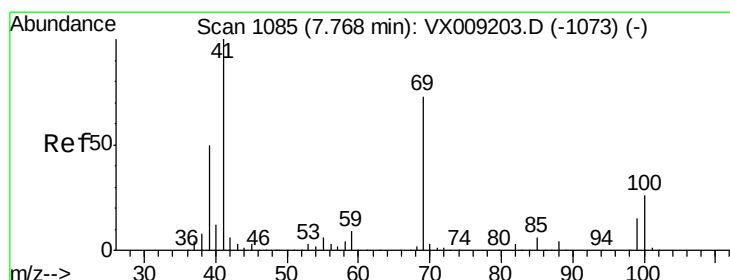
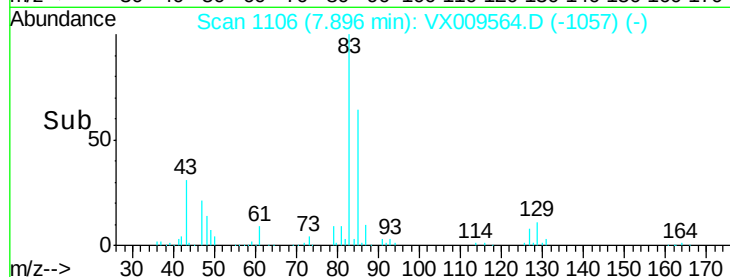
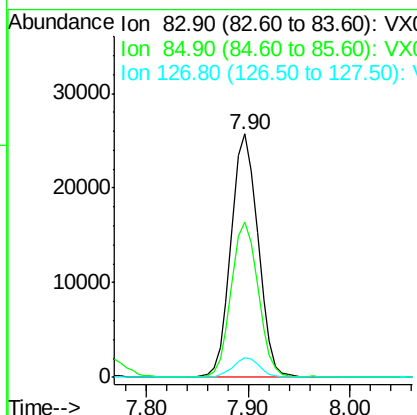
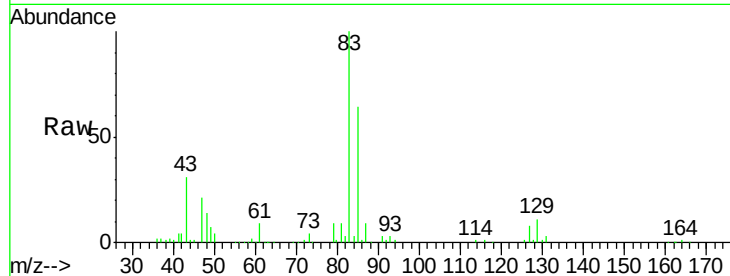
ClientSampleId :

VX0514WBSD01

Tot Ion:	83	Resp:	47190
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.4	78.6
127	8.3	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.417 ug/l

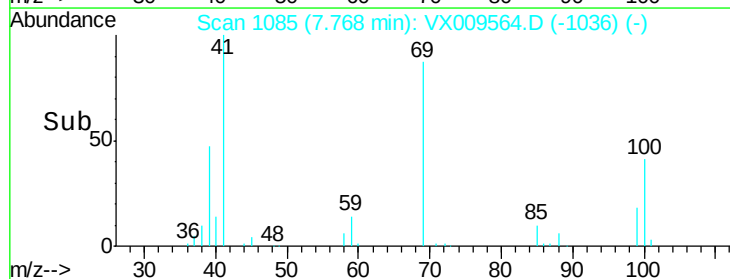
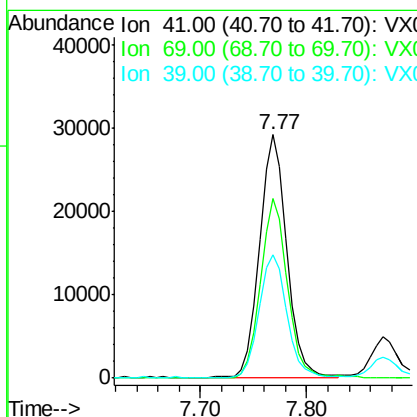
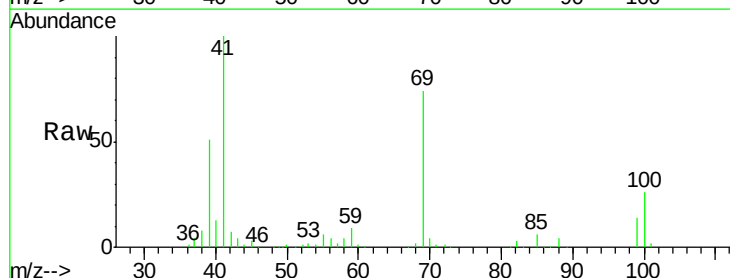
RT: 7.77 min Scan# 1085

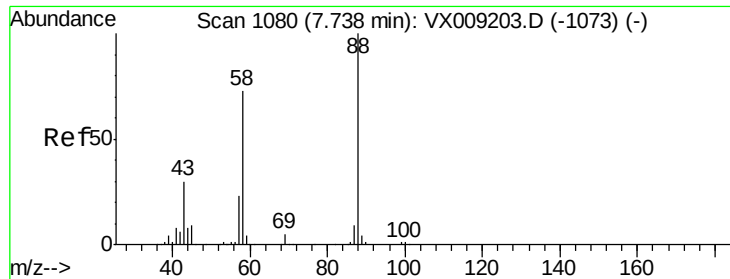
Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion:	41	Resp:	52242
Ion	Ratio	Lower	Upper
41	100		
69	73.5	59.1	88.7
39	51.8	40.4	60.6





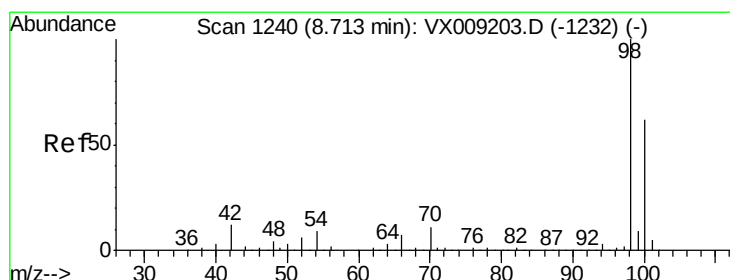
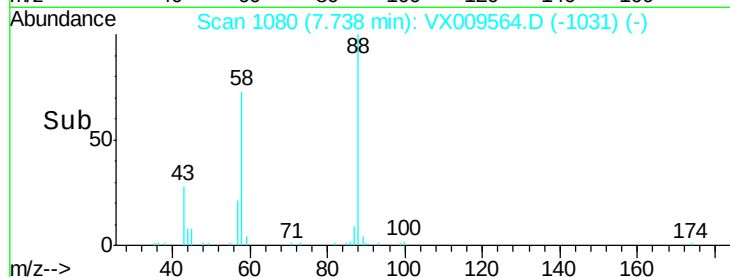
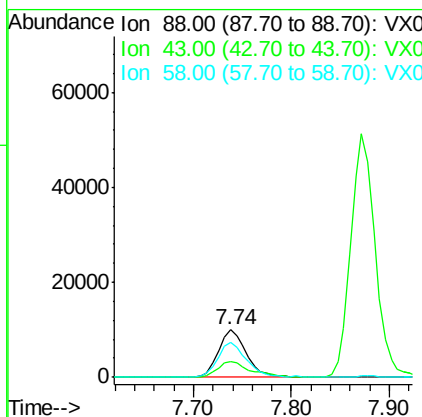
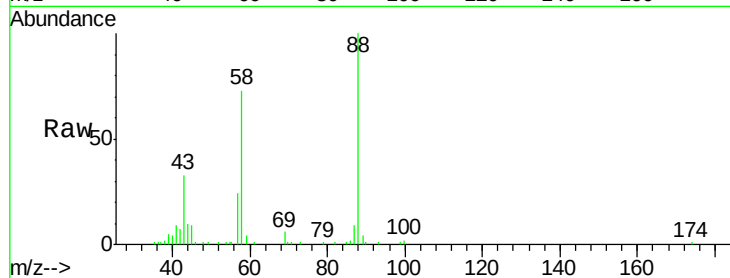
#49
1,4-Dioxane
Concen: 380.863 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampled :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.6	42.8
58	77.4	61.7	92.5

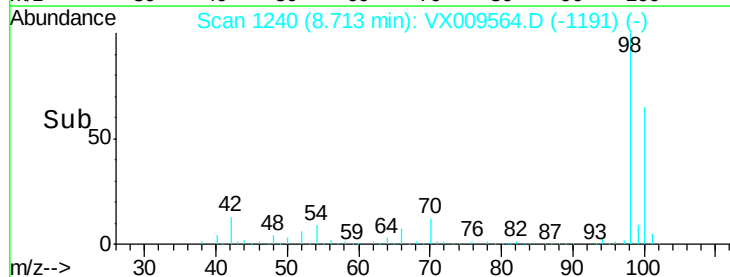
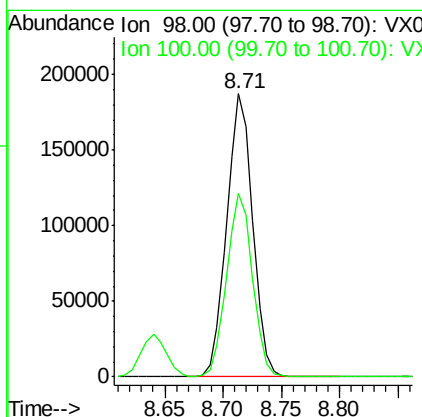
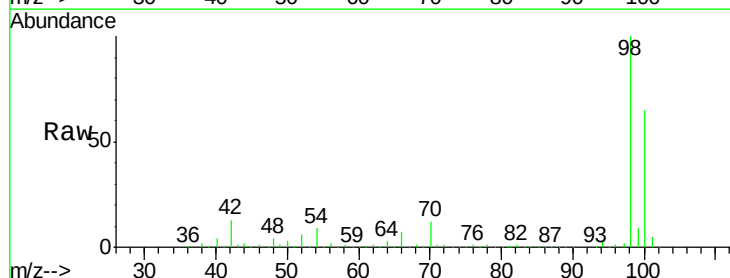
Manual Integrations
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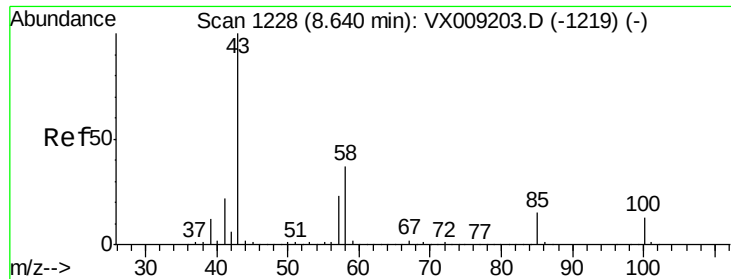
MMDadoda
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#50
Toluene-d8
Concen: 45.885 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 101.607 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 43 Resp: 342513

Ion Ratio Lower Upper

43 100

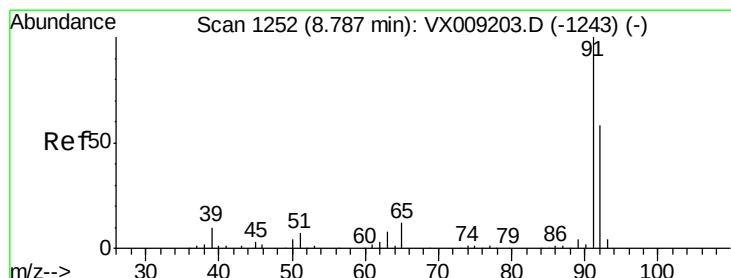
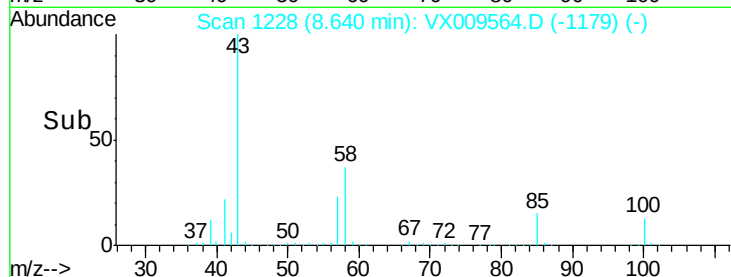
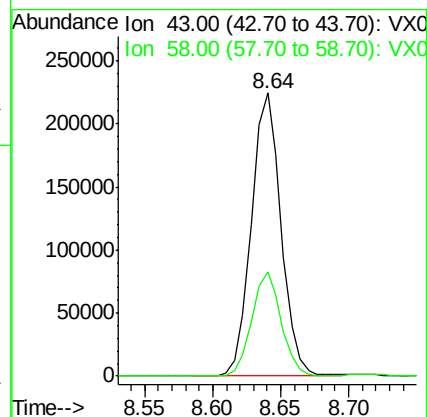
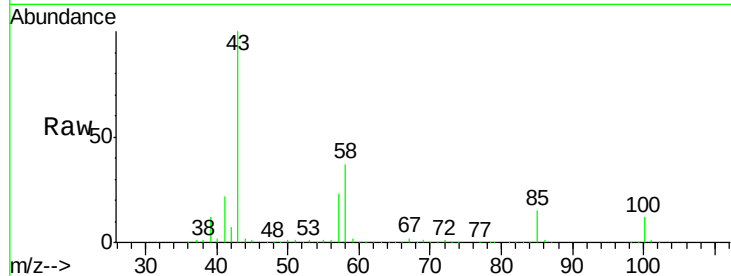
58 36.7 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 20.359 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009564.D

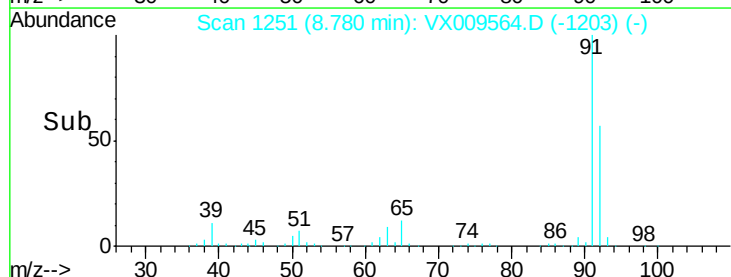
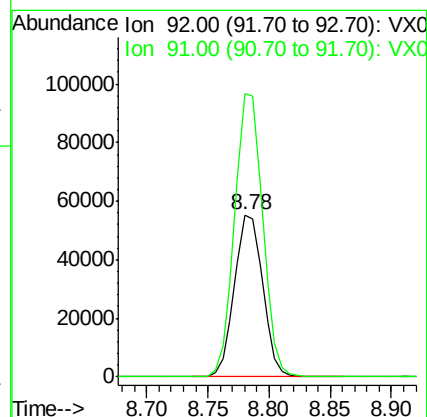
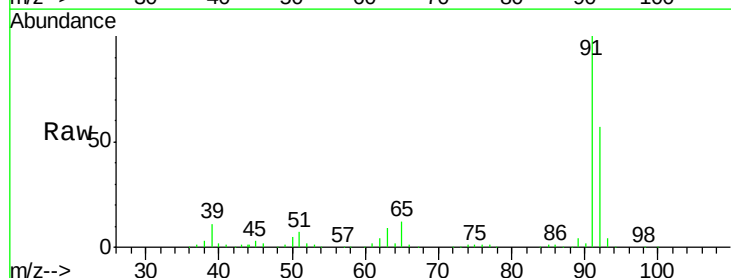
Acq: 14 May 2019 16:03

