

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010093.D
 Acq On : 05 Jun 2019 22:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 10:11:56 AM

Quant Time: Jun 06 07:33:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	160682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	255860	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110909	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	105815	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
35) Dibromofluoromethane	5.50	113	78437	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	8.71	98	313676	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.13	95	112291	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	107213	54.603	ug/l	99
3) Chloromethane	1.32	50	120732	45.738	ug/l	100
4) Vinyl Chloride	1.41	62	114228	48.003	ug/l	99
5) Bromomethane	1.64	94	70616	48.980	ug/l	99
6) Chloroethane	1.71	64	68742	46.928	ug/l	100
7) Trichlorofluoromethane	1.92	101	132823	50.512	ug/l	98
8) Diethyl Ether	2.19	74	57446	46.489	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	79997	50.390	ug/l	98
10) Methyl Iodide	2.51	142	98565	50.125	ug/l	100
11) Tert butyl alcohol	3.06	59	137878	246.832	ug/l	99
12) 1,1-Dichloroethene	2.37	96	82571	50.742	ug/l	98
13) Acrolein	2.29	56	94769	240.248	ug/l	99
14) Allyl chloride	2.73	41	194576	49.196	ug/l	99
15) Acrylonitrile	3.15	53	326708	242.742	ug/l	99
16) Acetone	2.45	43	291200	222.049	ug/l	98
17) Carbon Disulfide	2.57	76	247191	50.166	ug/l	99
18) Methyl Acetate	2.78	43	147142	48.220	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	313822	51.081	ug/l	98
20) Methylene Chloride	2.85	84	97774	48.686	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	88876	49.086	ug/l	98
22) Diisopropyl ether	3.86	45	377605	50.178	ug/l	# 85
23) Vinyl Acetate	3.82	43	1680221	248.540	ug/l	99
24) 1,1-Dichloroethane	3.70	63	182862	50.142	ug/l	99
25) 2-Butanone	4.67	43	485874	237.803	ug/l	100
26) 2,2-Dichloropropane	4.59	77	119047	43.153	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	103210	49.382	ug/l	96
28) Bromochloromethane	5.01	49	83204	43.965	ug/l	96
29) Tetrahydrofuran	5.13	42	321977	245.745	ug/l	99
30) Chloroform	5.21	83	168423	51.208	ug/l	97
31) Cyclohexane	5.58	56	179829	52.062	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	141806	52.941	ug/l	99
36) 1,1-Dichloropropene	5.80	75	130610	50.312	ug/l	99
37) Ethyl Acetate	4.84	43	184118	50.901	ug/l	99
38) Carbon Tetrachloride	5.79	117	120039	53.510	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	162084	52.636	ug/l	99
40) Benzene	6.14	78	400026	51.945	ug/l	99
41) Methacrylonitrile	5.04	41	103954	49.182	ug/l	99
42) 1,2-Dichloroethane	6.19	62	143630	50.450	ug/l	100
43) Isopropyl Acetate	6.45	43	294088	50.388	ug/l	99
44) Trichloroethene	7.21	130	96541	51.610	ug/l	96
45) 1,2-Dichloropropane	7.51	63	112034	50.538	ug/l	96
46) Dibromomethane	7.66	93	65312	50.052	ug/l	98
47) Bromodichloromethane	7.90	83	132730	53.490	ug/l	99
48) Methyl methacrylate	7.77	41	149563	51.765	ug/l	98
49) 1,4-Dioxane	7.74	88	51694	961.870	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	937544	246.935	ug/l	100
52) Toluene	8.78	92	247126	52.853	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	152221	51.151	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	168492	51.965	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	97721	51.926	ug/l	99
56) Ethyl methacrylate	9.18	69	178459	53.265	ug/l	99
57) 1,3-Dichloropropane	9.37	76	172498	51.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	430236	244.889	ug/l	99
59) 2-Hexanone	9.49	43	707587	242.067	ug/l	99
60) Dibromochloromethane	9.58	129	101107	54.616	ug/l	99
61) 1,2-Dibromoethane	9.67	107	102409	52.969	ug/l	99
64) Tetrachloroethene	9.34	164	90636	55.545	ug/l	97
65) Chlorobenzene	10.13	112	252895	51.710	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	93934	55.376	ug/l	99
67) Ethyl Benzene	10.25	91	465445	53.004	ug/l	99
68) m/p-Xylenes	10.36	106	338811	104.439	ug/l	99
69) o-Xylene	10.69	106	163133	52.433	ug/l	99
70) Styrene	10.71	104	289072	52.986	ug/l	99
71) Bromoform	10.85	173	75985	54.801	ug/l	100
73) Isopropylbenzene	11.02	105	441059	53.899	ug/l	100
74) N-amyl acetate	10.90	43	250299	51.187	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	153201	50.182	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	135131m	50.951	ug/l	
77) Bromobenzene	11.26	156	110204	52.845	ug/l	95
78) n-propylbenzene	11.36	91	505833	53.627	ug/l	100
79) 2-Chlorotoluene	11.42	91	300697	52.178	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	371411	53.875	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52706	49.168	ug/l	98
82) 4-Chlorotoluene	11.51	91	344760	51.390	ug/l	99
83) tert-Butylbenzene	11.77	119	354338	53.724	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	374066	53.429	ug/l	99
85) sec-Butylbenzene	11.94	105	426393	54.342	ug/l	100
86) p-Isopropyltoluene	12.06	119	390661	55.353	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	192659	51.891	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	193205	51.026	ug/l	99
89) n-Butylbenzene	12.38	91	352056	53.079	ug/l	99
90) Hexachloroethane	12.60	117	66758	55.118	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	188845	51.590	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35270	49.081	ug/l	94

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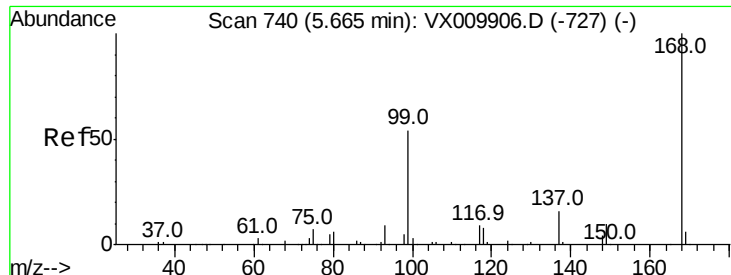
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	138030	52.766	ug/l	99
94) Hexachlorobutadiene	13.78	225	63999	48.777	ug/l	99
95) Naphthalene	13.83	128	433289	53.227	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	138001	52.703	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 160682

Ion Ratio Lower Upper

168 100

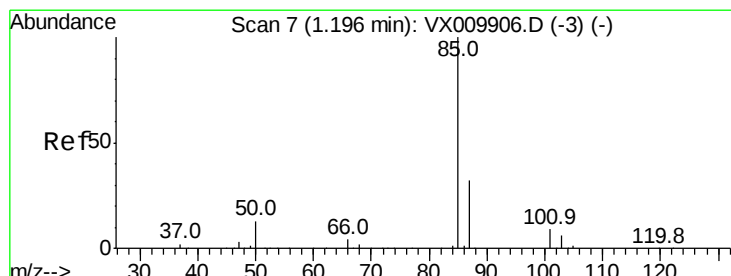
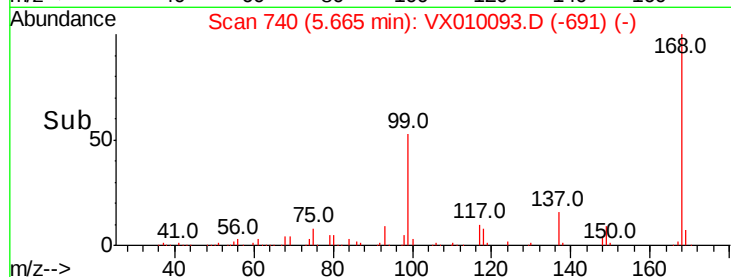
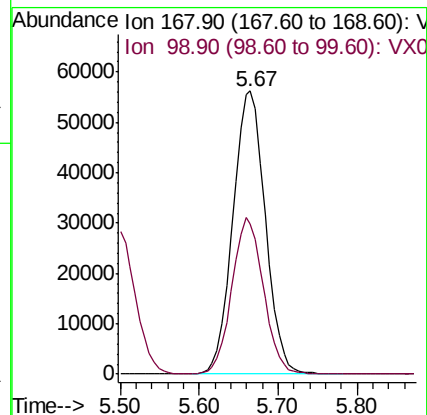
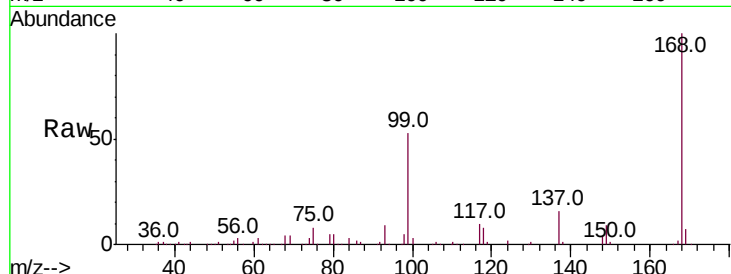
99 52.9 43.0 64.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 54.603 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010093.D

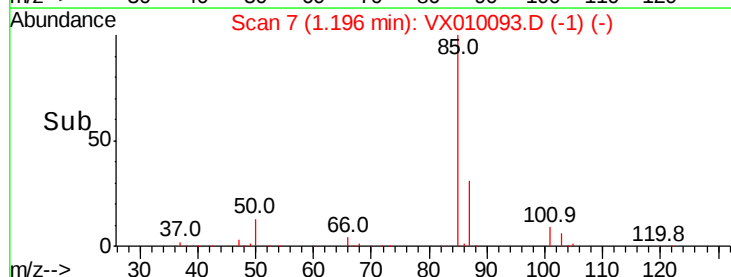
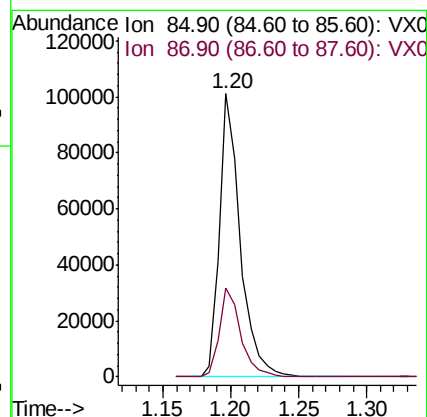
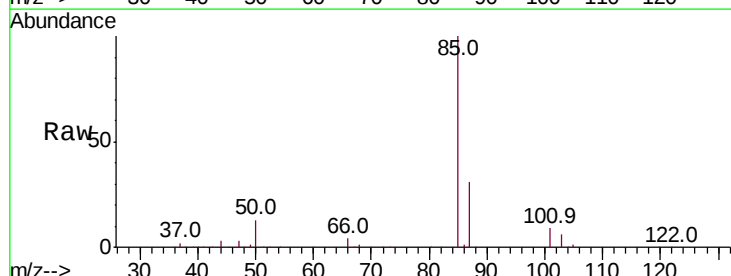
Acq: 05 Jun 2019 22:18

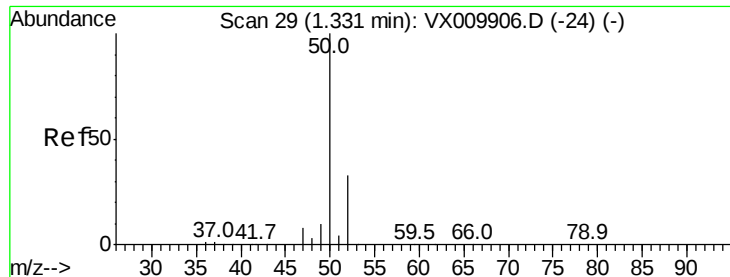
Tgt Ion: 85 Resp: 107213

Ion Ratio Lower Upper

85 100

87 31.4 16.1 48.2





#3

Chloromethane

Concen: 45.738 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 120732

Ion Ratio Lower Upper

50 100

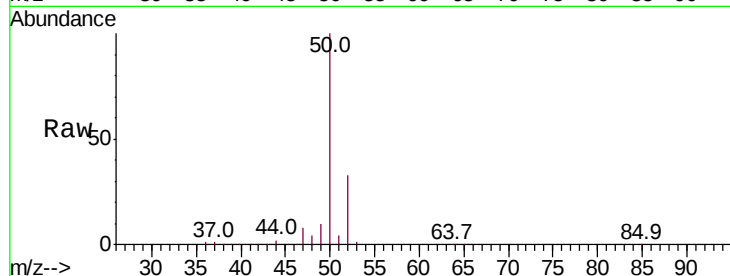
52 32.6 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

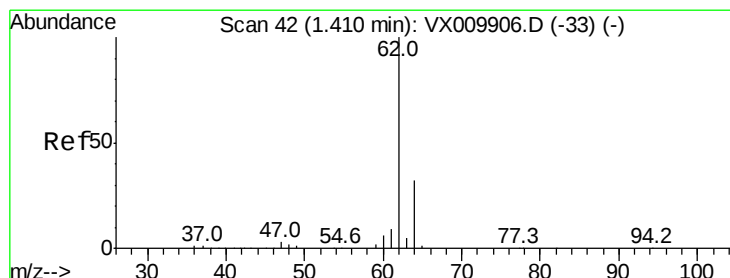
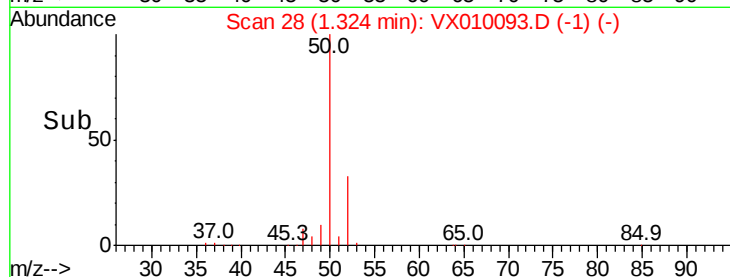
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 48.003 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010093.D

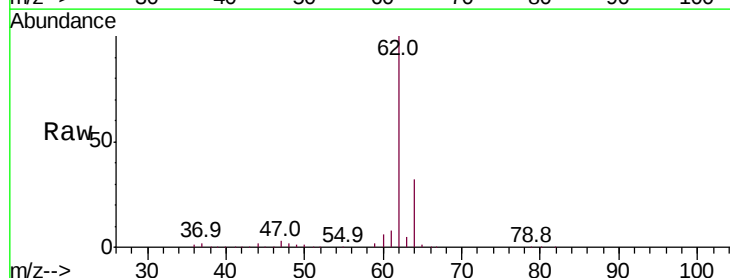
Acq: 05 Jun 2019 22:18

Tgt Ion: 62 Resp: 114228

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

120000

100000

80000

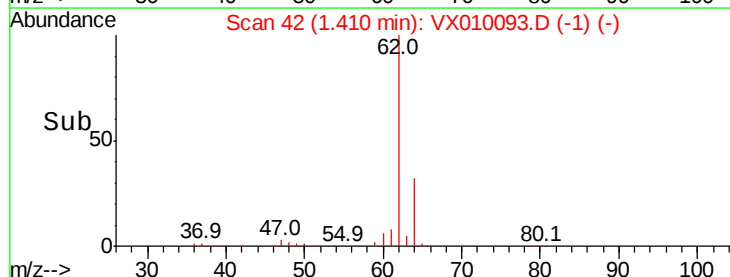
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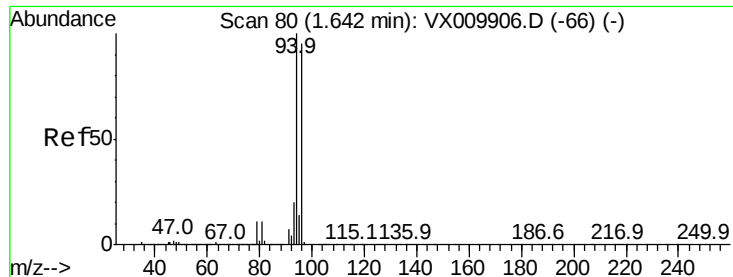
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20000

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Time-->





#5

Bromomethane

Concen: 48.980 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 70616

Ion Ratio Lower Upper

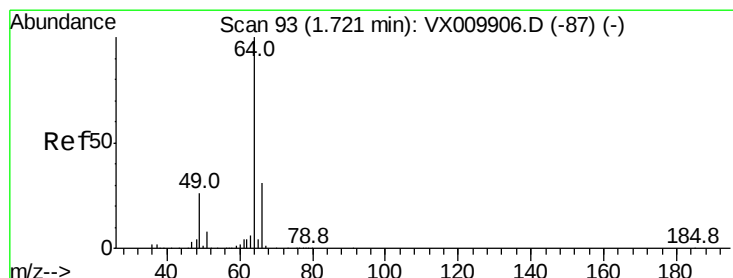
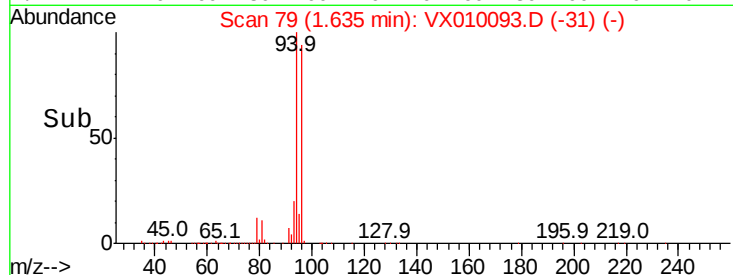
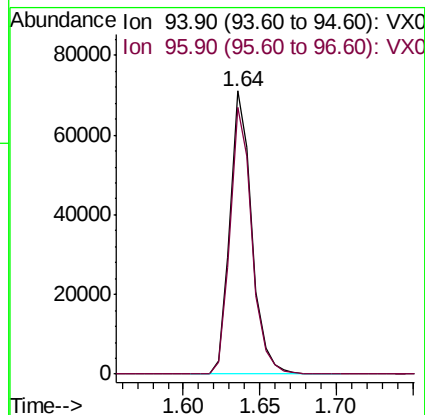
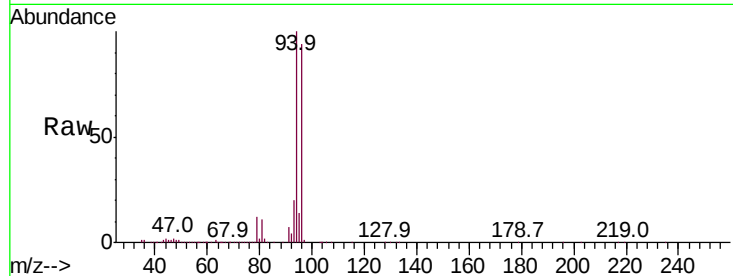
94 100

96 93.9 76.2 114.4

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#6

Chloroethane

Concen: 46.928 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010093.D

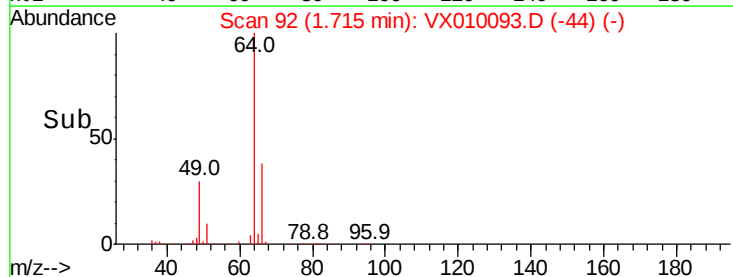
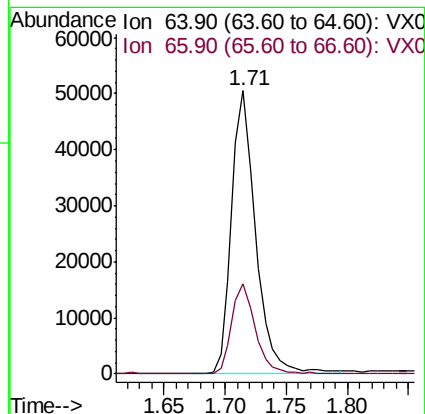
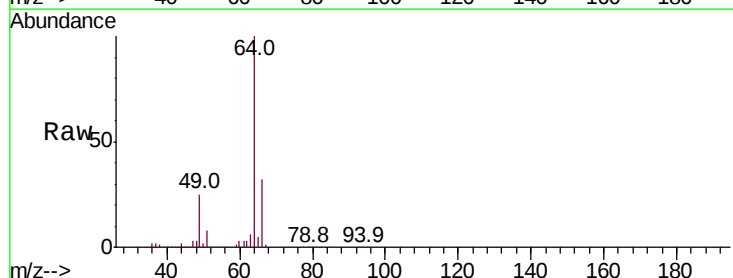
Acq: 05 Jun 2019 22:18

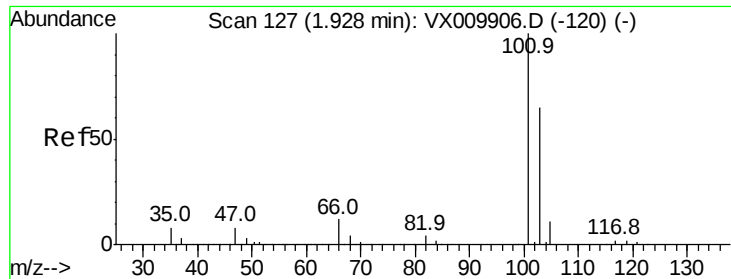
Tgt Ion: 64 Resp: 68742

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7





#7

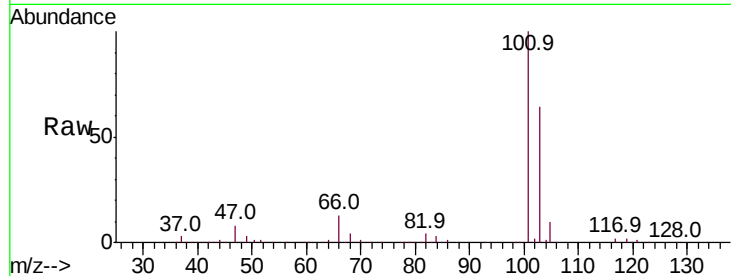
Trichlorofluoromethane
Concen: 50.512 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010093.D
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VSTDCCC050

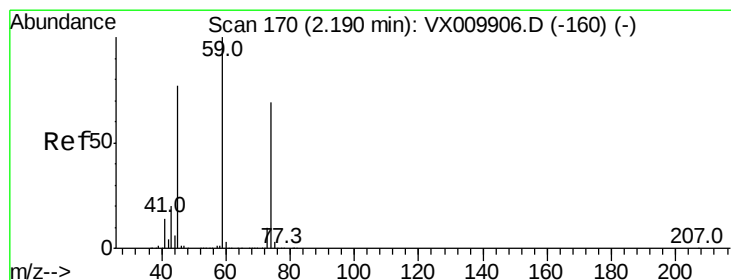
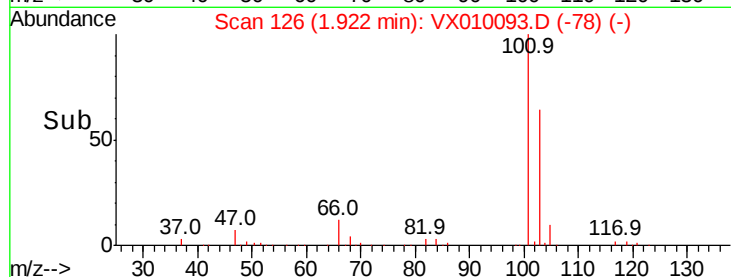
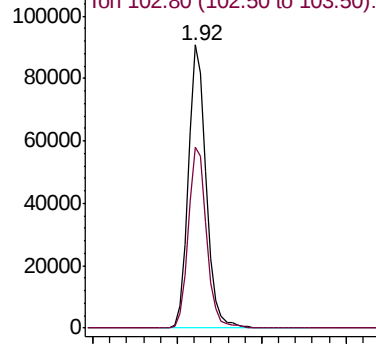
Tot Ion:101 Resp: 132823
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.4