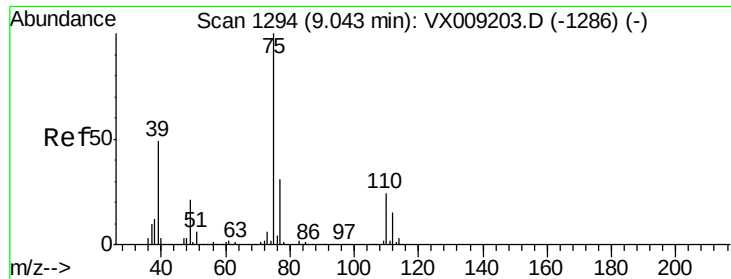
Tgt Ion: 92 Resp: 88631

Ion Ratio Lower Upper

92 100

91 173.6 138.8 208.2





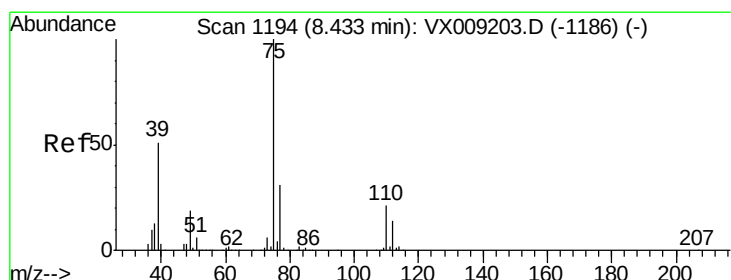
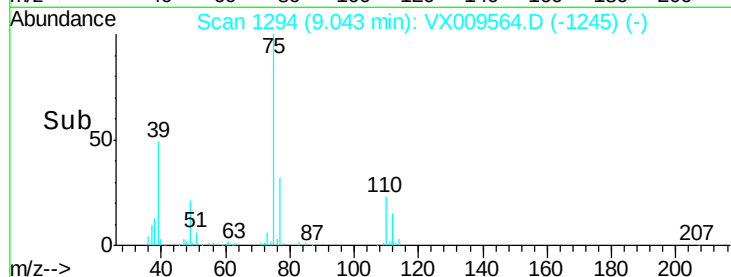
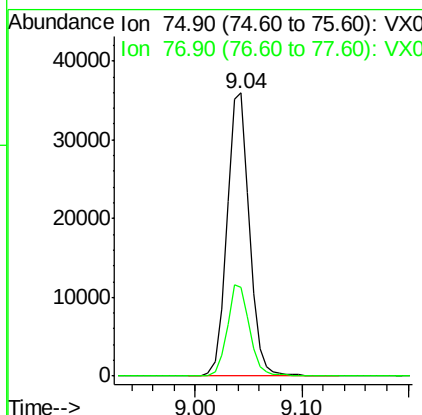
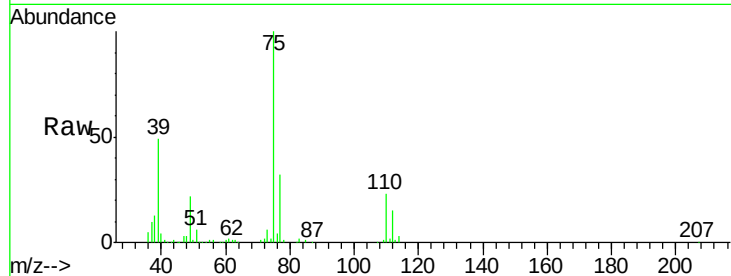
#53
t-1,3-Dichloropropene
Concen: 19.906 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion: 75 Resp: 52793
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6

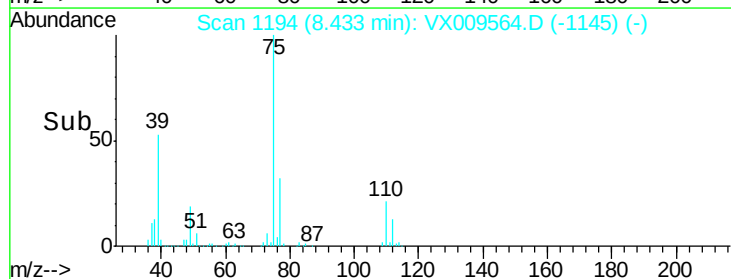
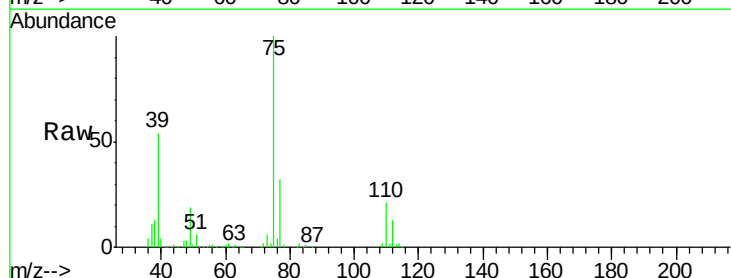
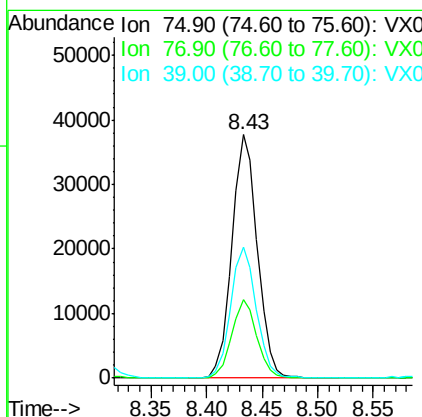
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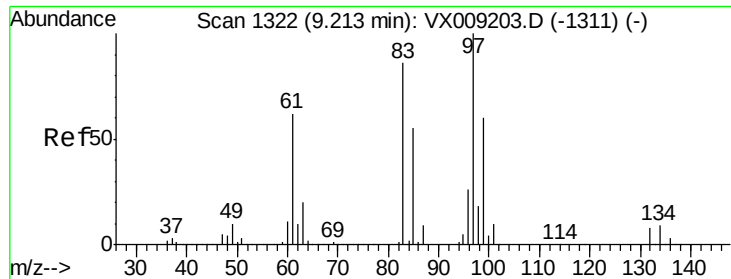
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.338 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 75 Resp: 59702
Ion Ratio Lower Upper
75 100
77 32.3 24.6 36.8
39 53.3 40.6 60.8





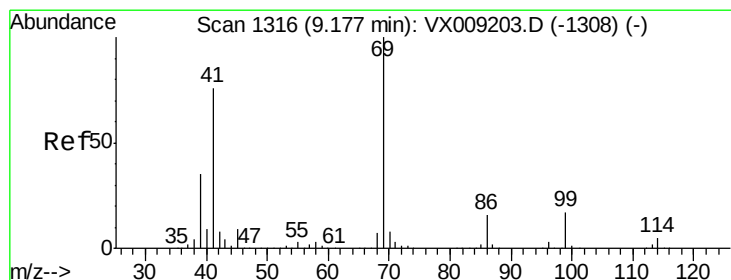
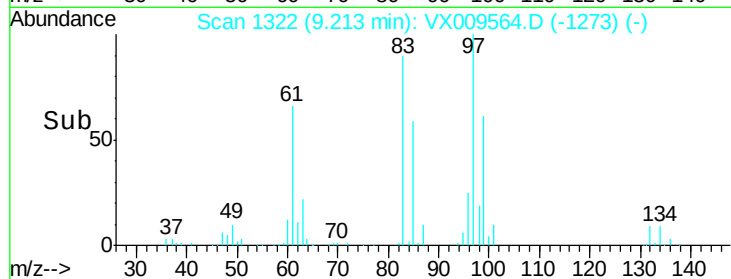
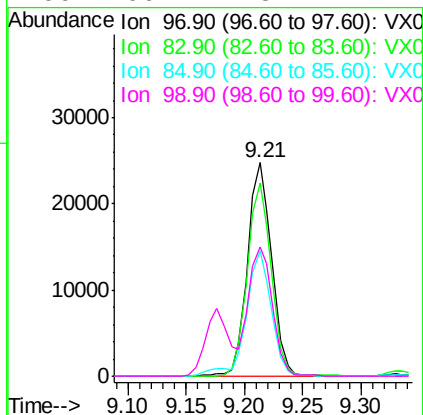
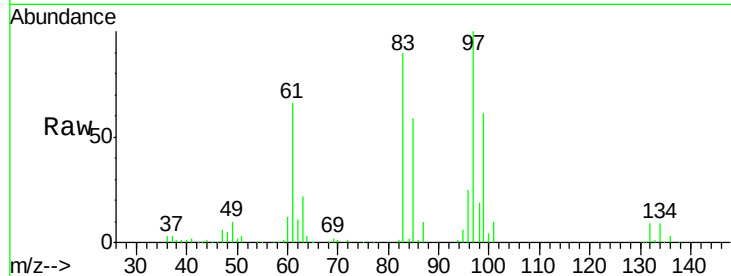
#55
 1,1,2-Trichloroethane
 Concen: 20.268 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion:	97	Resp:	35998
Ion	Ratio	Lower	Upper
97	100		
83	90.3	68.9	103.3
85	58.9	43.8	65.6
99	60.2	48.2	72.2

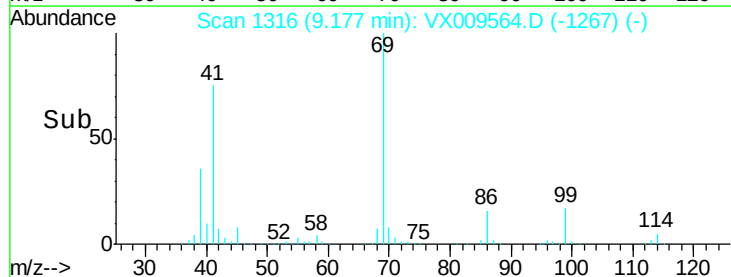
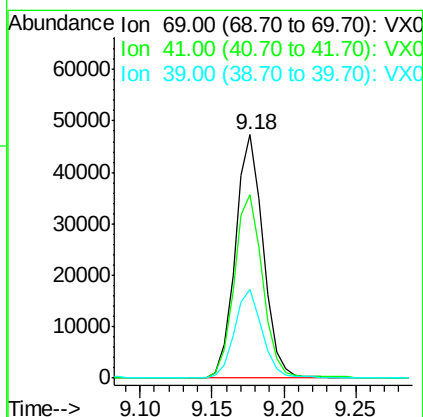
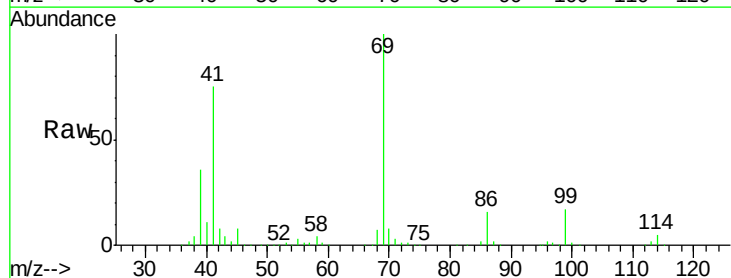
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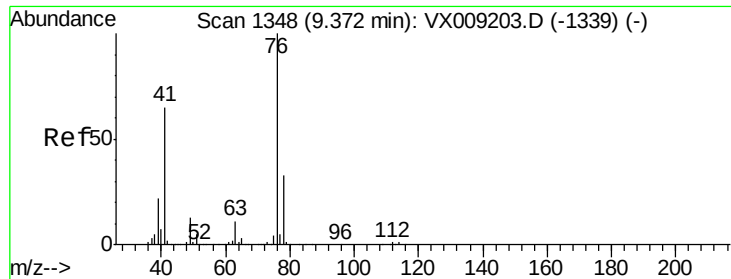
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#56
 Ethyl methacrylate
 Concen: 20.106 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion:	69	Resp:	63743
Ion	Ratio	Lower	Upper
69	100		
41	76.7	60.6	90.8
39	36.2	28.2	42.4





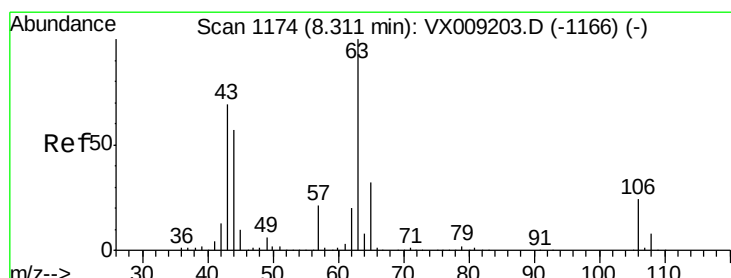
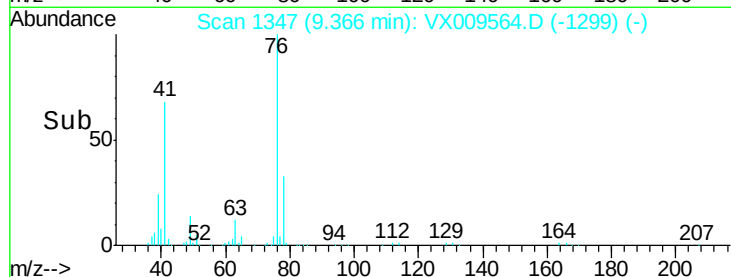
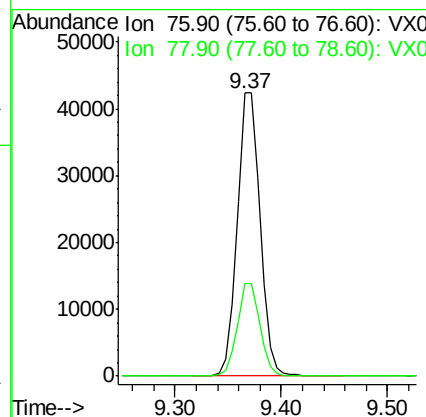
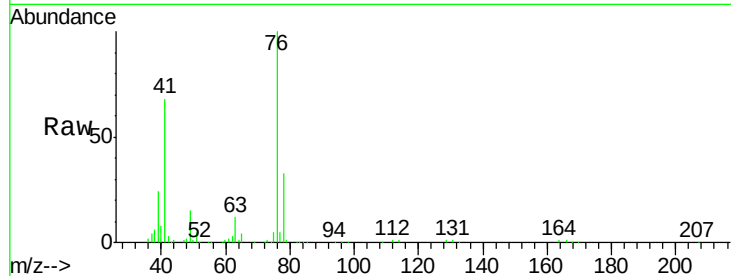
#57
 1,3-Dichloropropane
 Concen: 20.521 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion: 76 Resp: 64137
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3

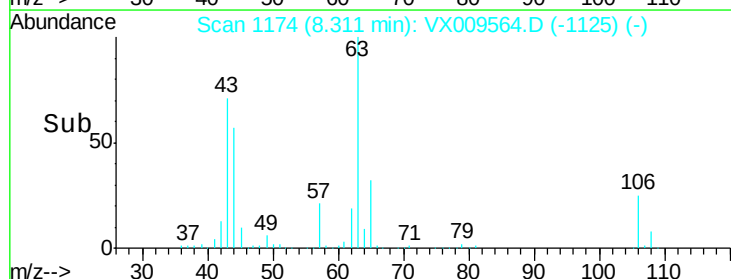
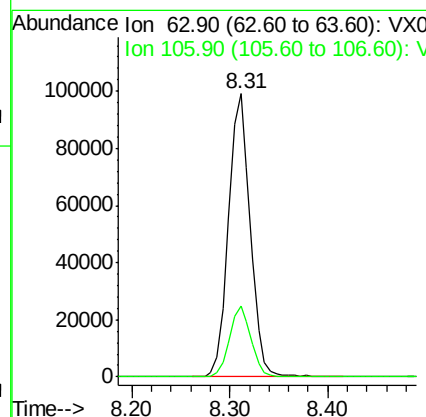
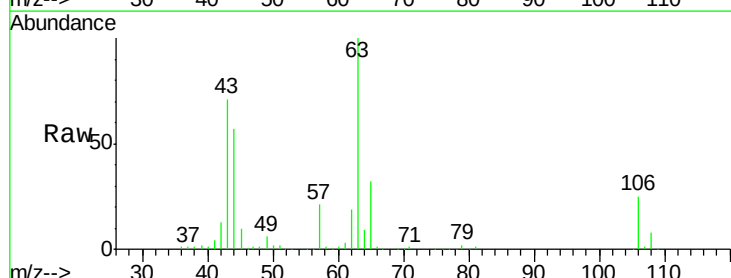
Manual Integrations
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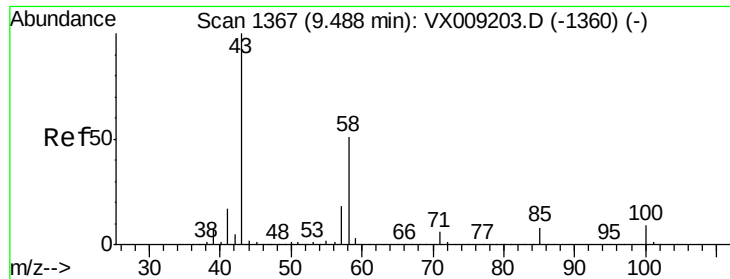
MMDadoda
 5/15/2019 12:25:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.697 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion: 63 Resp: 152544
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5