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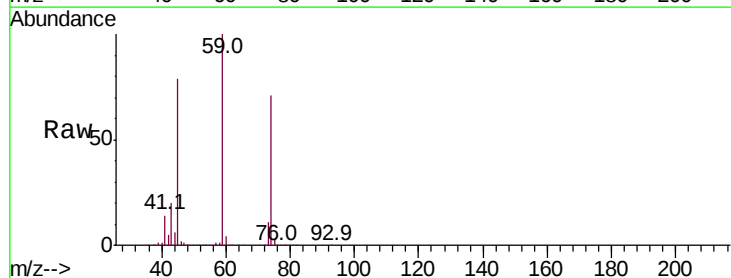
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



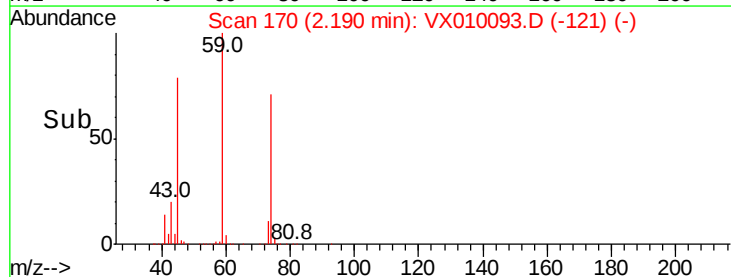
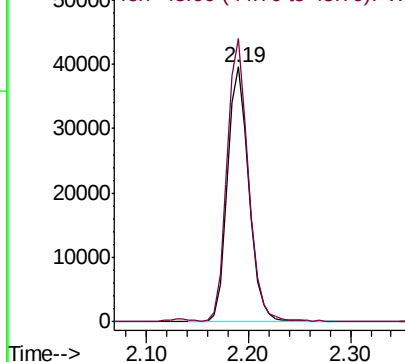
#8

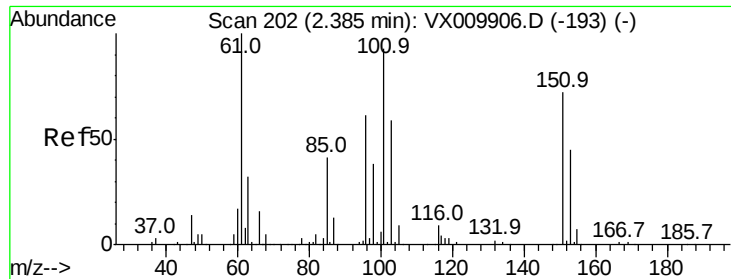
Diethyl Ether
Concen: 46.489 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion: 74 Resp: 57446
Ion Ratio Lower Upper
74 100
45 109.9 56.1 168.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.390 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010093.D

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Instrument :

MSVOA_X

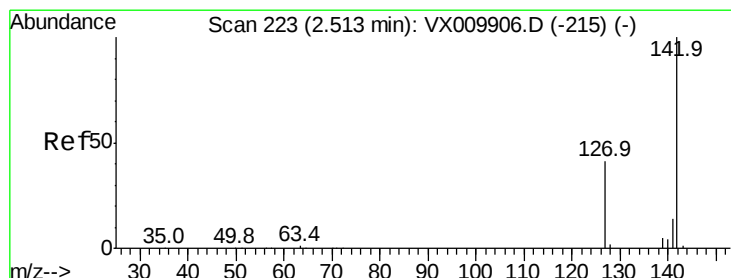
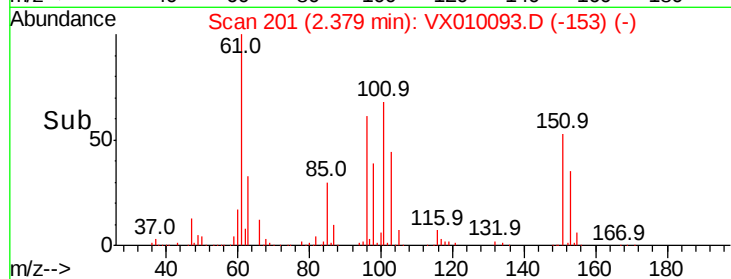
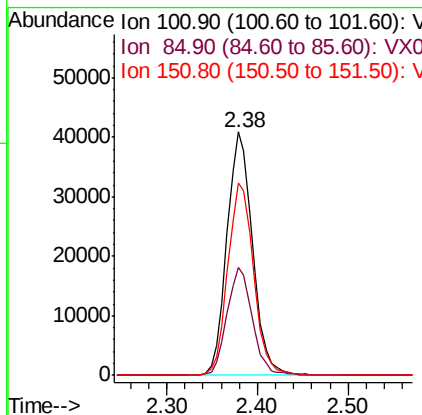
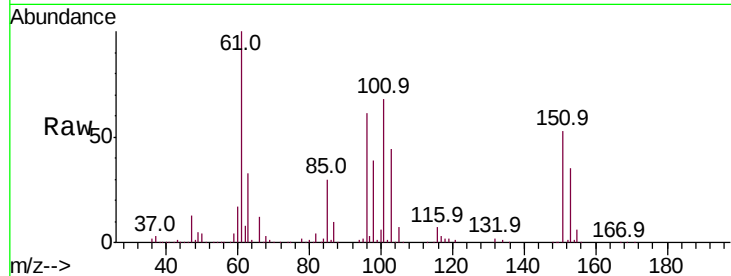
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	79997
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.2	52.8
151	79.7	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 50.125 ug/l

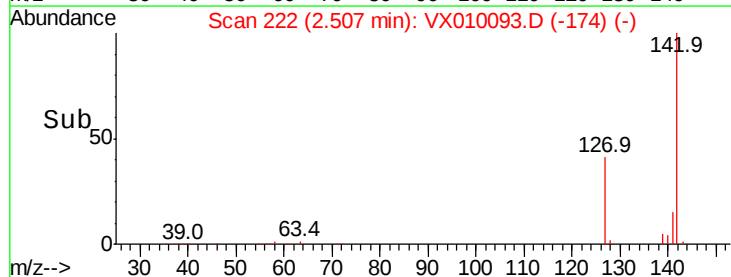
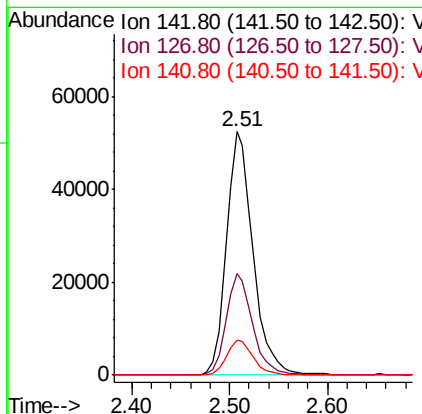
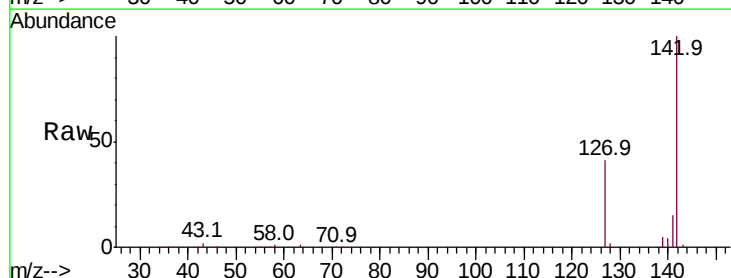
RT: 2.51 min Scan# 222

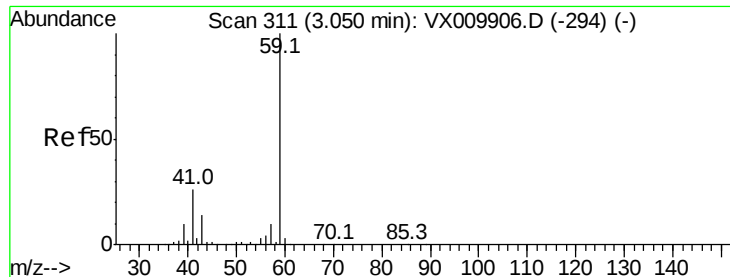
Delta R.T. -0.01 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Tgt Ion:	142	Resp:	98565
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.0	49.4
141	14.4	11.4	17.0





#11

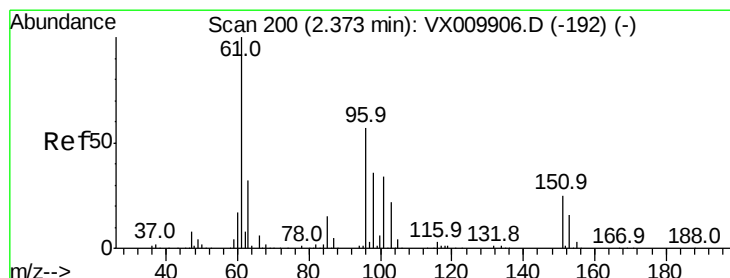
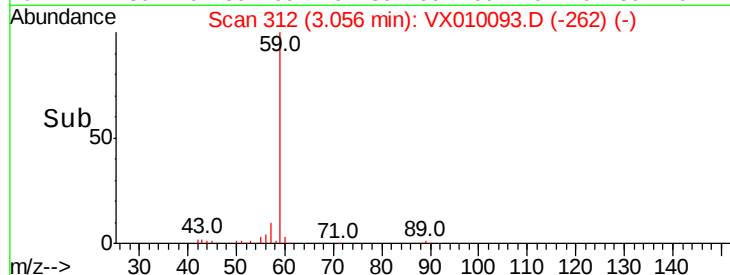
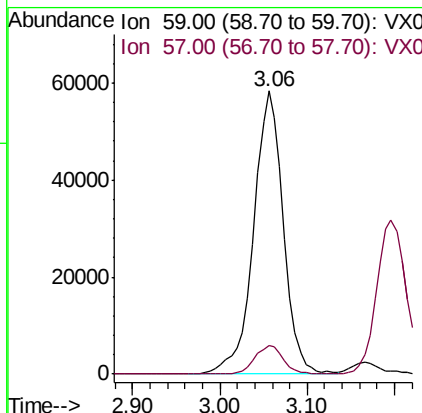
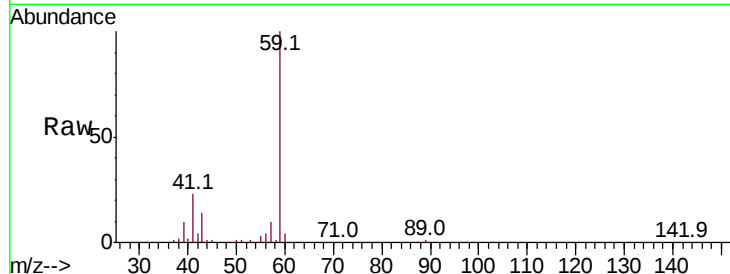
Tert butyl alcohol
Concen: 246.832 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	9.8	Resp	137878	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	9.8	Resp	137878	Lower	8.2	Upper	12.2

Manual Integrations
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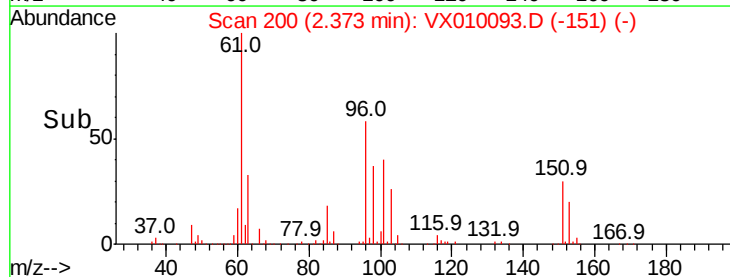
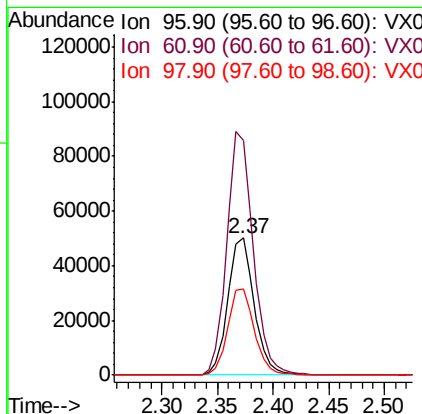
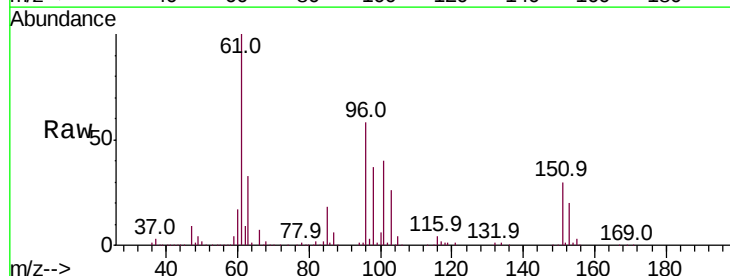
MMDadoda
6/6/2019 10:11:56 AM

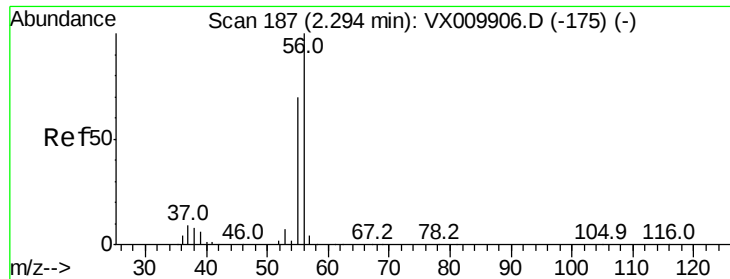


#12

1,1-Dichloroethene
Concen: 50.742 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	96	61	98	Ratio	100	171.6	63.0	Resp	82571	Lower	140.7	50.1	Upper	211.1	75.1
Ion	96	61	98	Ratio	100	171.6	63.0	Resp	82571	Lower	140.7	50.1	Upper	211.1	75.1





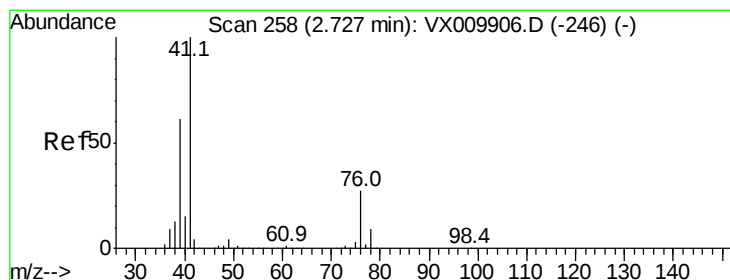
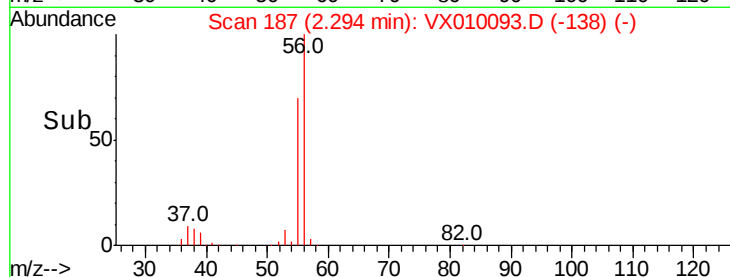
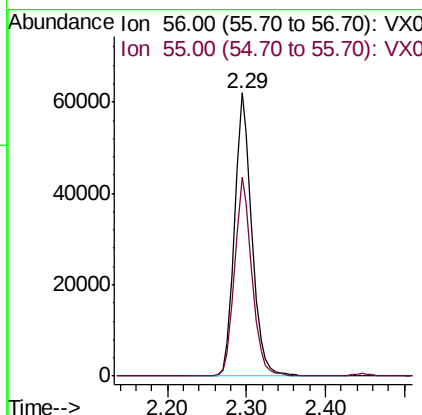
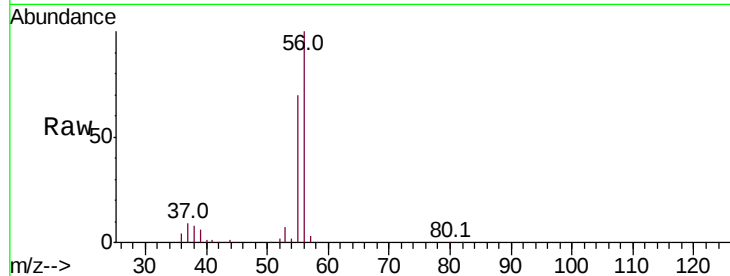
#13
Acrolein
Concen: 240.248 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Ratio	Lower	Upper
56	100			
55	70.5	57.0	85.4	

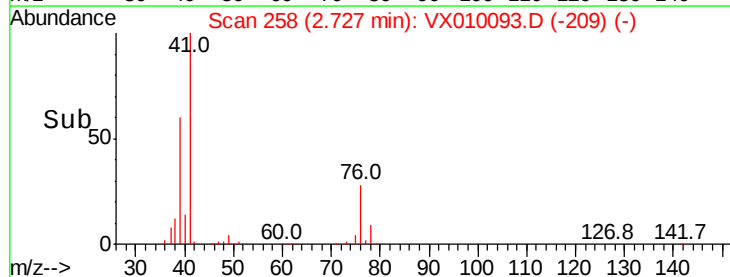
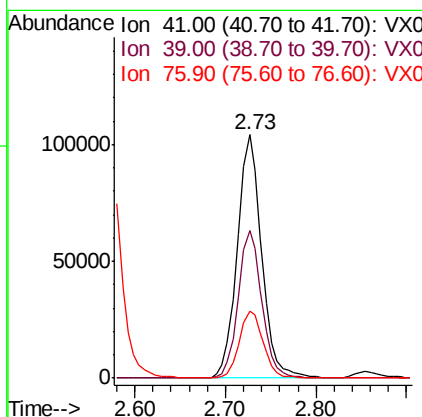
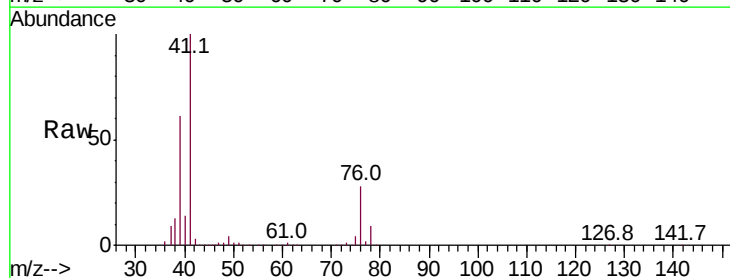
Manual Integrations
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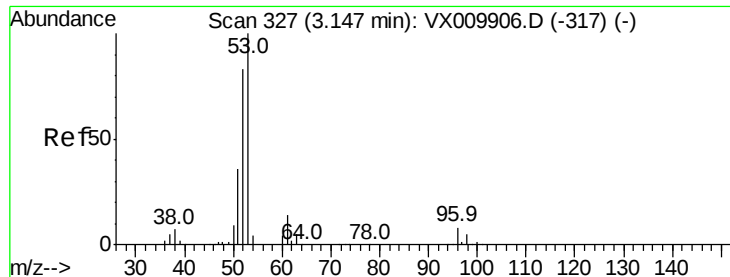
MMDadoda
6/6/2019 10:11:56 AM



#14
Allyl chloride
Concen: 49.196 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	41	Ratio	Lower	Upper
41	100			
39	58.6	46.7	70.1	
76	27.1	21.0	31.4	





#15

Acrylonitrile

Concen: 242.742 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

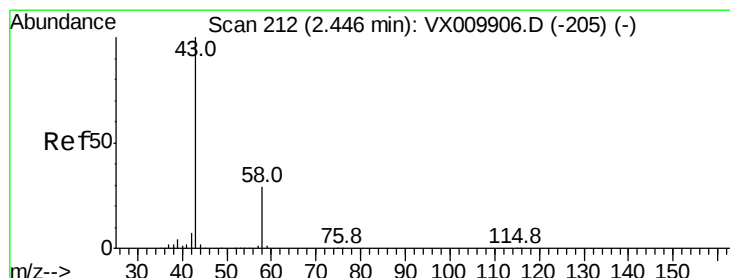
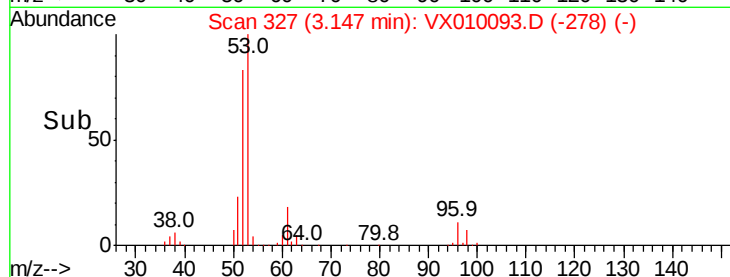
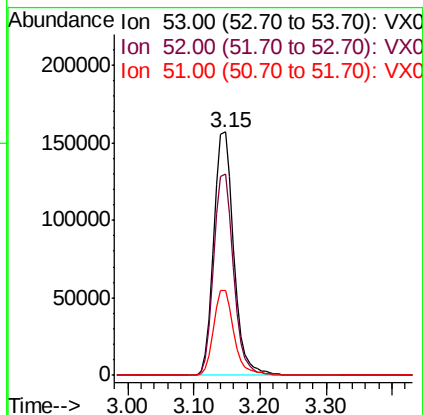
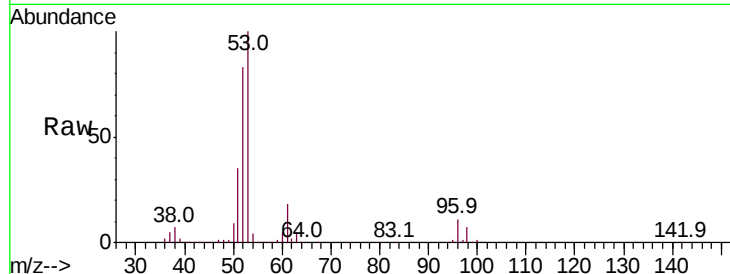
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	326708
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.7	100.1
51	35.4	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 222.049 ug/l