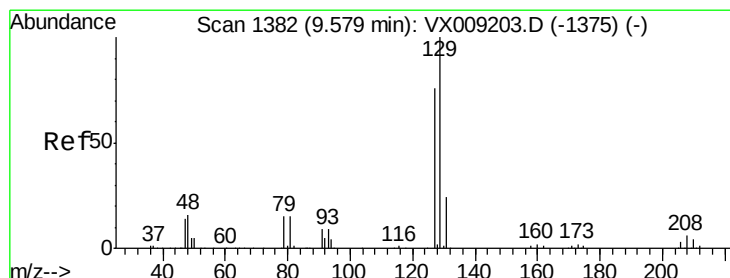
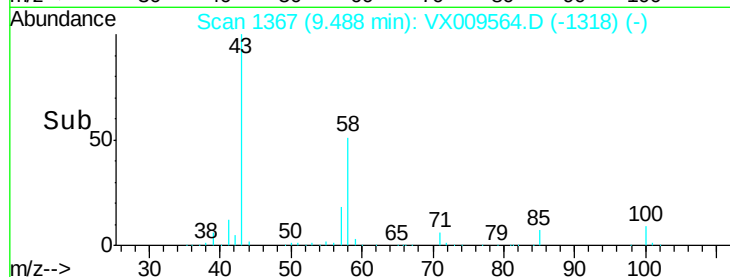
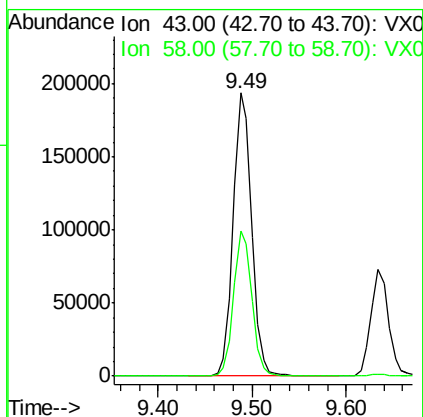
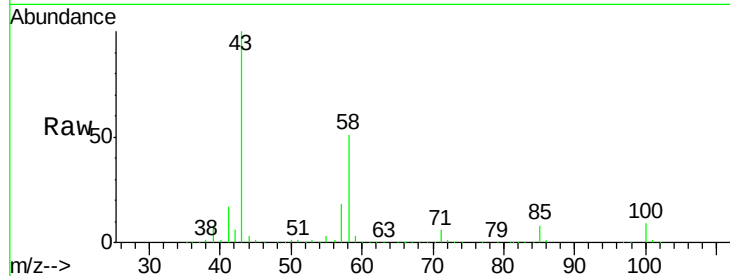
#59
2-Hexanone
Concen: 99.190 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion: 43 Resp: 262607
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.7

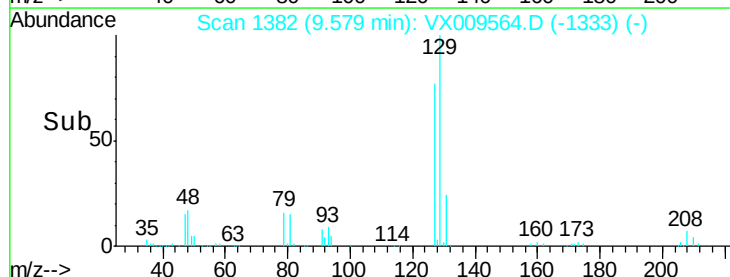
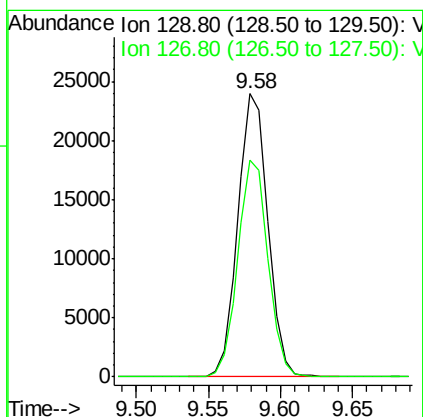
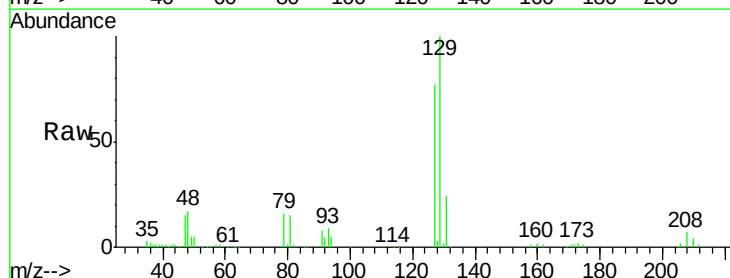
Manual Integrations
APPROVED

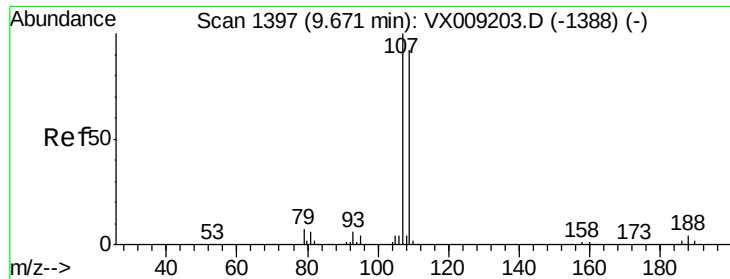
MMDadoda
5/15/2019 12:25:51 PM



#60
Dibromochloromethane
Concen: 19.983 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 129 Resp: 34665
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.365 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion:107 Resp: 36512

Ion Ratio Lower Upper

107 100

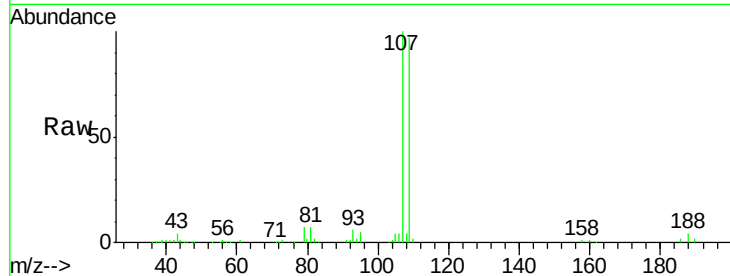
109 94.7 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

5/15/2019 12:25:51 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

15000

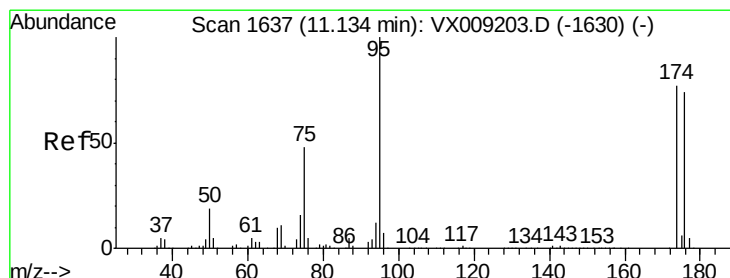
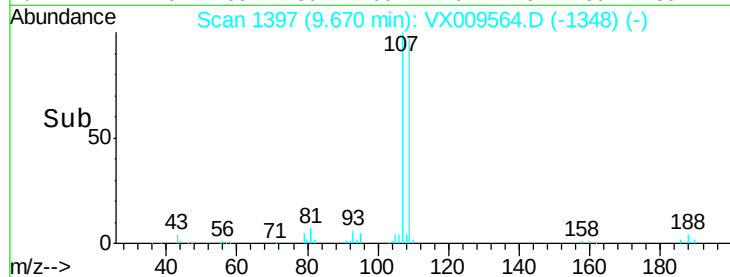
10000

5000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 45.934 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

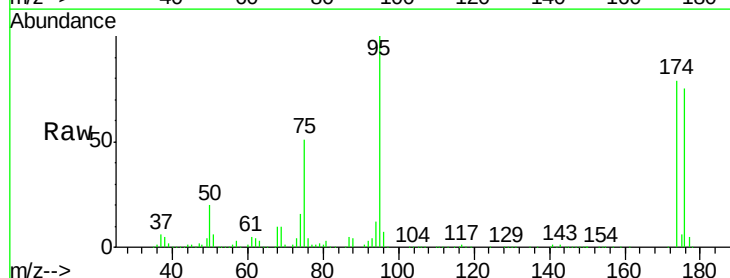
Tgt Ion: 95 Resp: 105484

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 79.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

100000

80000

60000

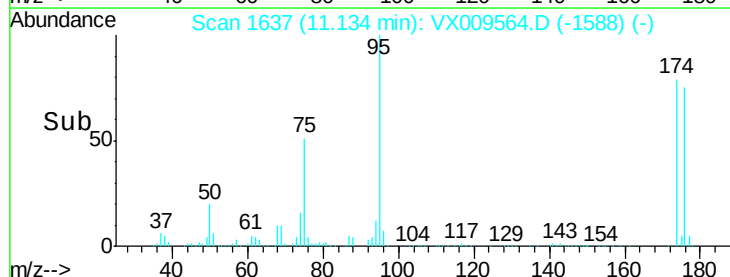
40000

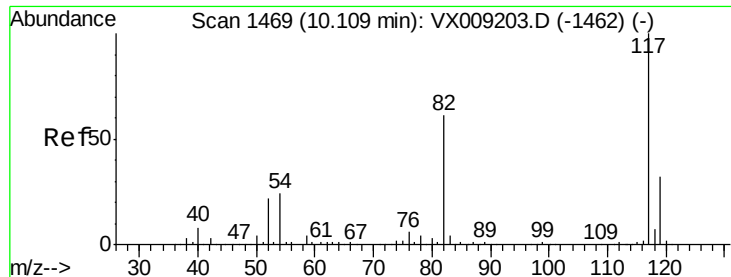
20000

0

11.10 11.20

Time-->





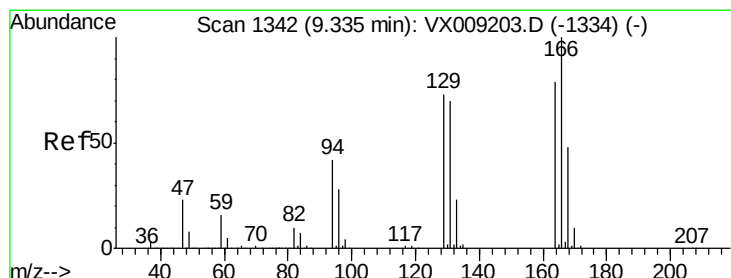
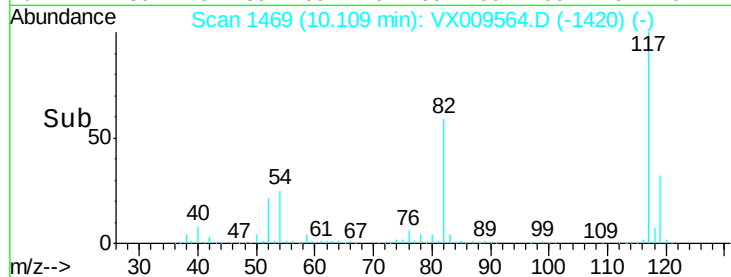
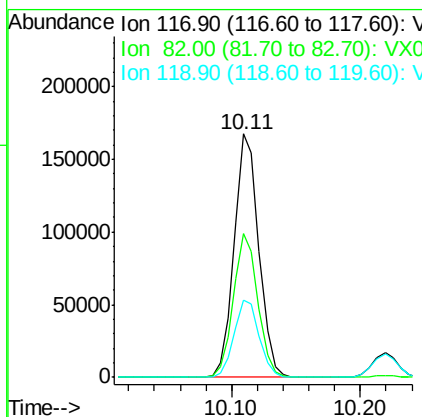
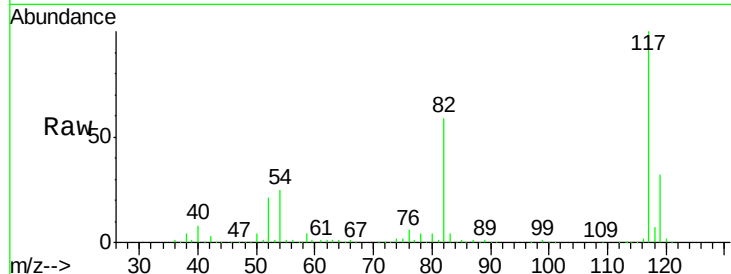
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	48.8	73.2
119	32.0	25.8	38.6

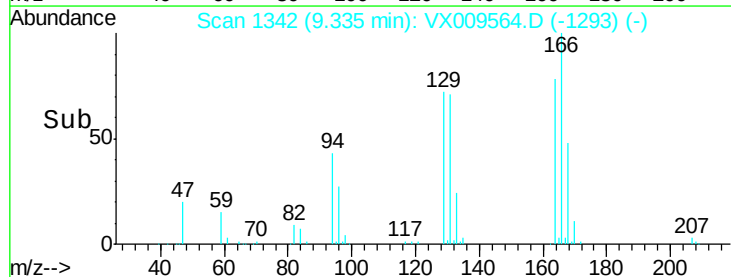
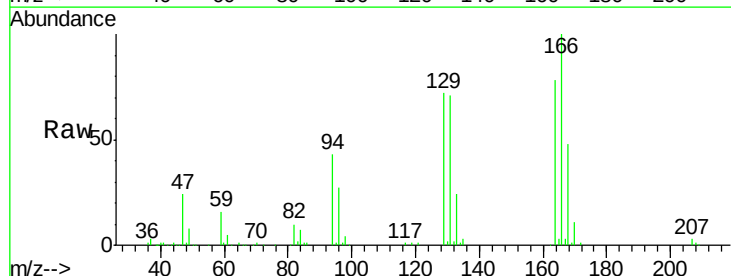
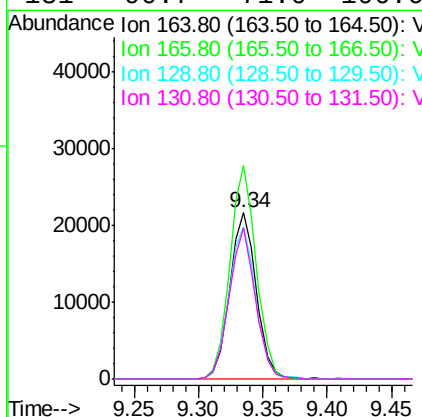
Manual Integrations
APPROVED

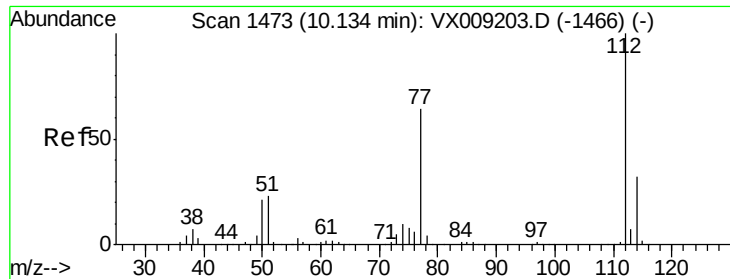
MMDadoda
5/15/2019 12:25:51 PM



#64
Tetrachloroethene
Concen: 20.258 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.2	151.8
129	91.9	74.3	111.5
131	90.7	71.0	106.6





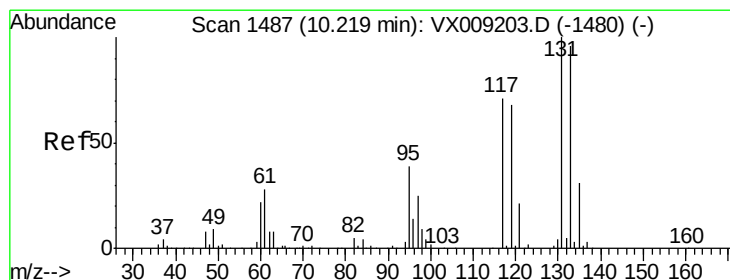
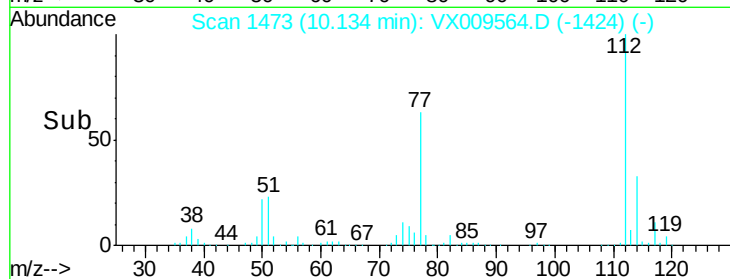
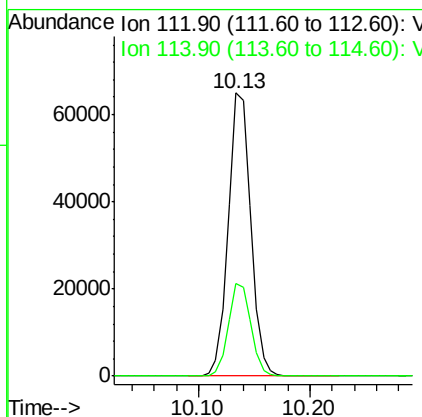
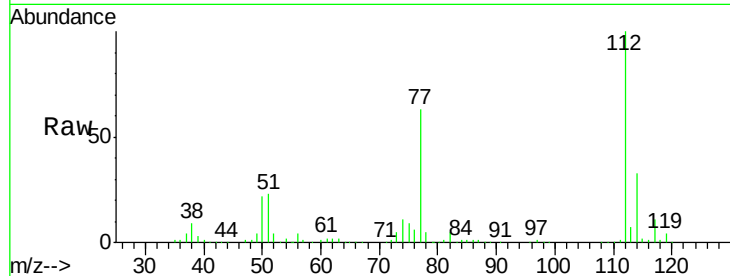
#65
Chlorobenzene
Concen: 20.302 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampled :
VX0514WBSD01