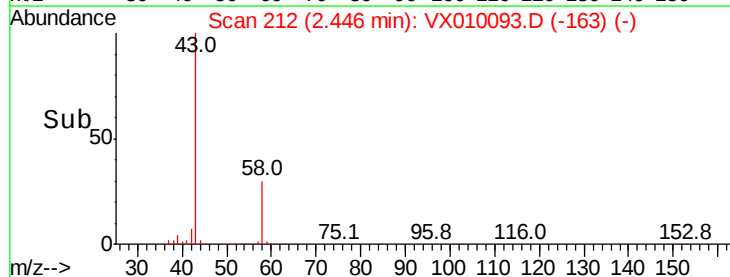
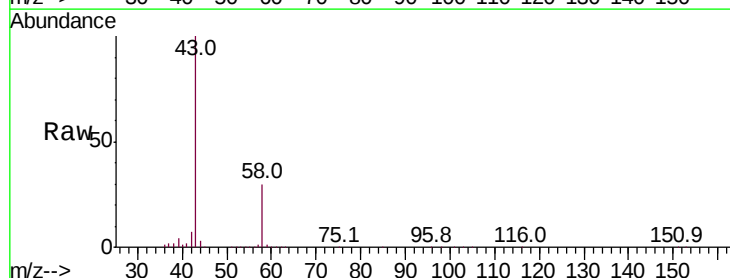
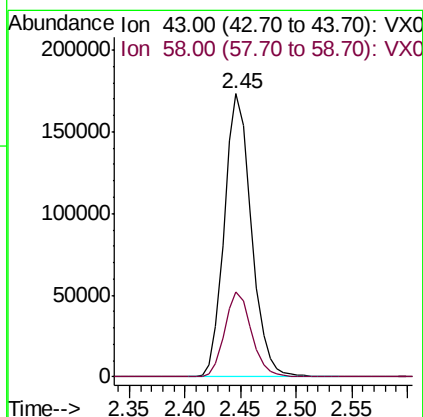
RT: 2.45 min Scan# 212

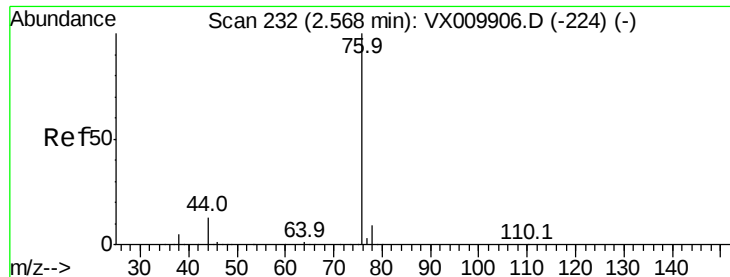
Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Tgt Ion:	43	Resp:	291200
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.2	34.8





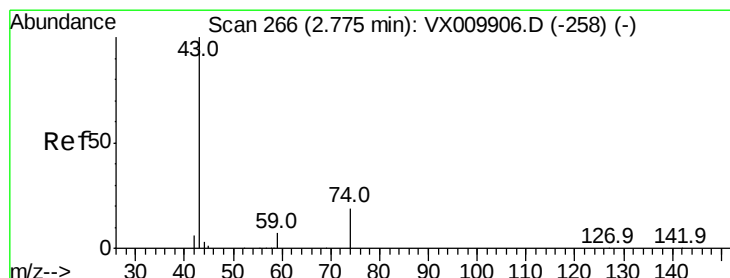
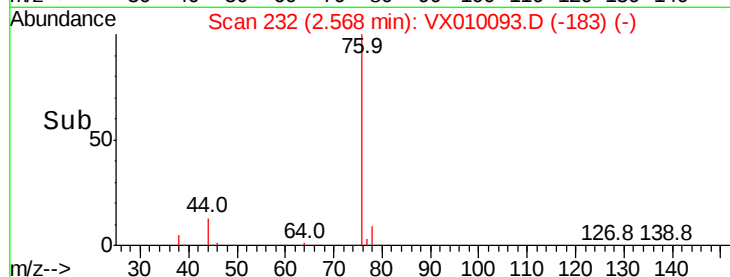
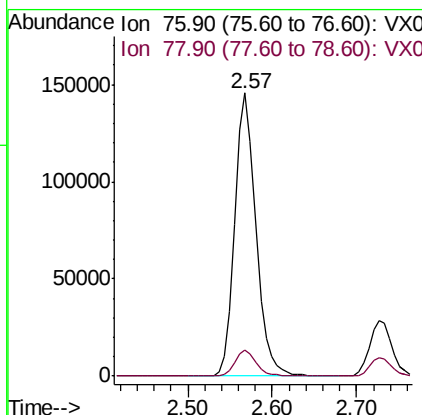
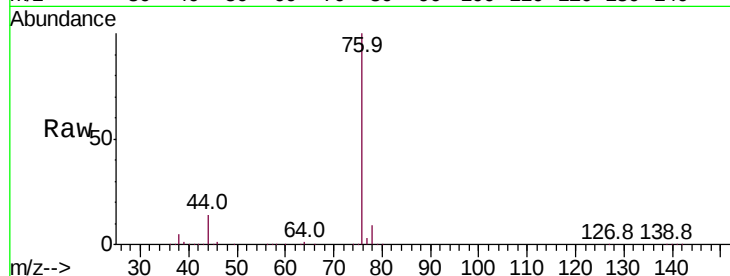
#17
Carbon Disulfide
Concen: 50.166 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

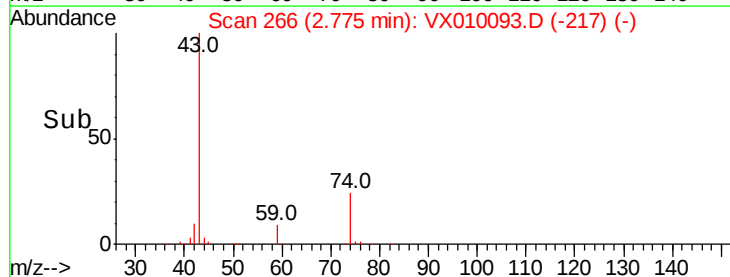
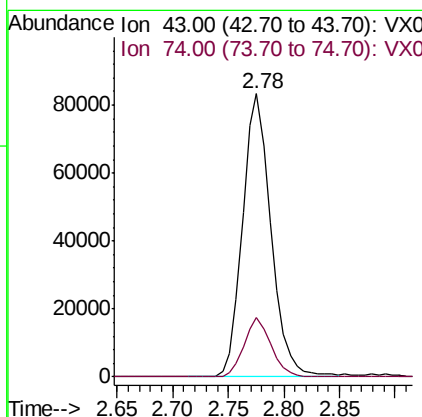
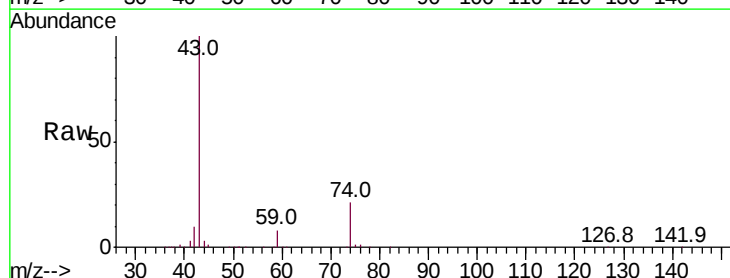
Manual Integrations
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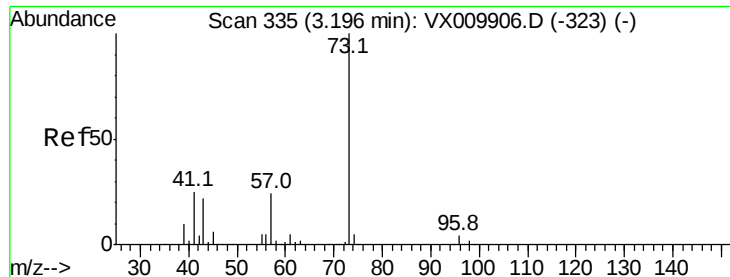
MMDadoda
6/6/2019 10:11:56 AM



#18
Methyl Acetate
Concen: 48.220 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	15.8	23.6





#19

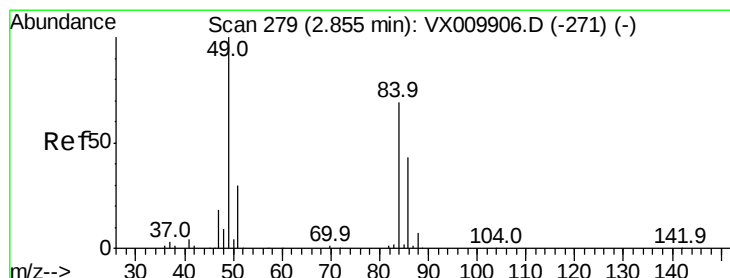
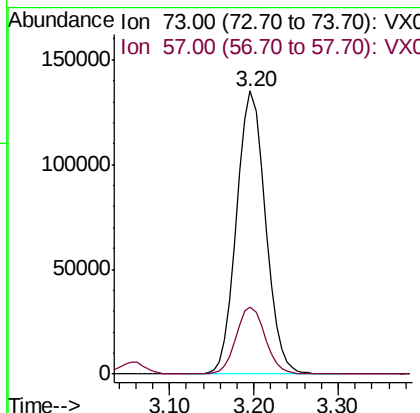
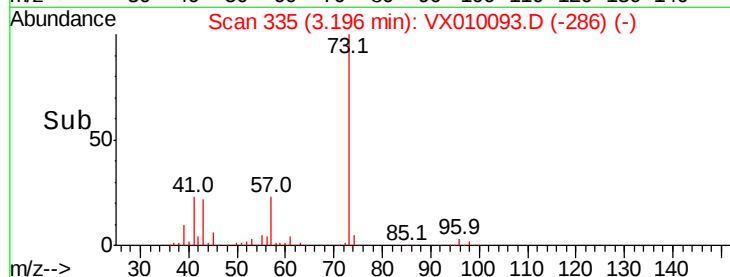
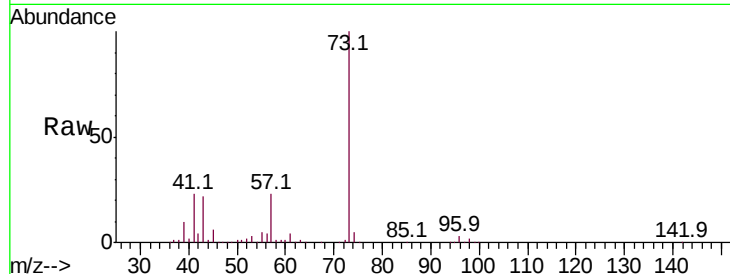
Methyl tert-butyl Ether
Concen: 51.081 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.4	29.2

Manual Integrations
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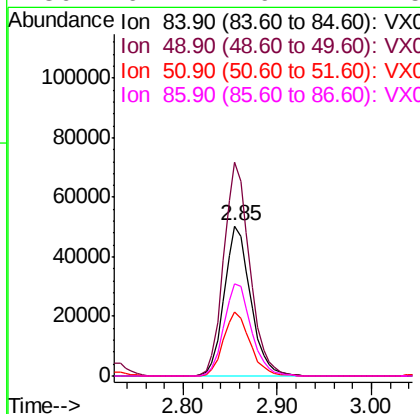
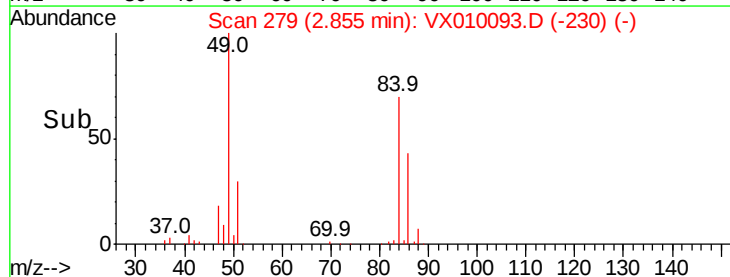
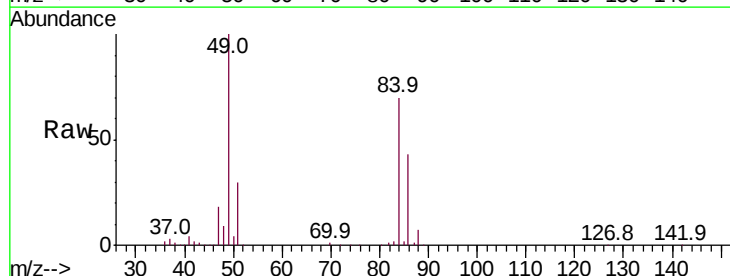
MMDadoda
6/6/2019 10:11:56 AM

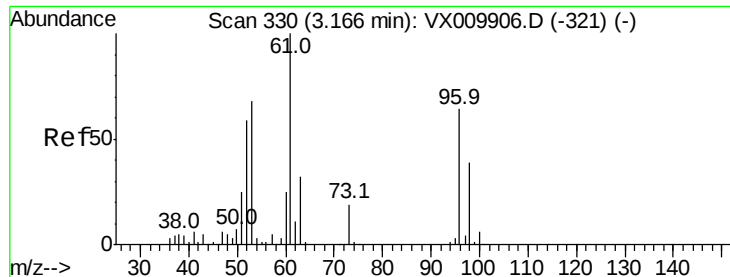


#20

Methylene Chloride
Concen: 48.686 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.3	115.8	173.6
51	42.6	34.4	51.6
86	61.4	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 49.086 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 88876

Ion Ratio Lower Upper

96 100

61 157.8 125.7 188.5

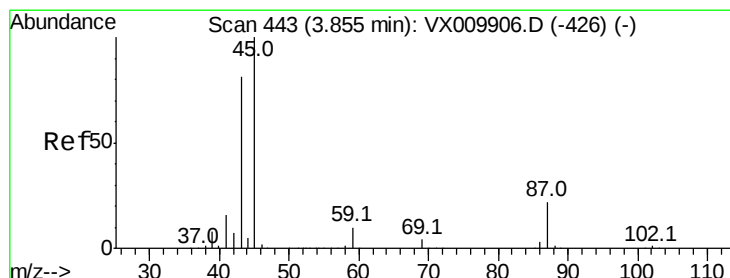
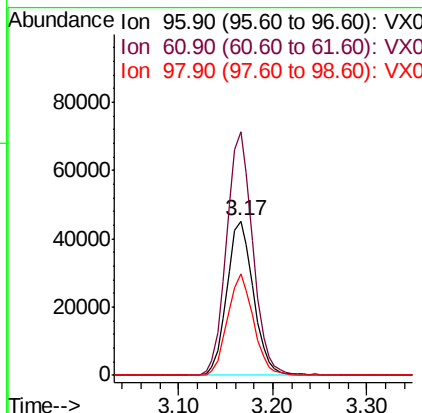
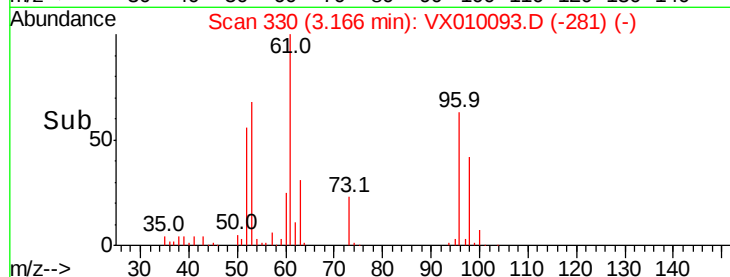
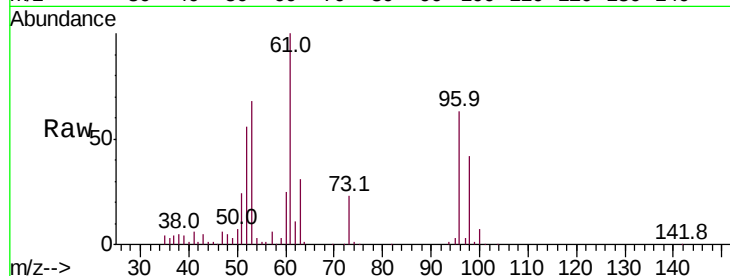
98 65.6 49.0 73.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.178 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Tgt Ion: 45 Resp: 377605

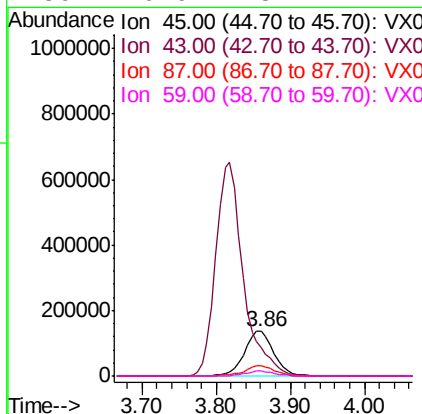
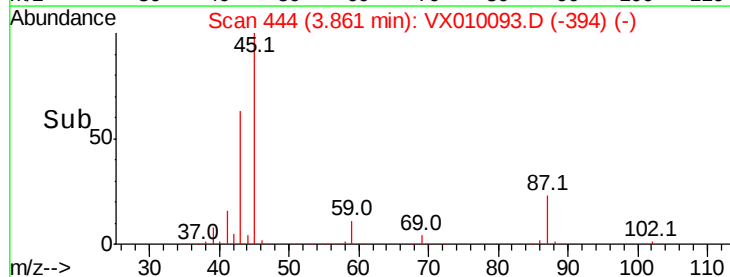
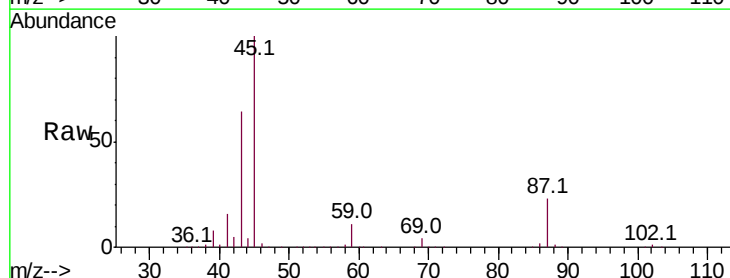
Ion Ratio Lower Upper

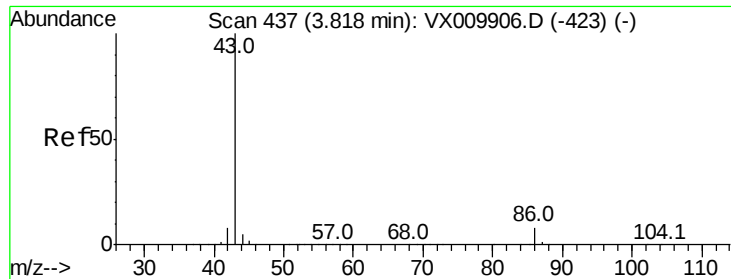
45 100

43 63.2 65.0 97.4#

87 23.3 17.3 25.9

59 10.9 8.1 12.1





#23

Vinyl Acetate

Concen: 248.540 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1680221

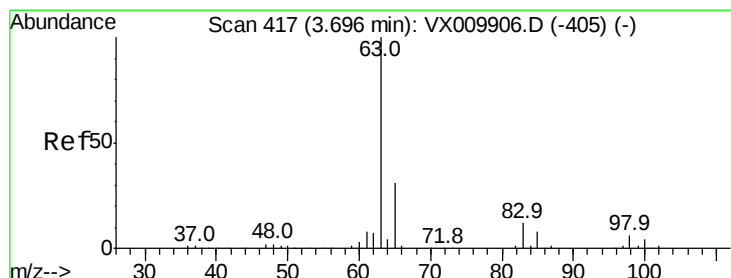
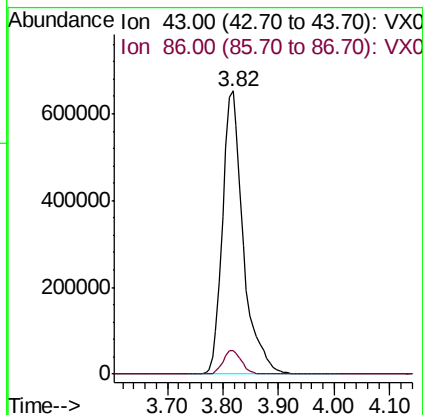
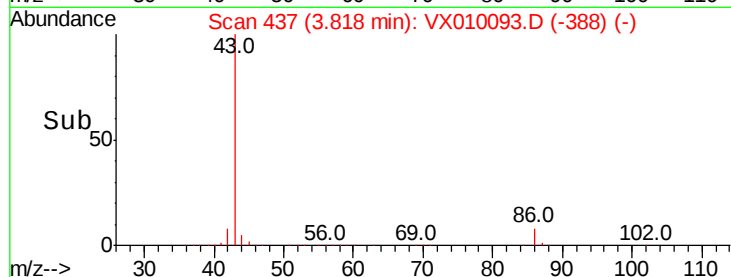
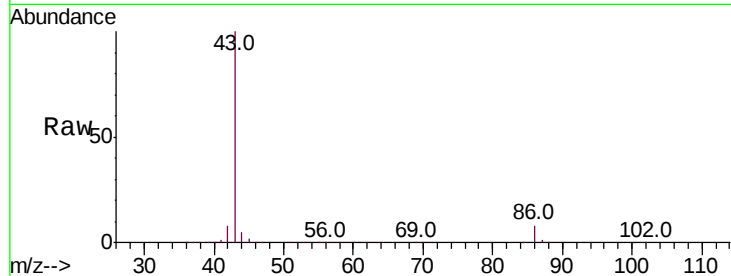
Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 50.142 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

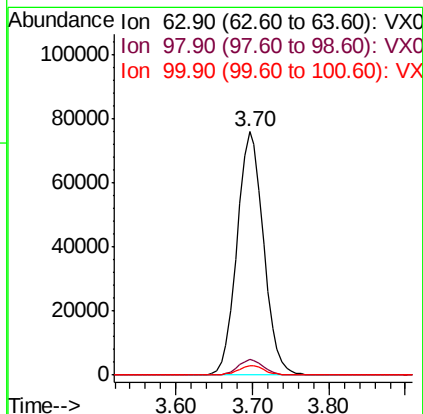
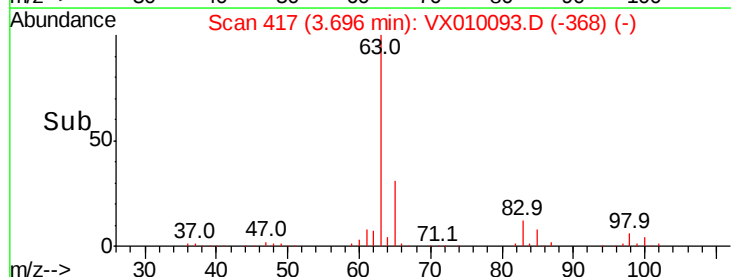
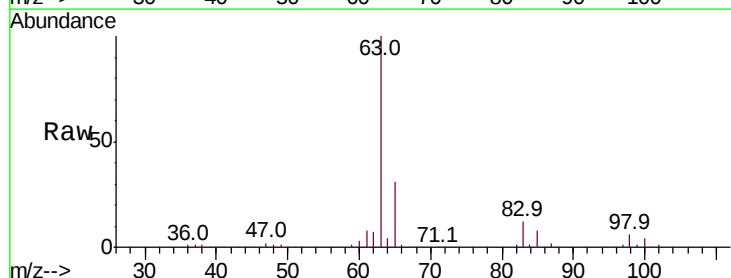
Tgt Ion: 63 Resp: 182862