Tot Ion:112 Resp: 90978
Ion Ratio Lower Upper
112 100
114 32.8 25.5 38.3

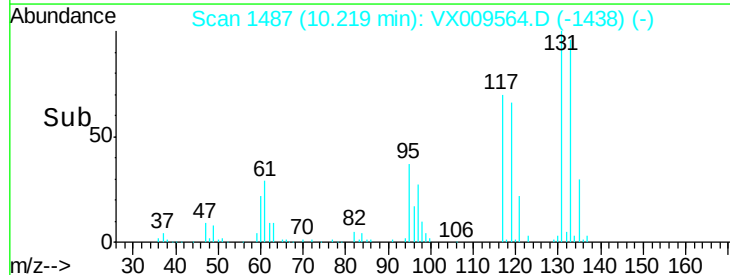
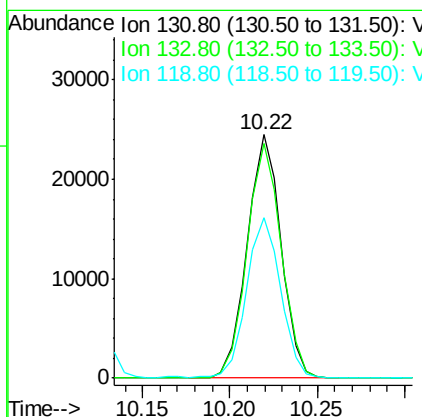
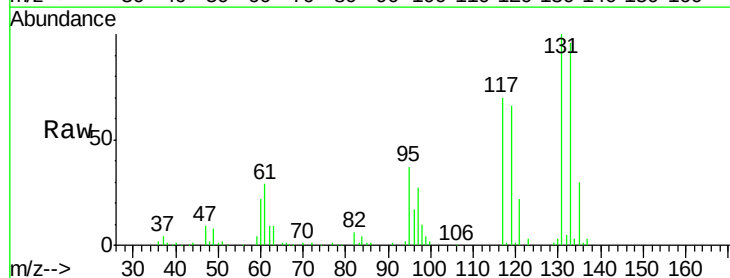
Manual Integrations
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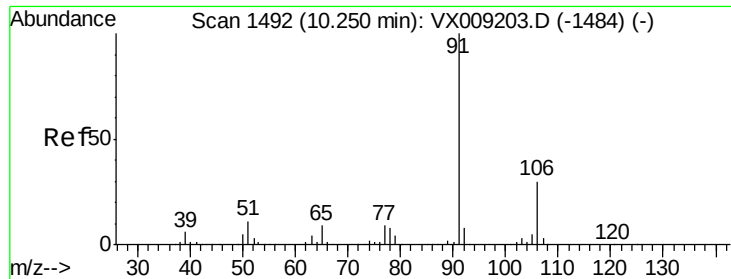
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.324 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion:131 Resp: 33019
Ion Ratio Lower Upper
131 100
133 97.3 47.7 143.1
119 66.5 33.5 100.4





#67

Ethyl Benzene

Concen: 20.305 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 91 Resp: 167460

Ion Ratio Lower Upper

91 100

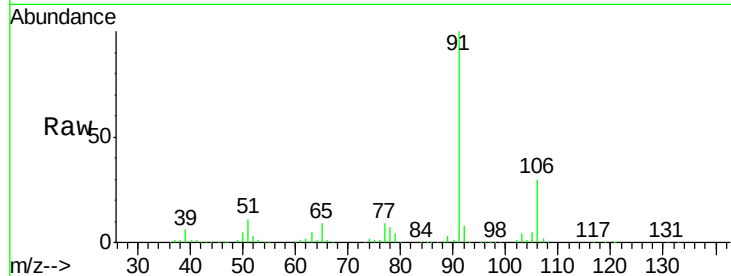
106 29.8 24.0 36.0

Manual Integrations

APPROVED

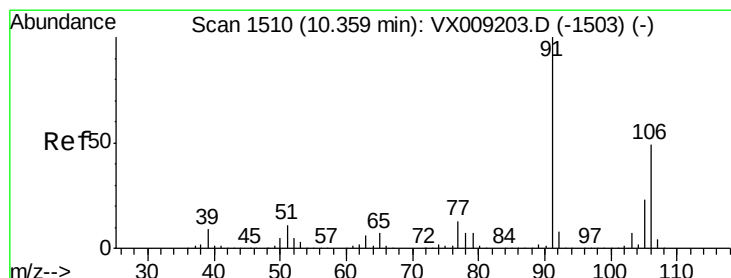
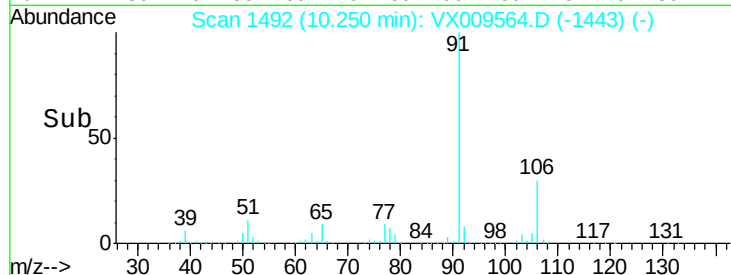
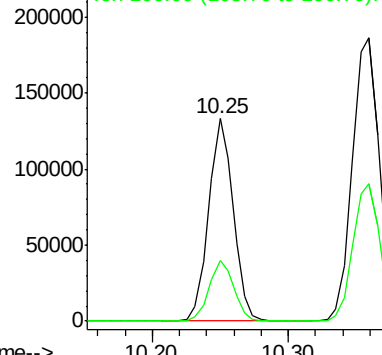
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.511 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009564.D

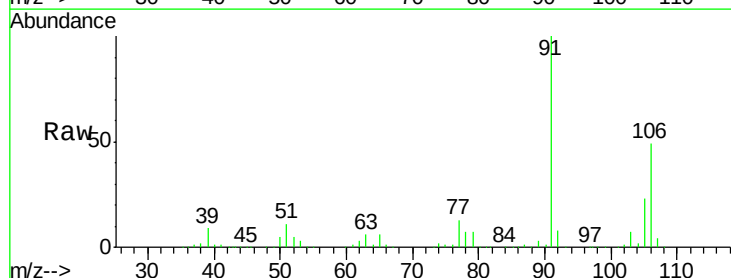
Acq: 14 May 2019 16:03

Tgt Ion: 106 Resp: 125103

Ion Ratio Lower Upper

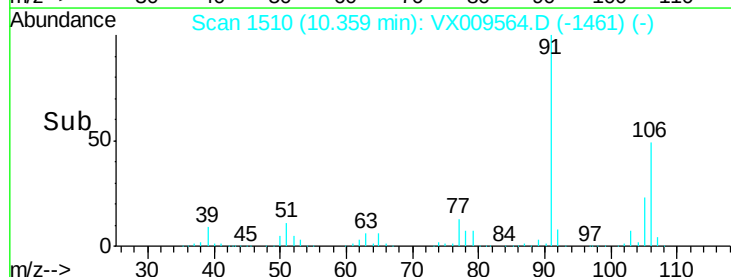
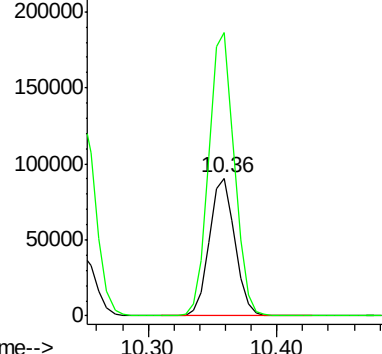
106 100

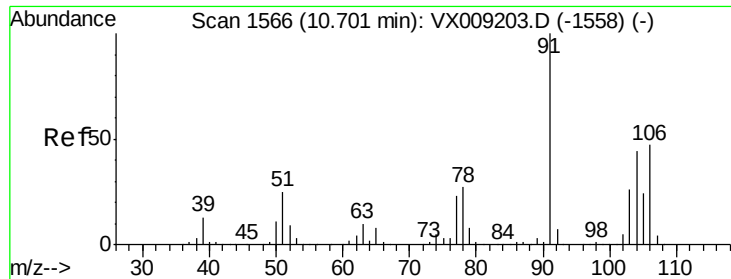
91 206.6 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





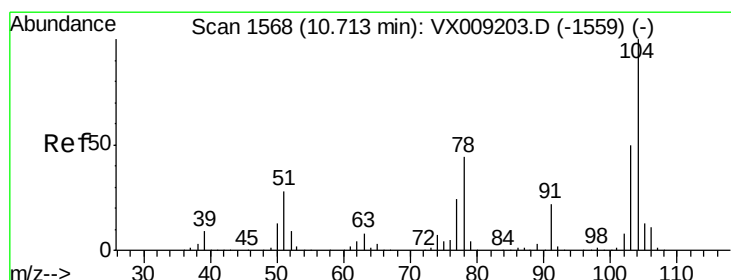
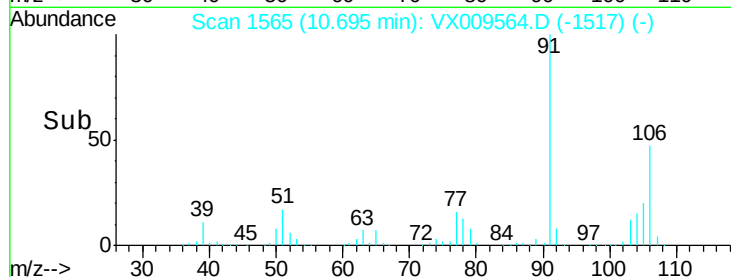
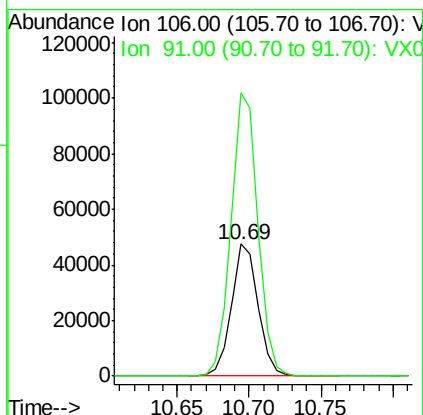
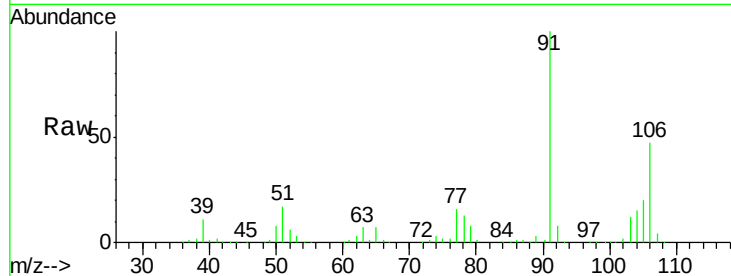
#69
o-Xylene
Concen: 20.746 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion:106 Resp: 61688
Ion Ratio Lower Upper
106 100
91 216.6 109.5 328.4

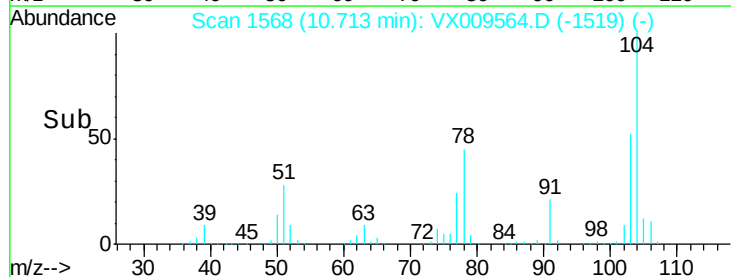
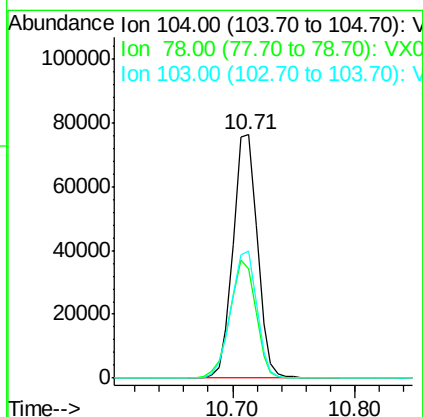
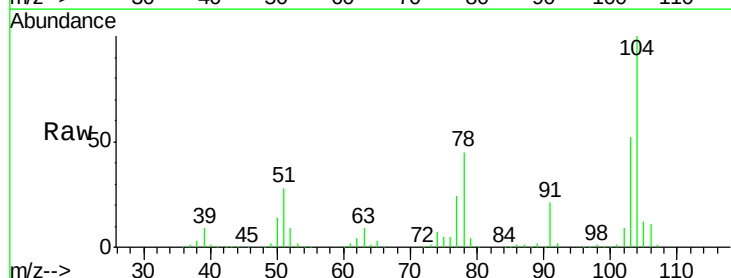
Manual Integrations
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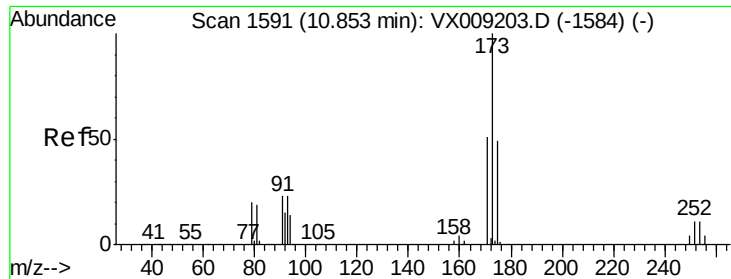
MMDadoda
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#70
Styrene
Concen: 20.220 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion:104 Resp: 104500
Ion Ratio Lower Upper
104 100
78 51.9 41.0 61.4
103 56.1 43.8 65.6





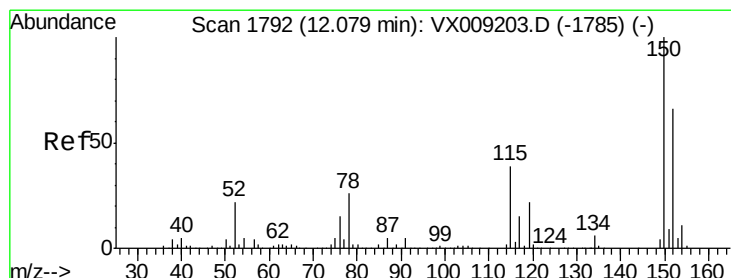
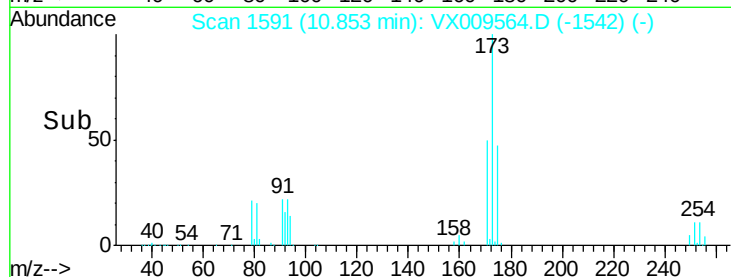
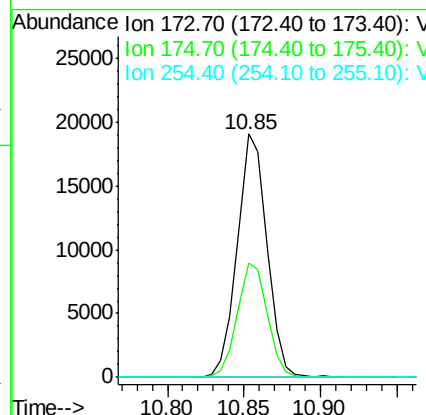
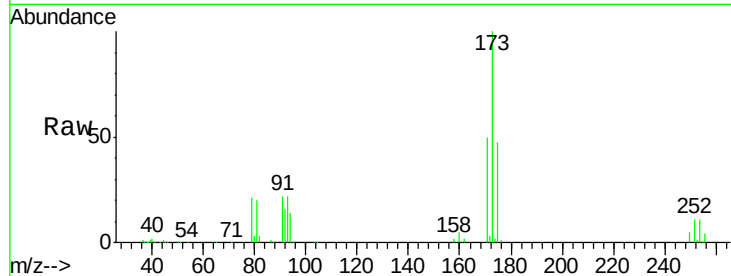
#71
Bromoform
Concen: 19.443 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.5	73.5
254	0.2	0.1	0.1#