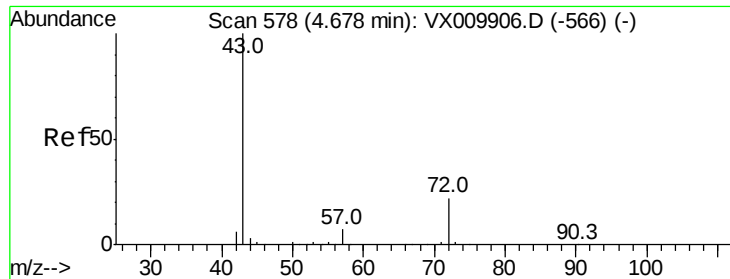
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 4.0 1.8 5.4





#25

2-Butanone

Concen: 237.803 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 485874

Ion Ratio Lower Upper

43 100

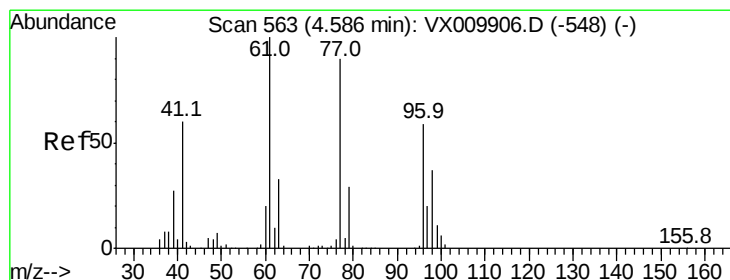
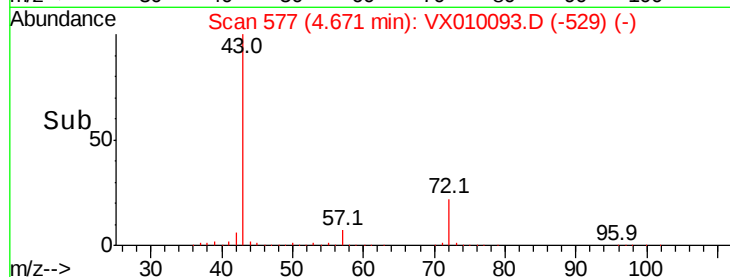
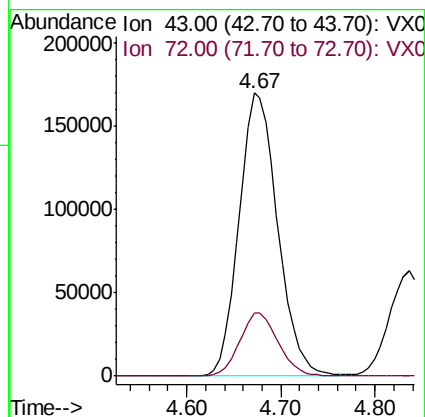
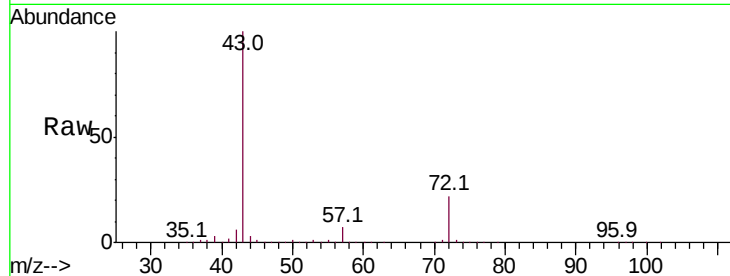
72 22.0 17.5 26.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.153 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX010093.D

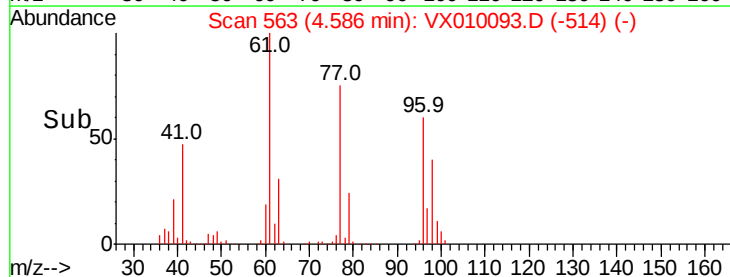
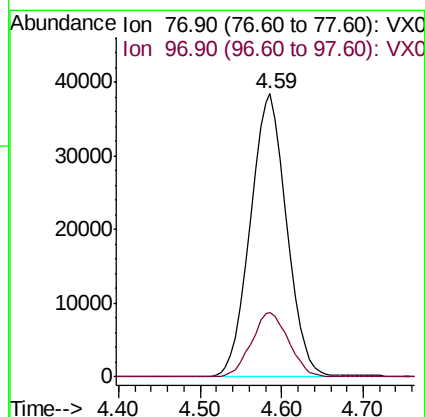
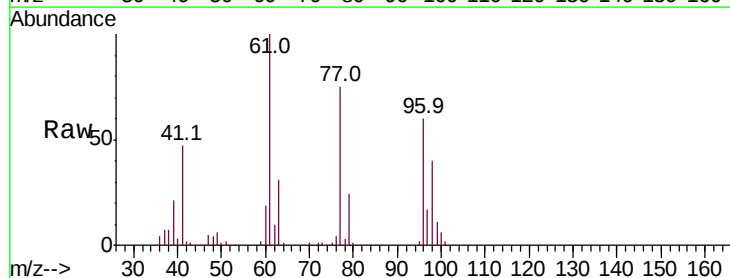
Acq: 05 Jun 2019 22:18

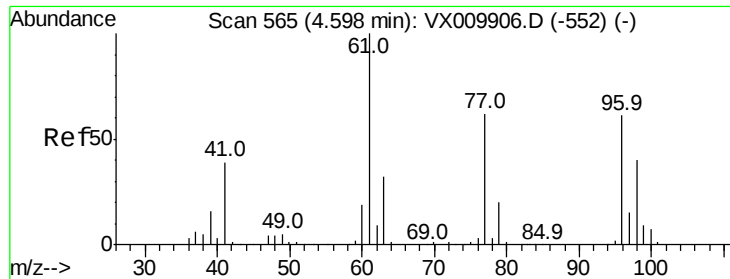
Tgt Ion: 77 Resp: 119047

Ion Ratio Lower Upper

77 100

97 23.4 11.4 34.2





#27

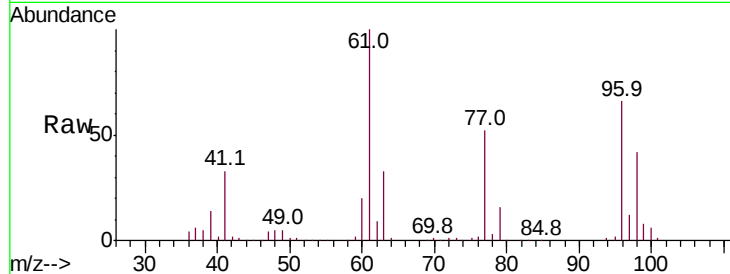
cis-1,2-Dichloroethene
Concen: 49.382 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

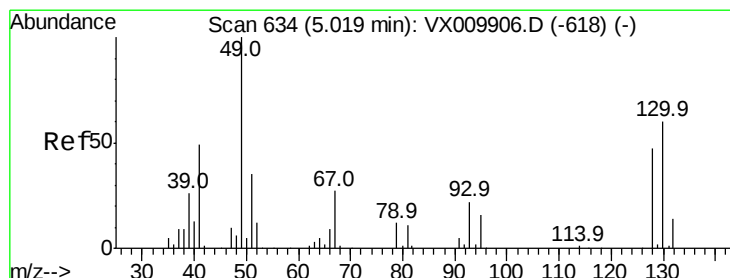
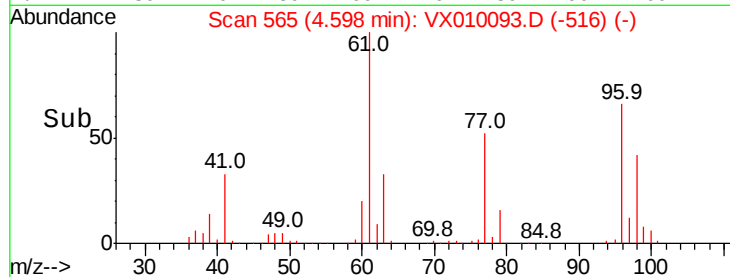
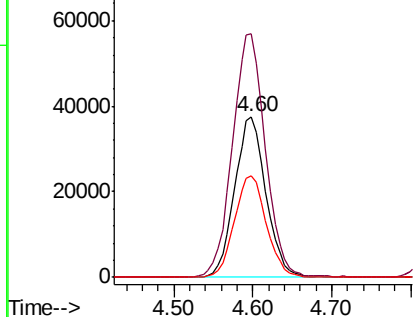
Tot Ion	Ratio	Resp	Lower	Upper
96	100	103210		
61	159.8	0.0	334.0	
98	65.1	0.0	131.6	

Manual Integrations
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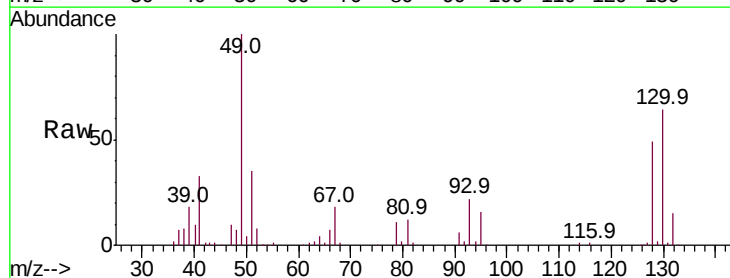
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



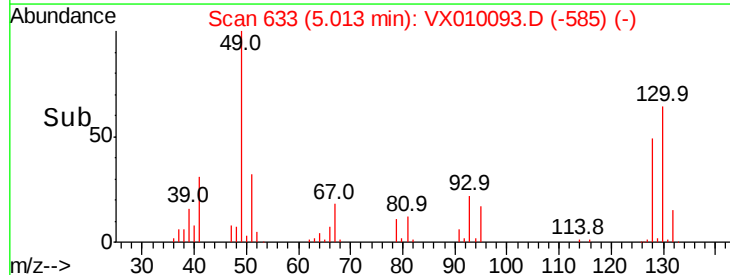
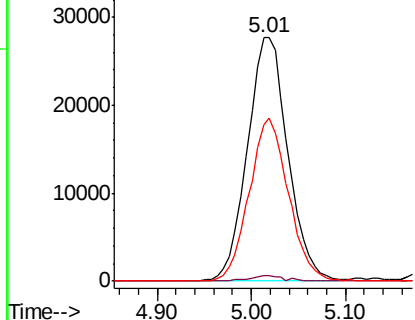
#28

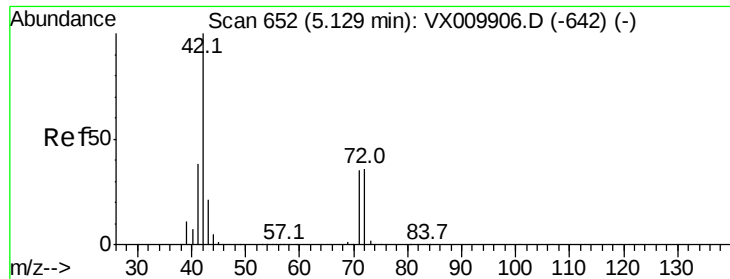
Bromochloromethane
Concen: 43.965 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83204		
129	1.9	0.0	3.4	
130	65.0	49.4	74.2	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