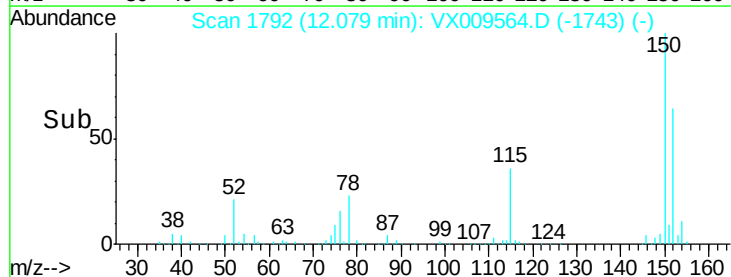
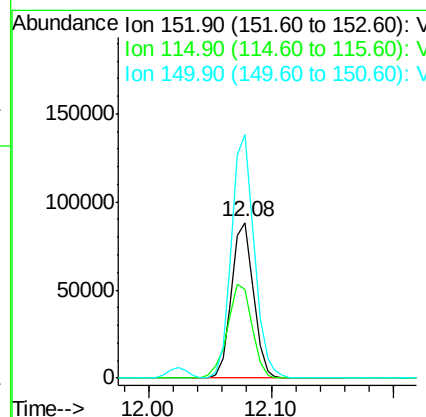
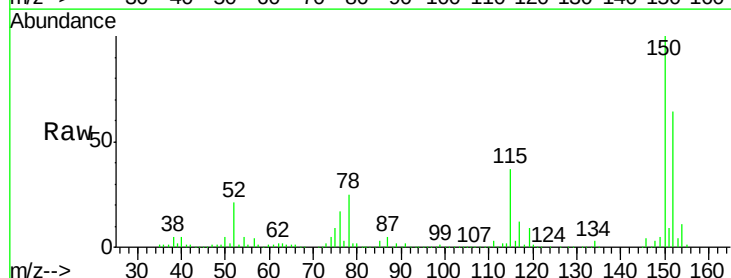
Manual Integrations
APPROVED

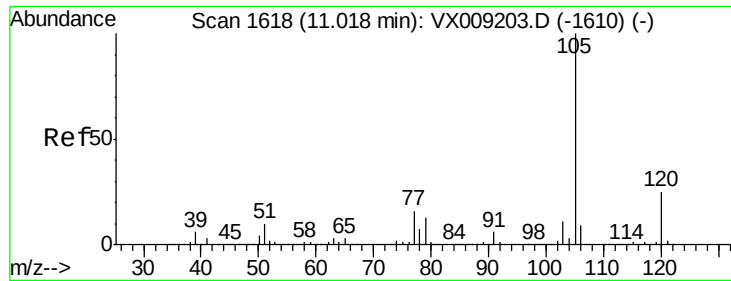
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.9	41.2	123.6
150	162.8	0.0	346.4





#73

Isopropylbenzene

Concen: 20.467 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion: 105 Resp: 162317

Ion Ratio Lower Upper

105 100

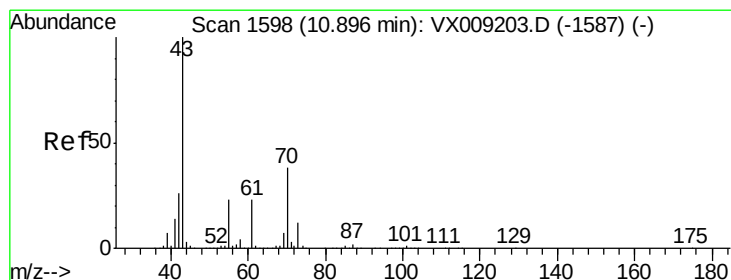
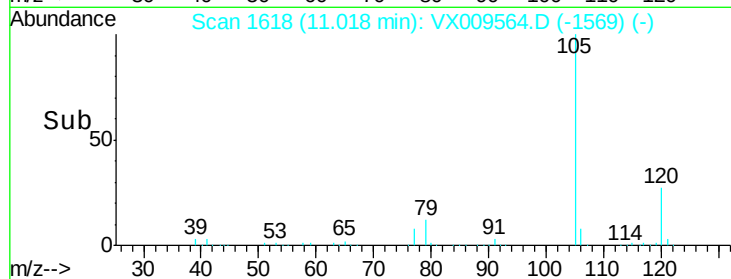
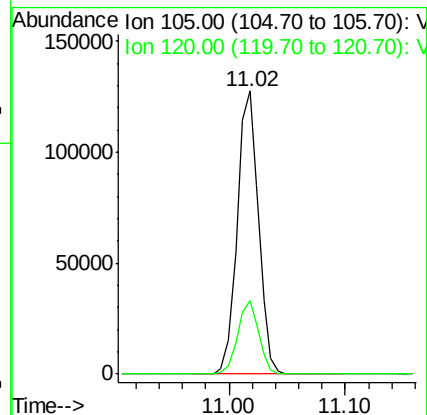
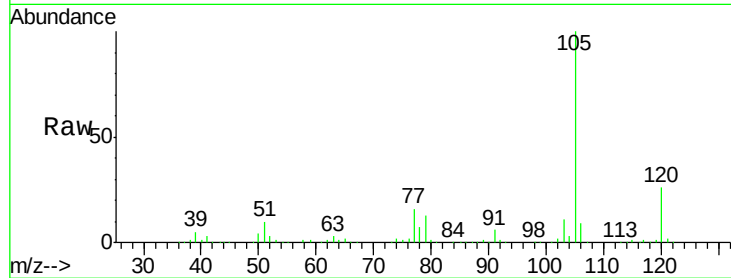
120 25.6 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.706 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion: 43 Resp: 91116

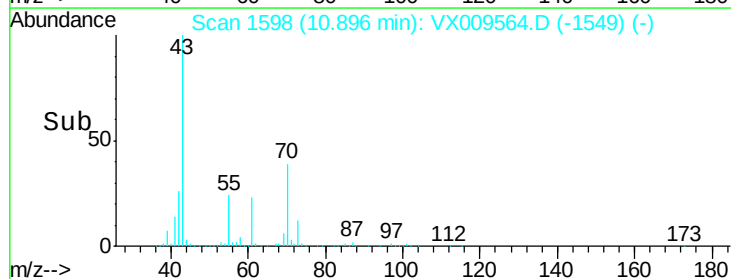
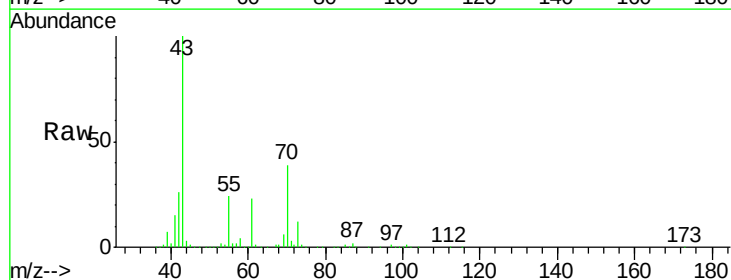
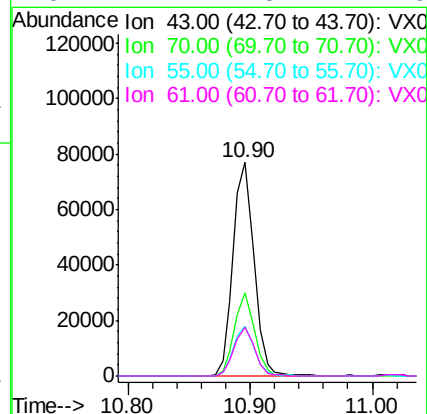
Ion Ratio Lower Upper

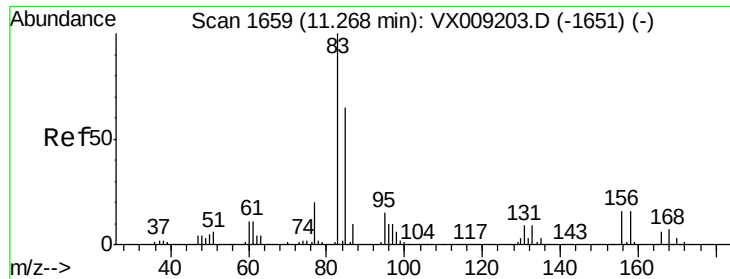
43 100

70 37.7 30.0 45.0

55 23.4 17.9 26.9

61 22.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.005 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

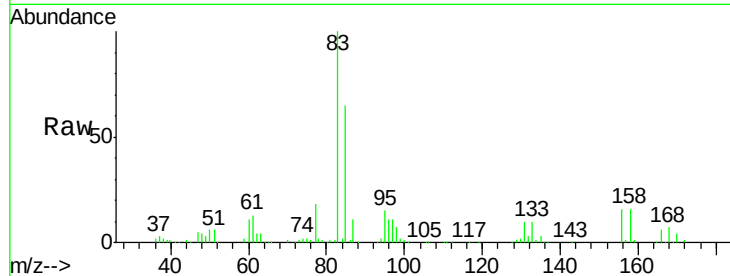
ClientSampleId :

VX0514WBSD01

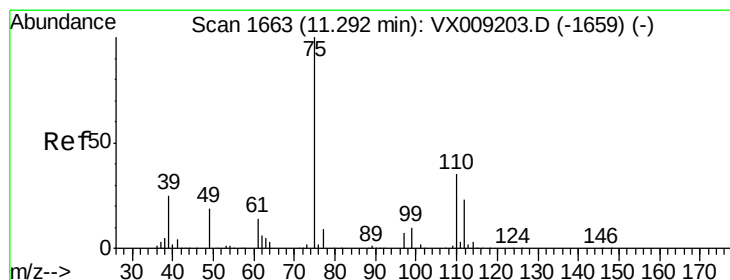
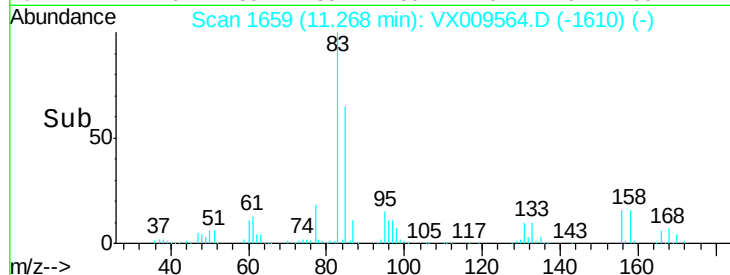
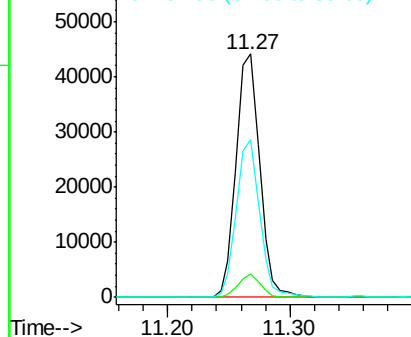
Tot Ion:	83	Resp:	59145
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.6	13.8
85	64.0	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 20.184 ug/l m

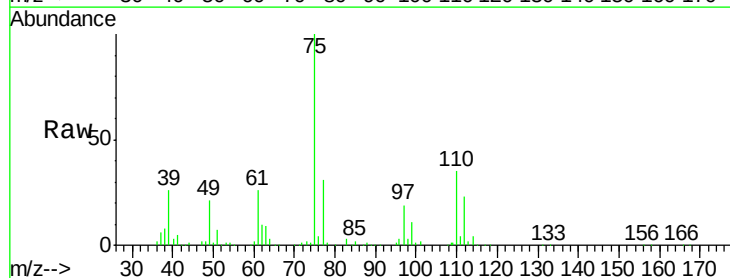
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

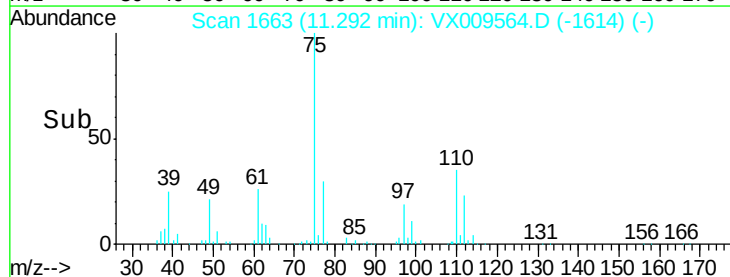
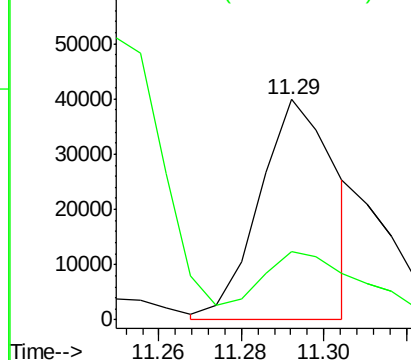
Lab File: VX009564.D

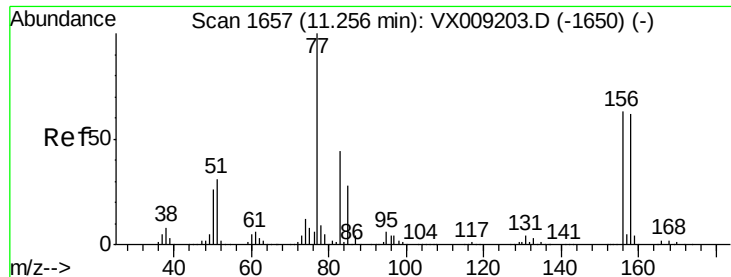
Acq: 14 May 2019 16:03

Tgt Ion:	75	Resp:	51062
Ion Ratio	Lower	Upper	
75	100		
77	42.5	22.1	66.1



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





#77

Bromobenzene

Concen: 20.427 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

VX0514WBSD01

Tot Ion:156 Resp: 40209

Ion Ratio Lower Upper

156 100

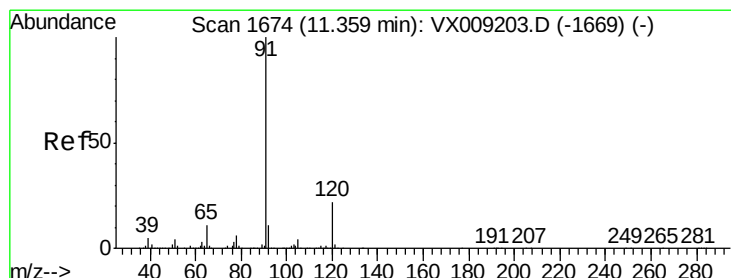
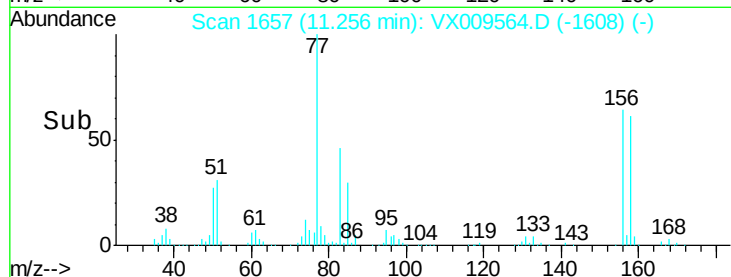
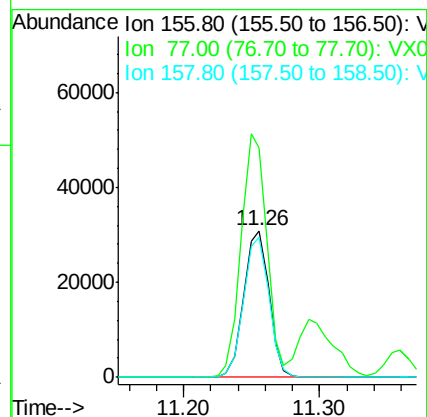
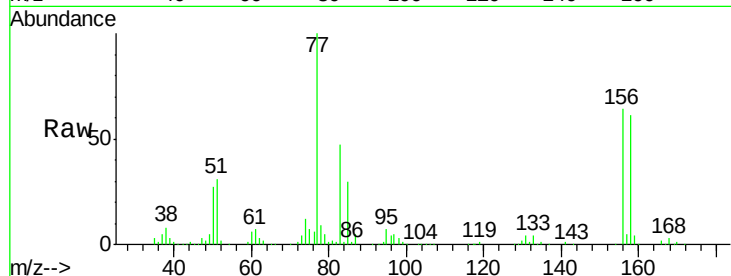
77 167.7 84.8 254.3

158 96.0 49.1 147.3

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#78

n-propylbenzene

Concen: 20.649 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009564.D

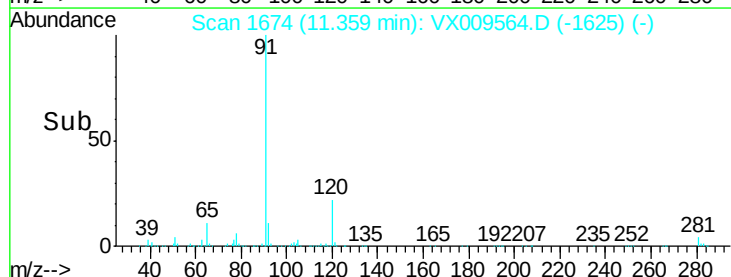
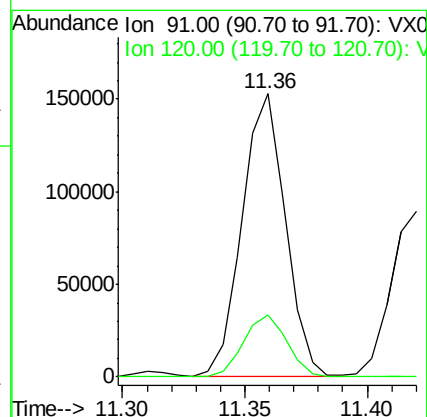
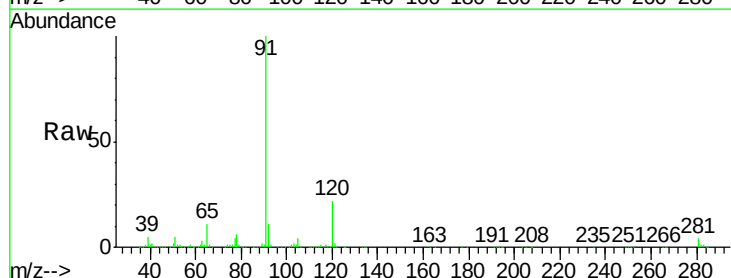
Acq: 14 May 2019 16:03

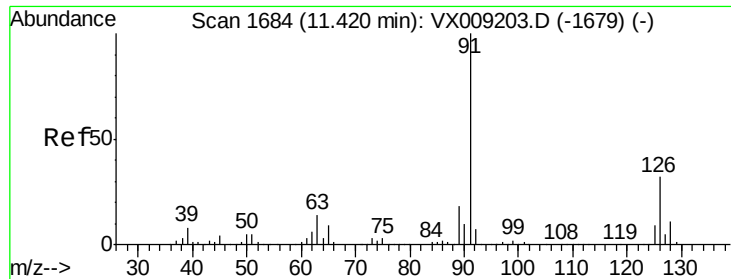
Tgt Ion: 91 Resp: 187021

Ion Ratio Lower Upper

91 100

120 22.2 11.0 33.0





#79

2-Chlorotoluene

Concen: 19.830 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

VX0514WBSD01

Tot Ion: 91 Resp: 110809

Ion Ratio Lower Upper

91 100

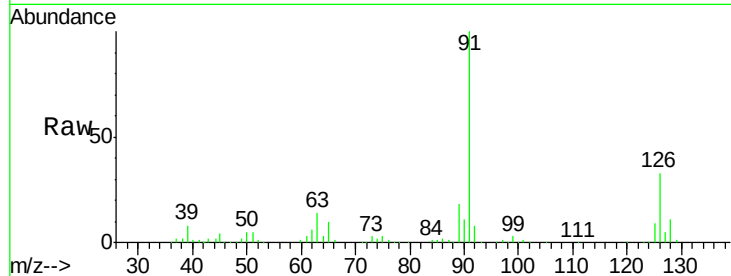
126 32.9 16.3 48.9

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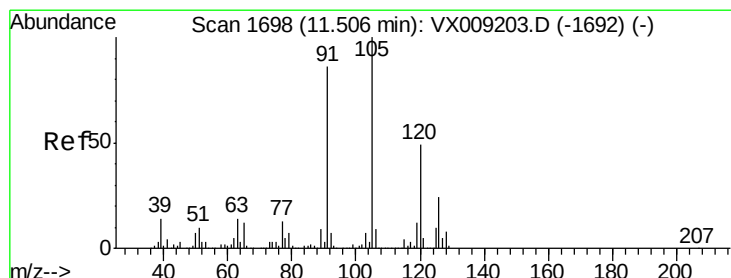
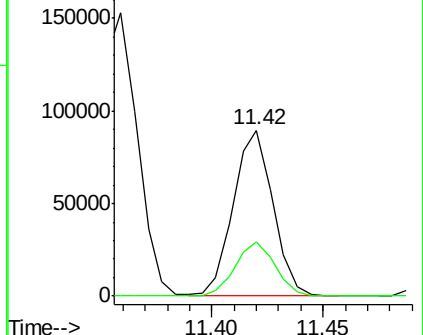
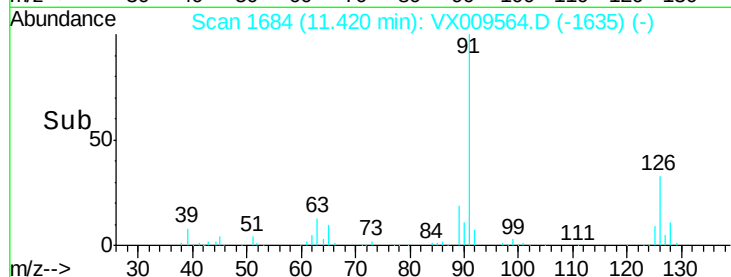
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Abundance Ion 91.00 (90.70 to 91.70): VX009564.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009564.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.479 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009564.D

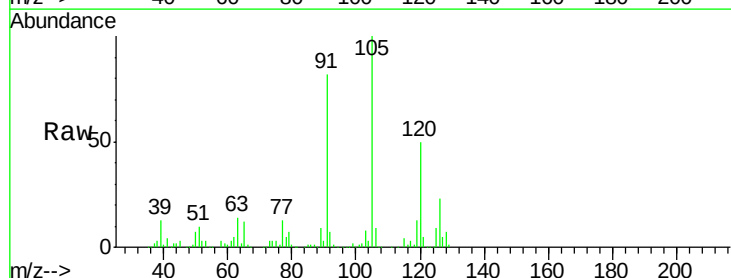
Acq: 14 May 2019 16:03

Tgt Ion: 105 Resp: 136754

Ion Ratio Lower Upper

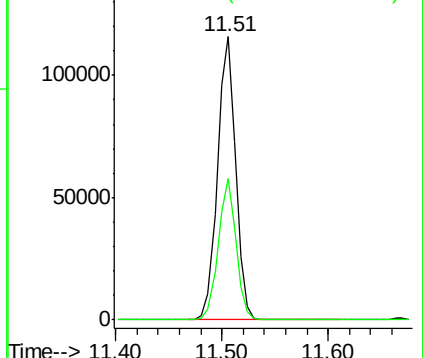
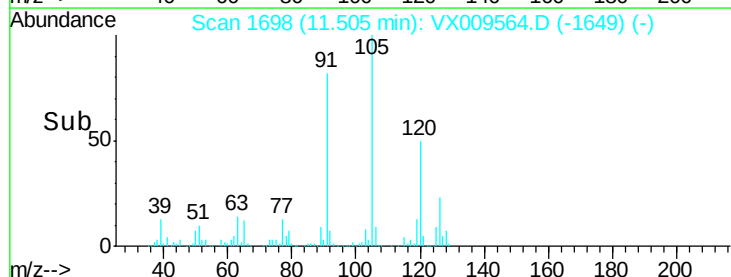
105 100

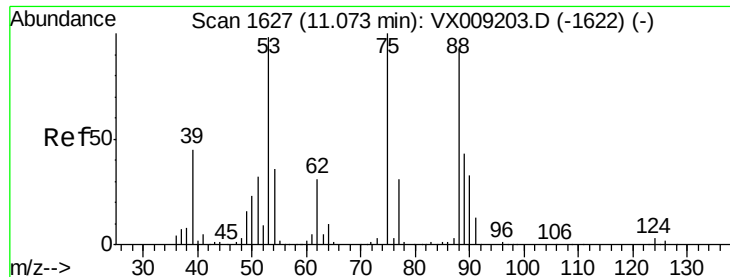
120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009564.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009564.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.499 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

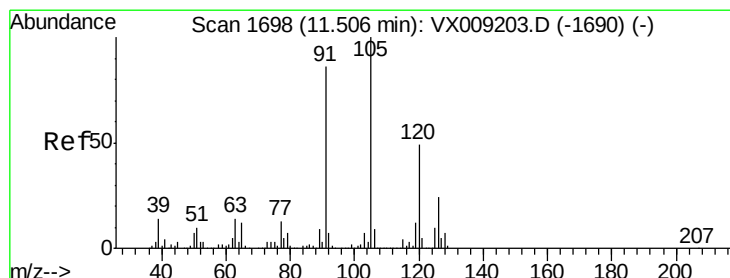
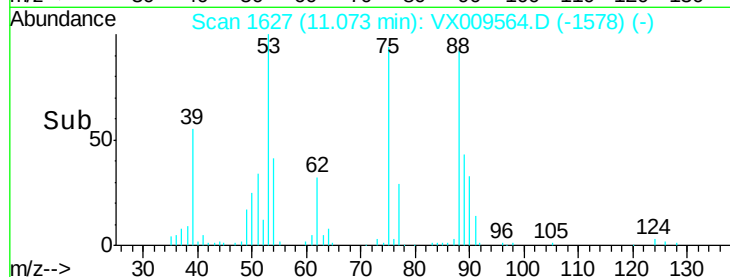
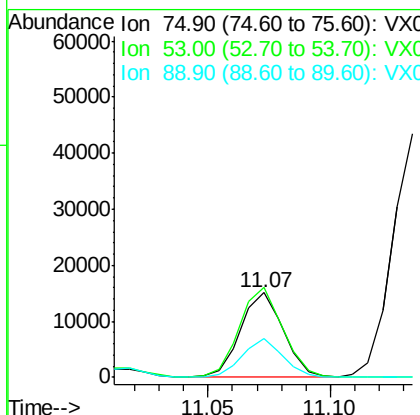
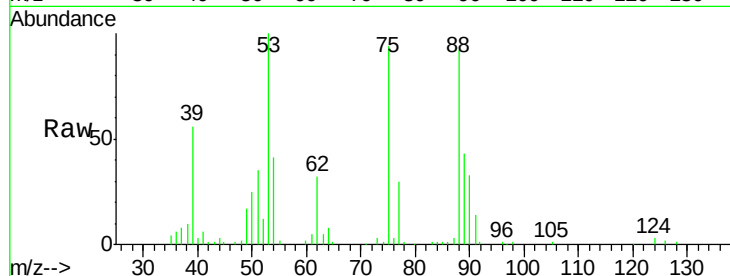
ClientSampleId :

VX0514WBSD01

Tot Ion:	75	Resp:	18290
Ion	Ratio	Lower	Upper
75	100		
53	109.6	79.0	118.6
89	44.0	34.7	52.1

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#82

4-Chlorotoluene

Concen: 20.083 ug/l

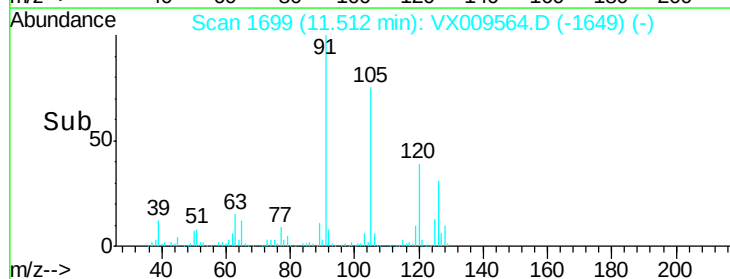
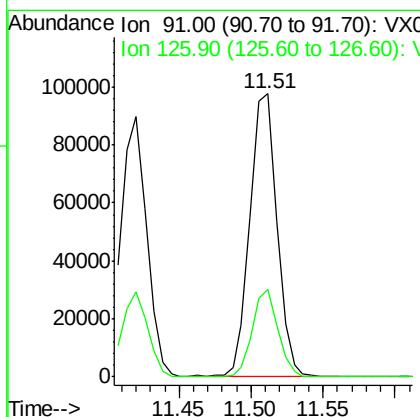
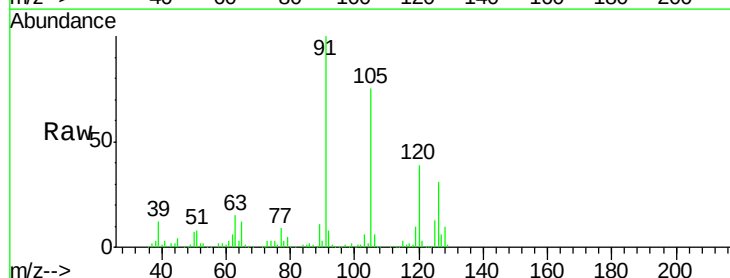
RT: 11.51 min Scan# 1699

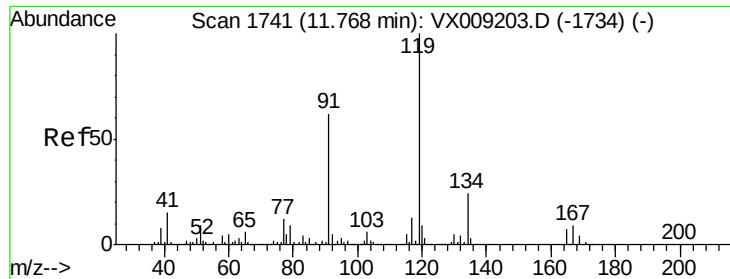
Delta R.T. 0.01 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion:	91	Resp:	126781
Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.5	43.6





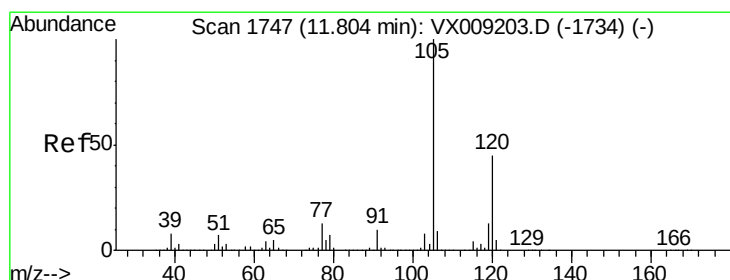
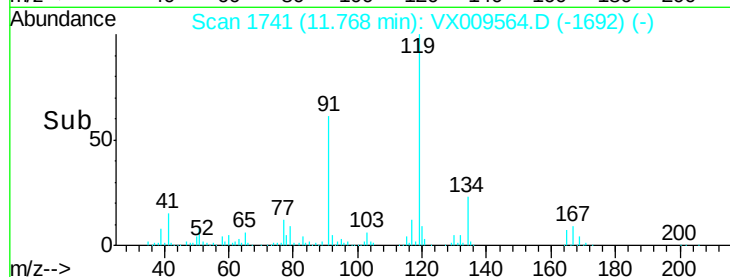
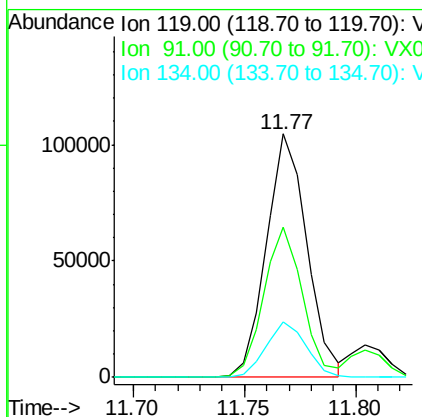
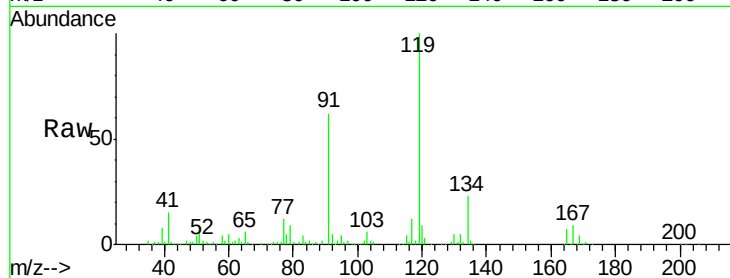
#83
tert-Butylbenzene
Concen: 20.378 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	132378		
91	59.3		29.5	88.5
134	22.5		11.4	34.1

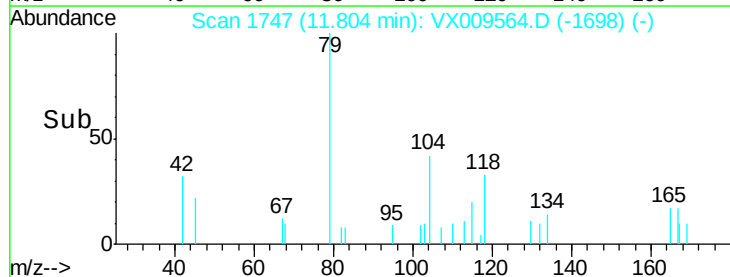
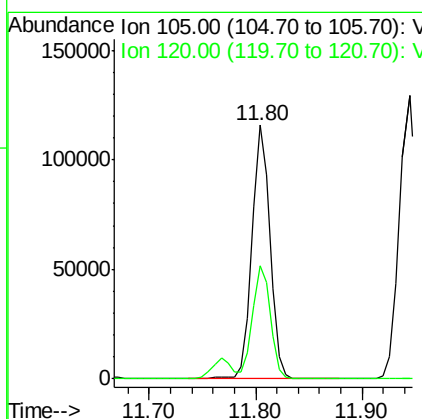
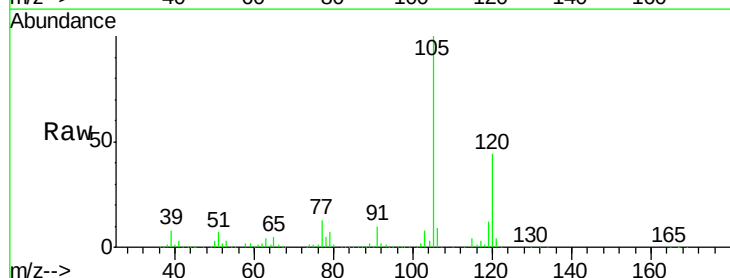
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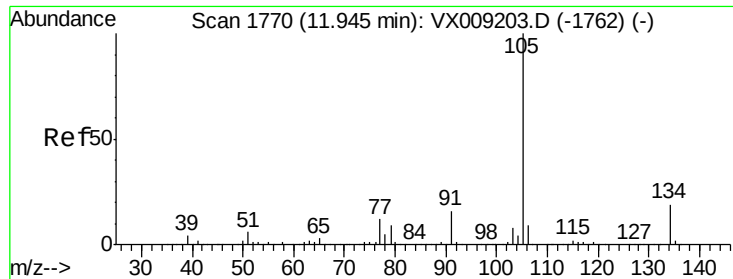
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#84
1,2,4-Trimethylbenzene
Concen: 20.638 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	138330		
120	44.1		22.0	66.0





#85

sec-Butylbenzene

Concen: 20.215 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

Tot Ion:105 Resp: 155684

Ion Ratio Lower Upper

105 100

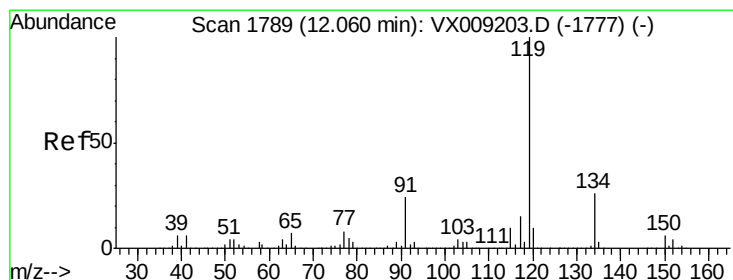
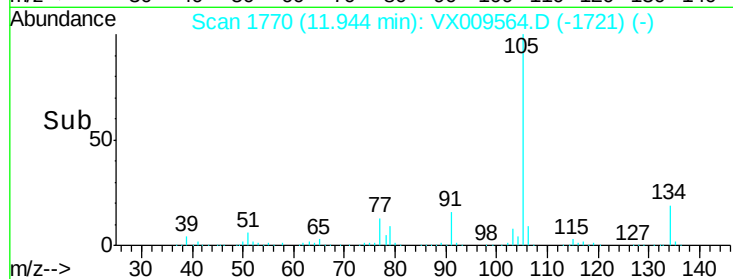
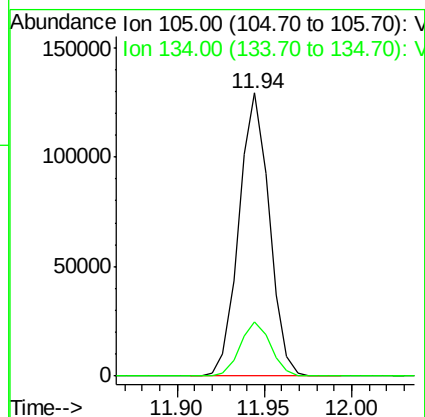
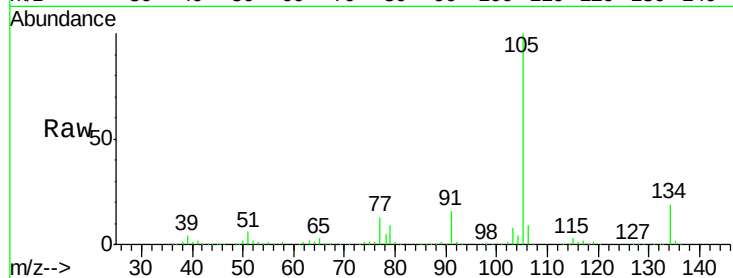
134 19.2 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.678 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

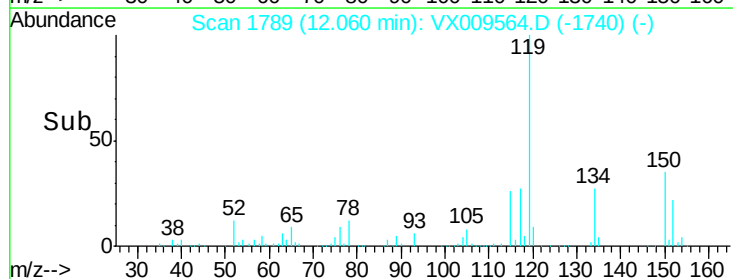
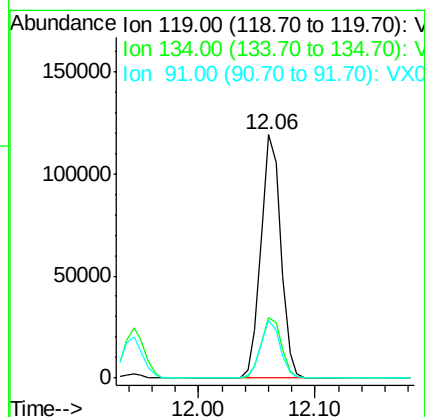
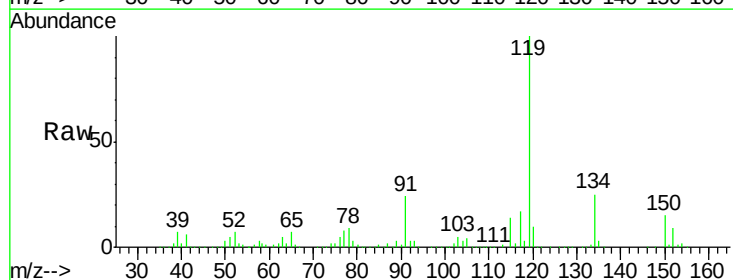
Tgt Ion:119 Resp: 143168

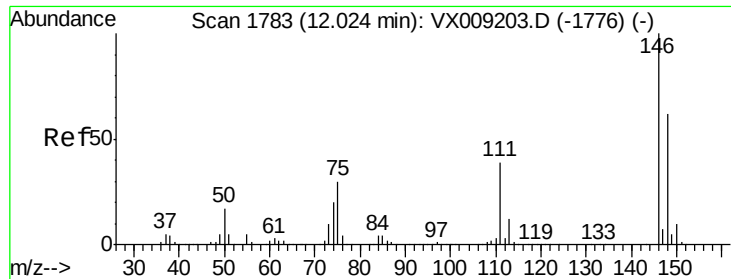
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 23.9 11.8 35.4





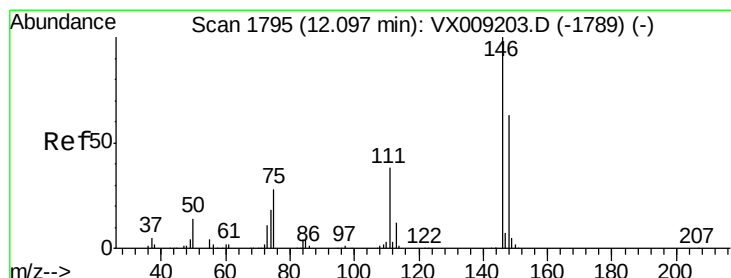
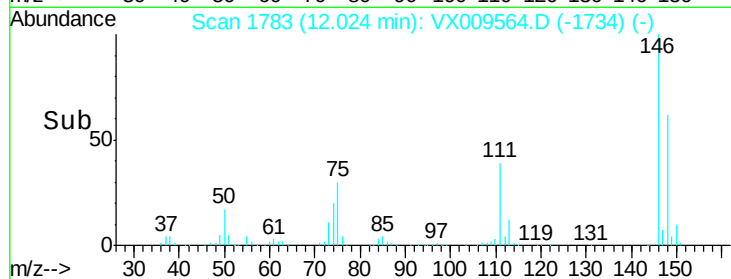
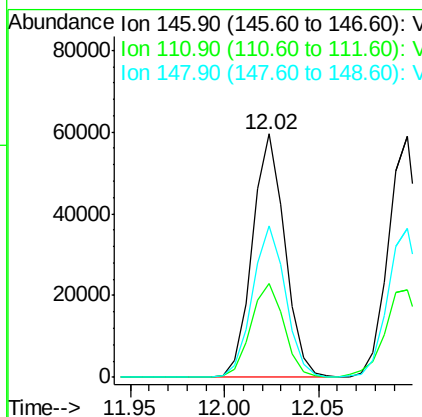
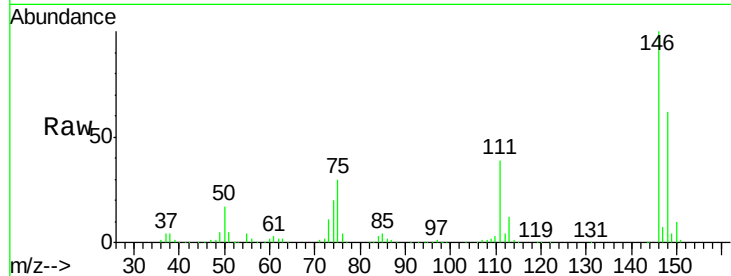
#87
 1,3-Dichlorobenzene
 Concen: 20.219 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	63.5	31.8	95.3

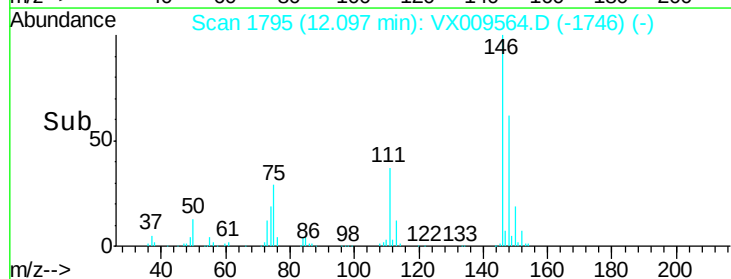
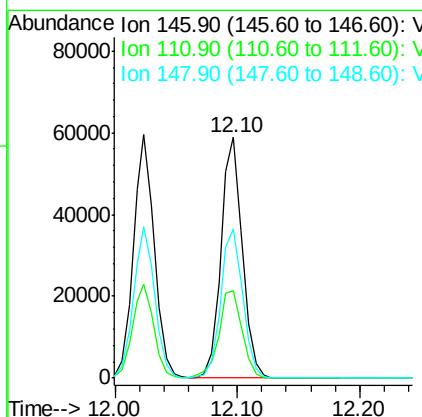
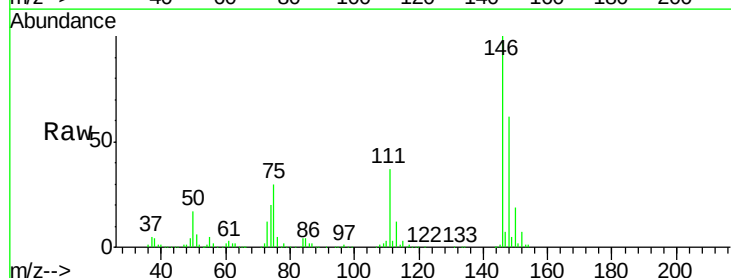
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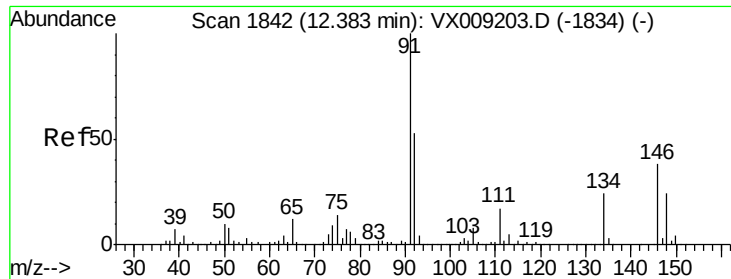
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#88
 1,4-Dichlorobenzene
 Concen: 20.090 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.8
148	64.2	31.8	95.3





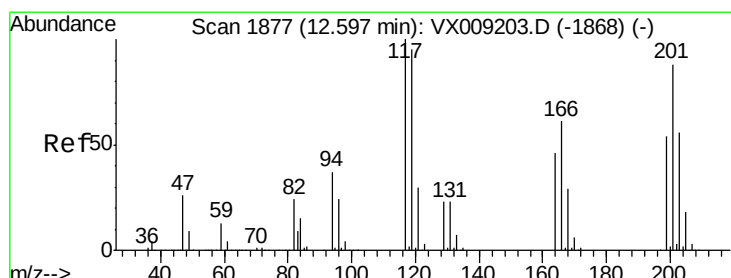
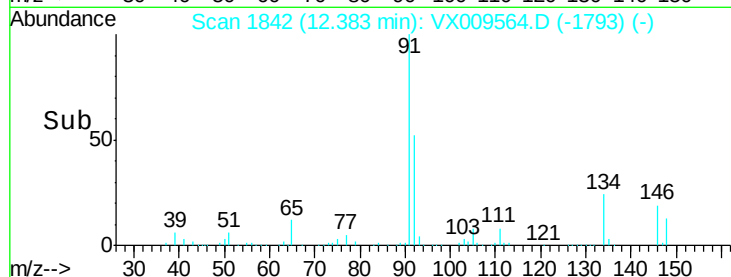
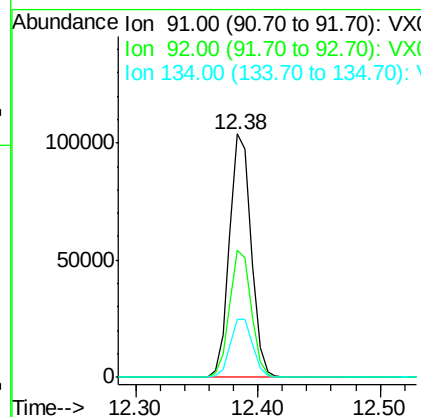
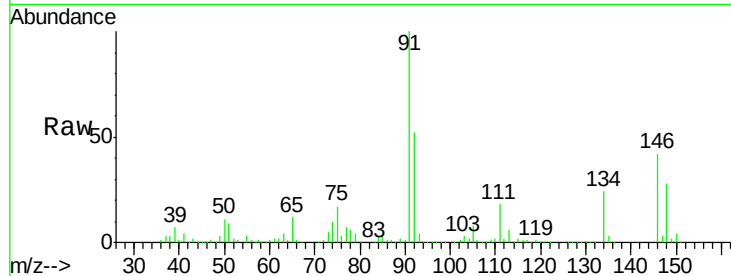
#89
n-Butylbenzene
Concen: 20.329 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.5	79.5
134	24.8	12.4	37.2

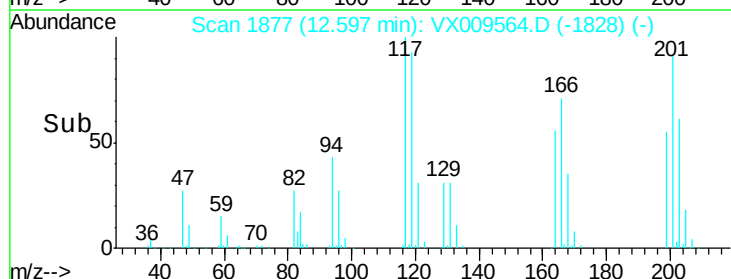
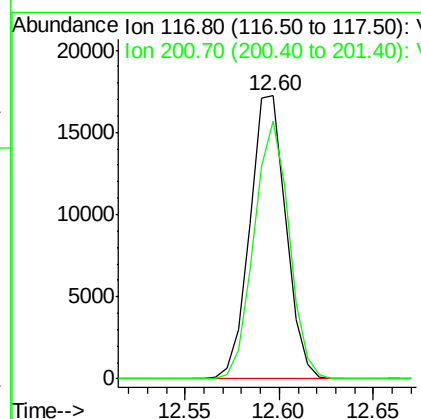
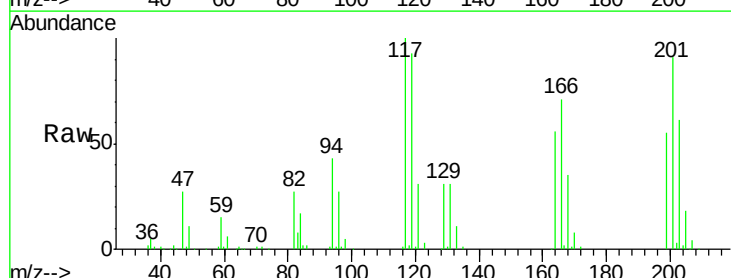
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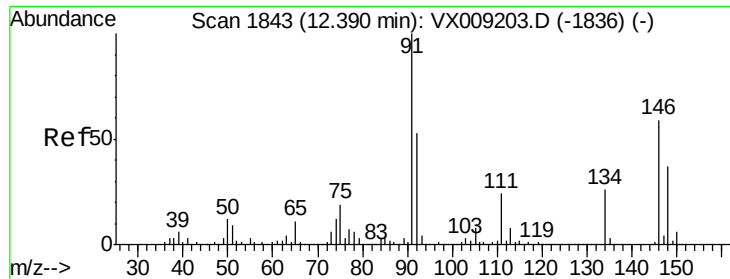
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#90
Hexachloroethane
Concen: 19.411 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 20.105 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

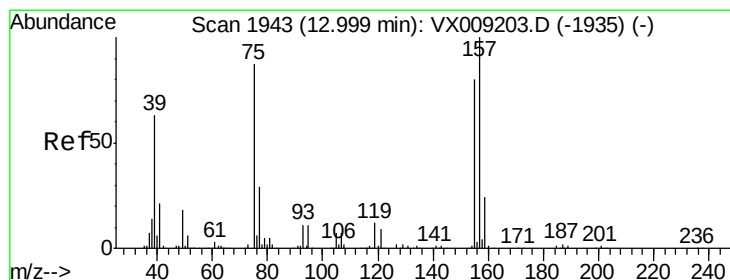
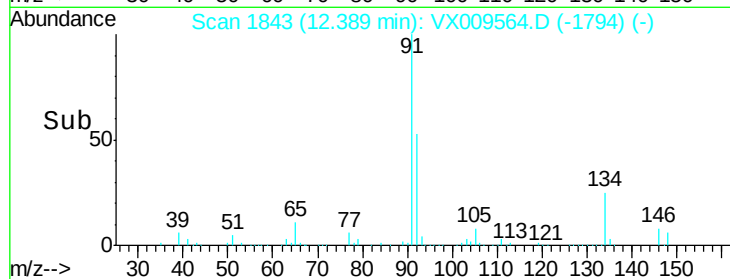
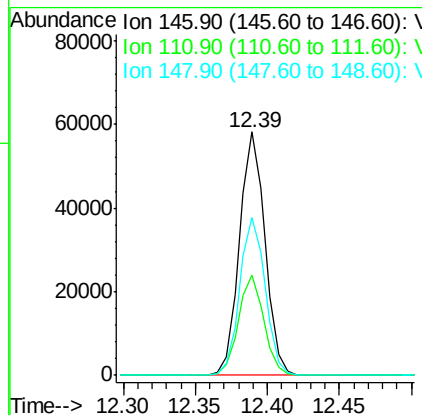
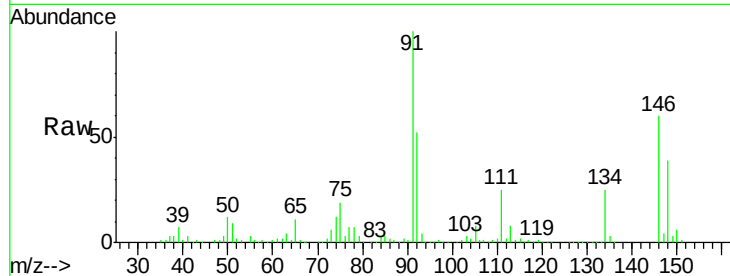
ClientSampleId :

VX0514WBSD01

Tot Ion:	146	Resp:	71858
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.8	62.4
148	64.8	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.333 ug/l

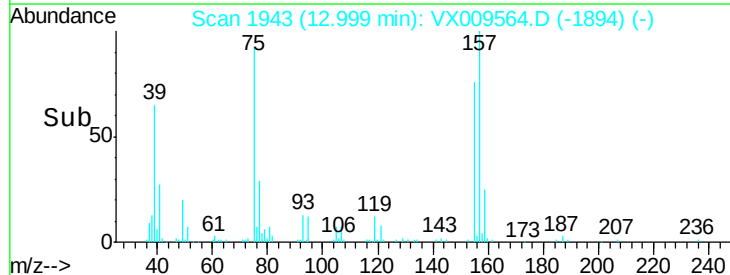
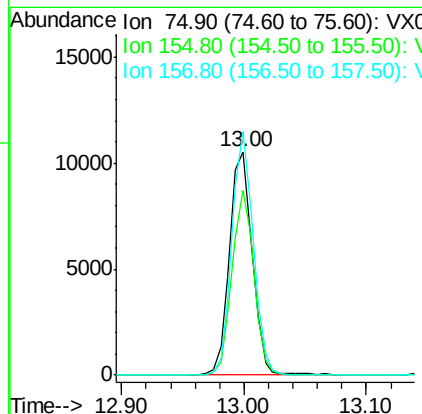
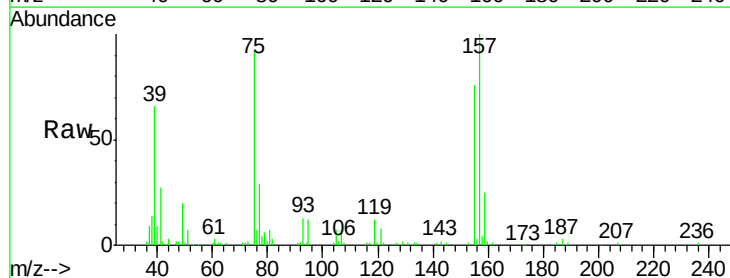
RT: 13.00 min Scan# 1943

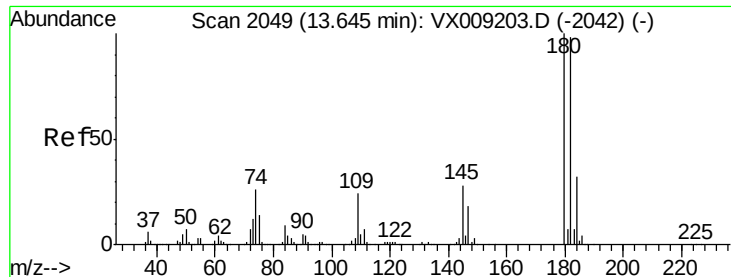
Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion:	75	Resp:	13485
Ion Ratio	Lower	Upper	
75	100		
155	78.8	42.0	126.0
157	102.0	53.2	159.6





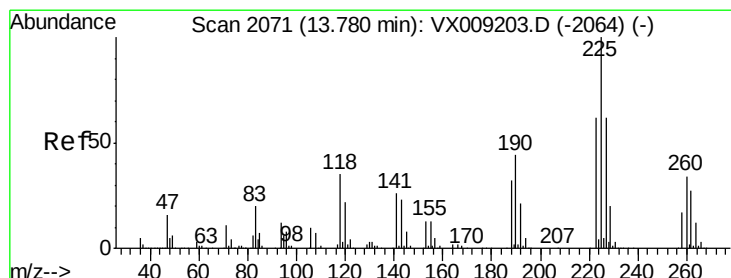
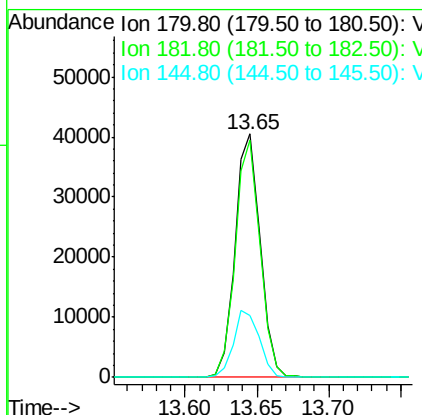
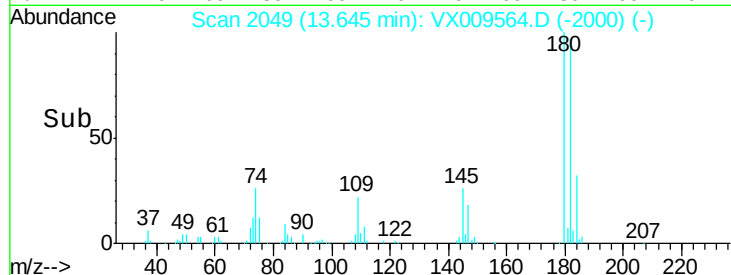
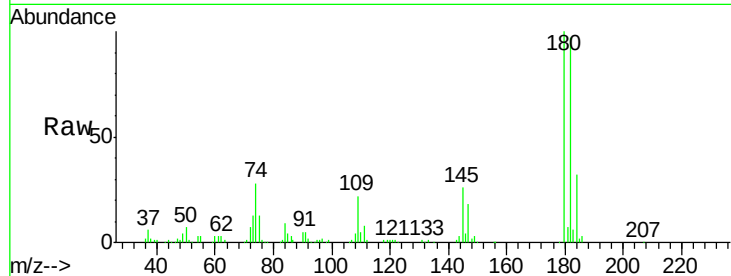
#93
 1,2,4-Trichlorobenzene
 Concen: 20.239 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.4	145.2
145	28.5	14.6	43.8

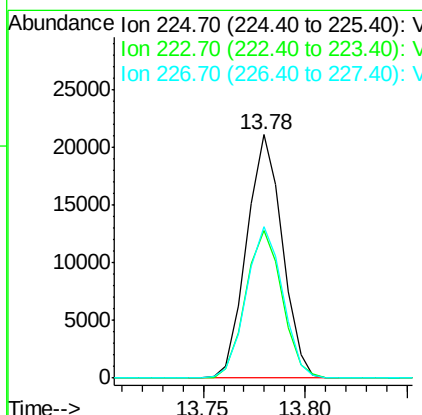
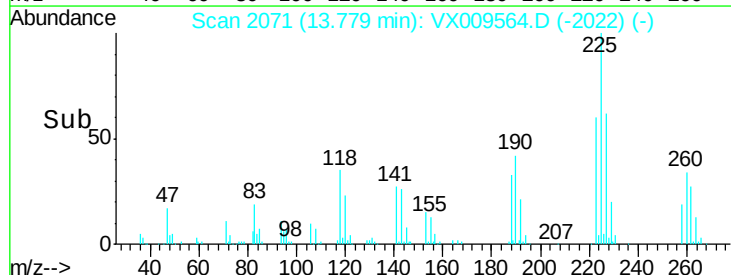
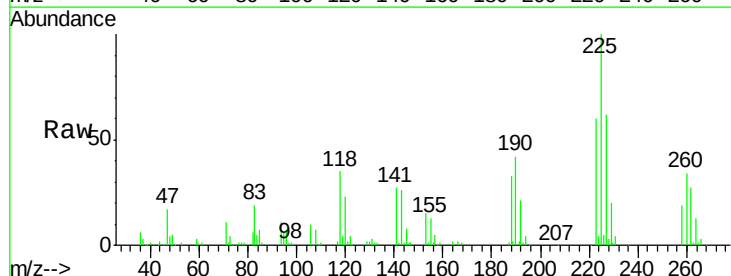
Manual Integrations
 APPROVED

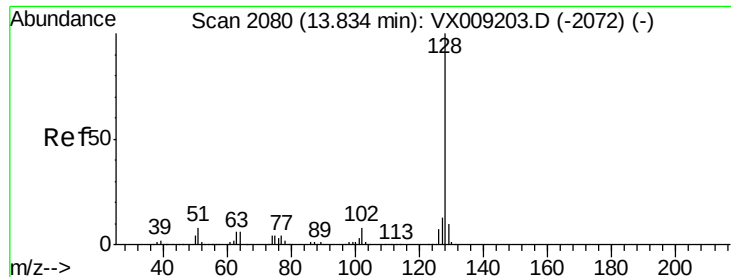
MMDadoda
 5/15/2019 12:25:51 PM



#94
 Hexachlorobutadiene
 Concen: 20.599 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.8
227	63.2	31.8	95.3





#95

Naphthalene

Concen: 20.578 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

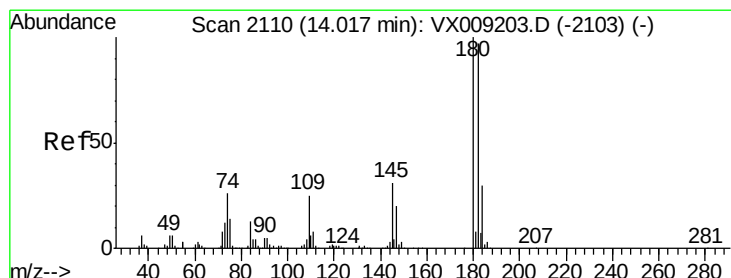
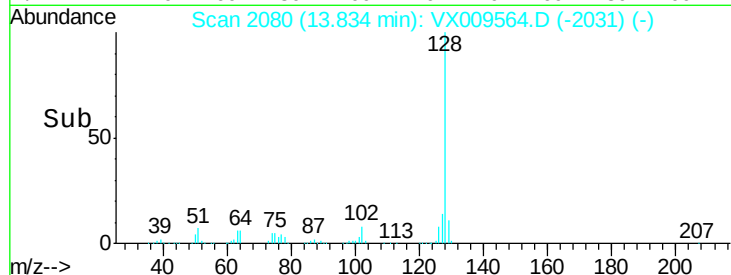
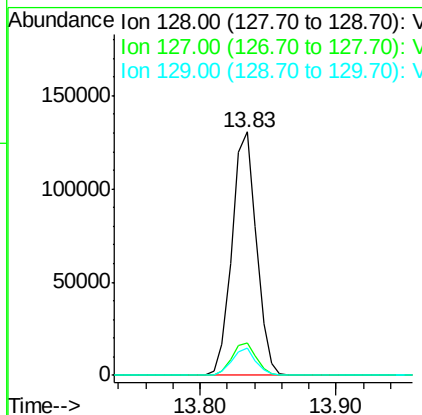
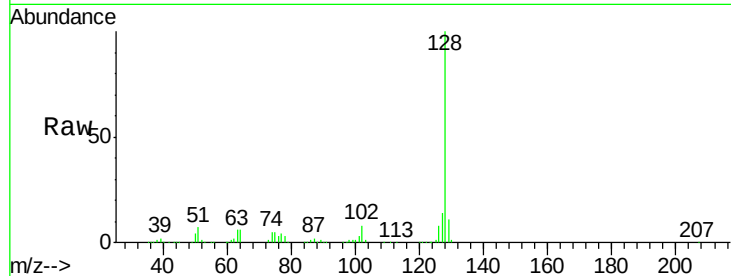
ClientSampleId :

VX0514WBSD01

Tot Ion:	128	Resp:	163634
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/15/2019 12:25:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.718 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion:	180	Resp:	51330
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.8	143.4
145	31.2	15.4	46.4