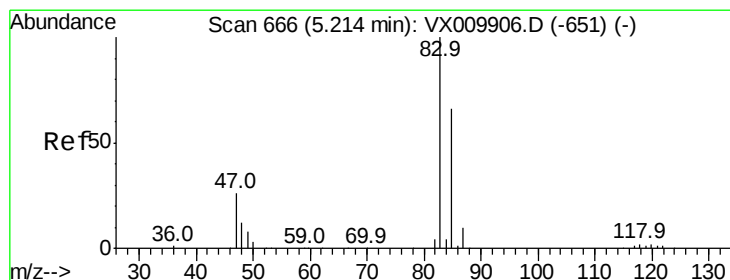
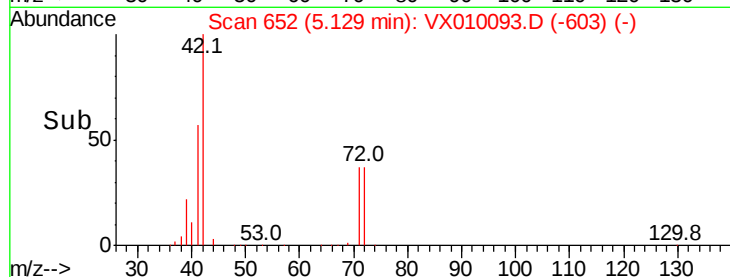
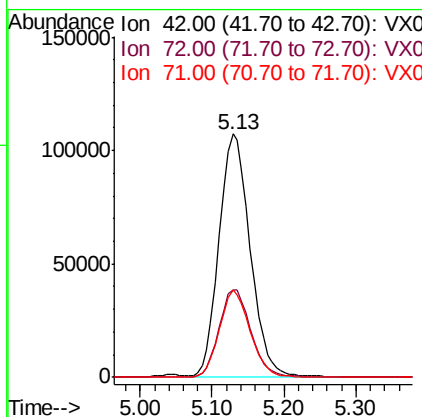
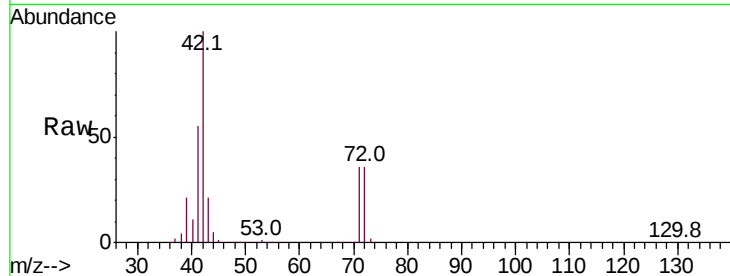
#29
Tetrahydrofuran
Concen: 245.745 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	29.2	43.8
71	35.5	27.6	41.4

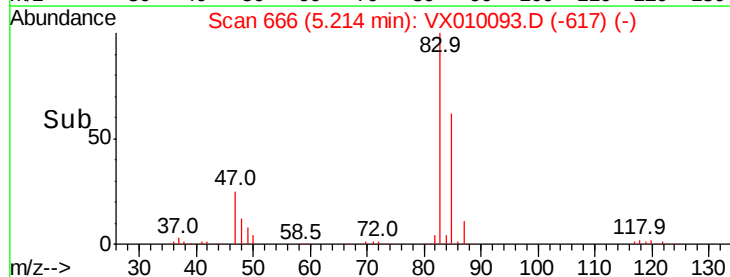
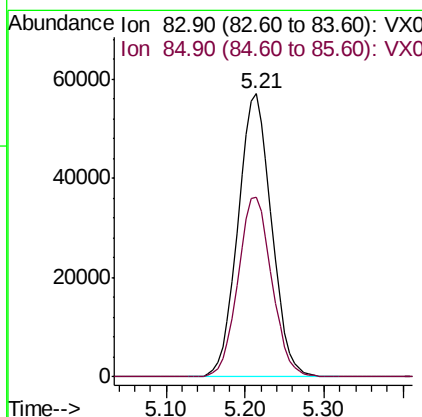
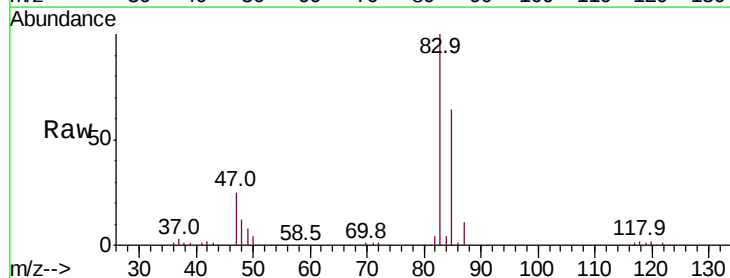
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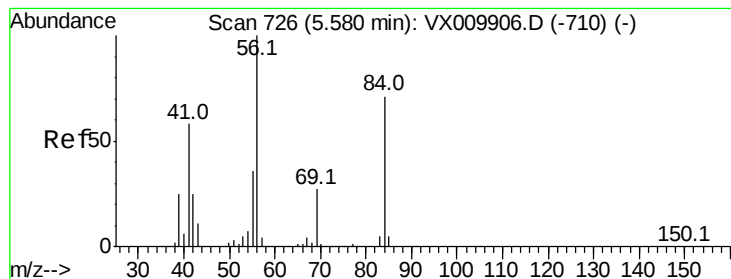
MMDadoda
6/6/2019 10:11:56 AM



#30
Chloroform
Concen: 51.208 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.6	78.8





#31

Cyclohexane

Concen: 52.062 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 179829

Ion Ratio Lower Upper

56 100

69 27.9 21.6 32.4

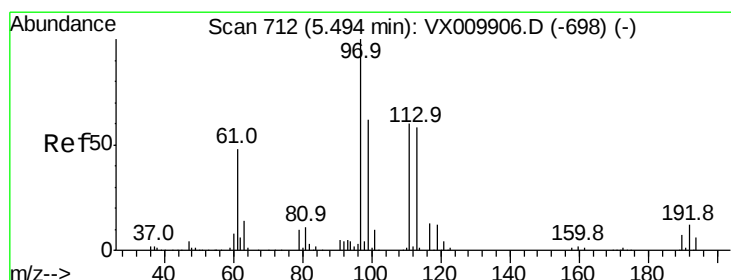
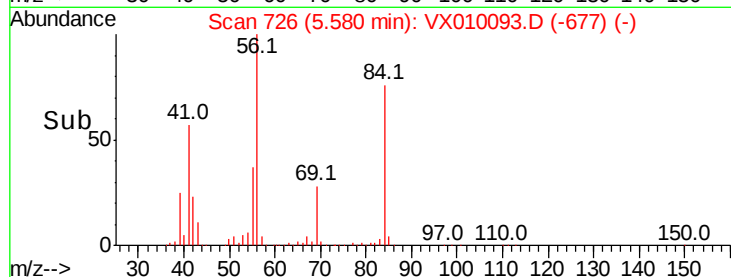
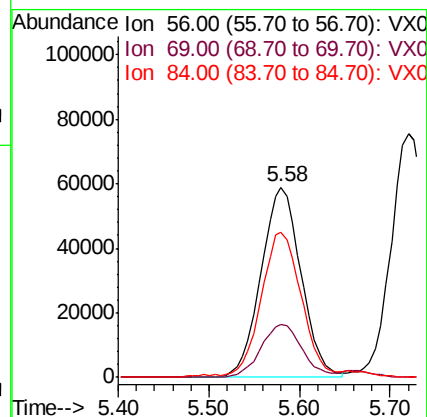
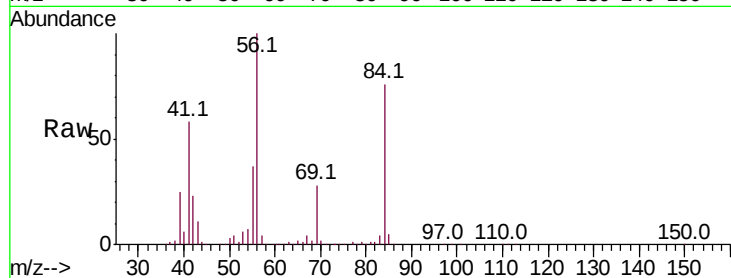
84 75.1 56.8 85.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 52.941 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

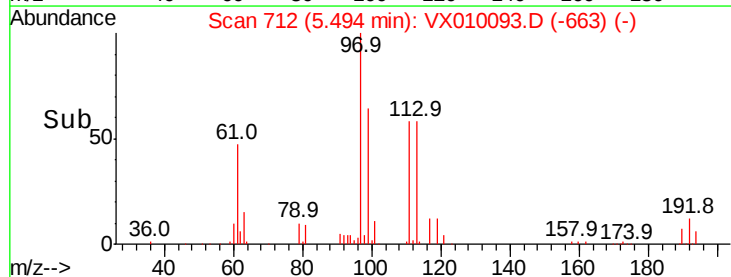
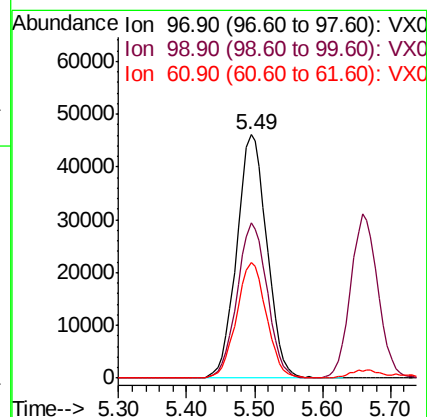
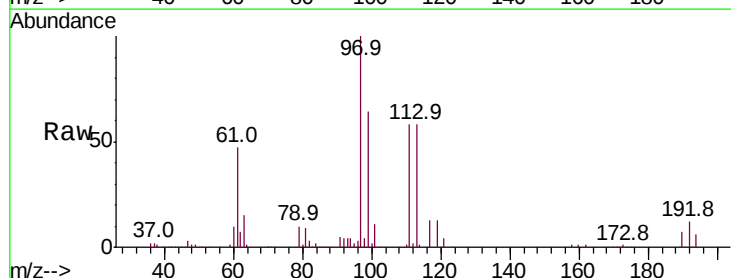
Tgt Ion: 97 Resp: 141806

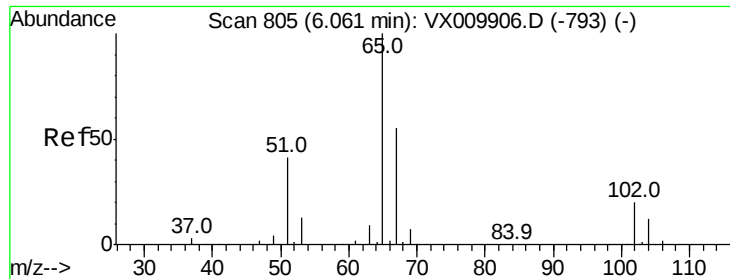
Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

61 47.3 38.7 58.1





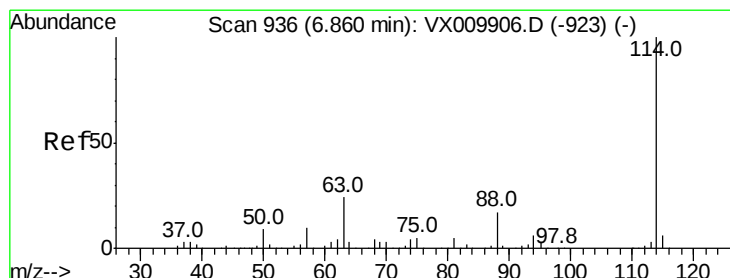
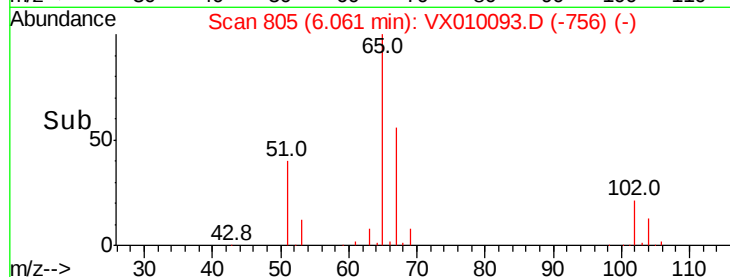
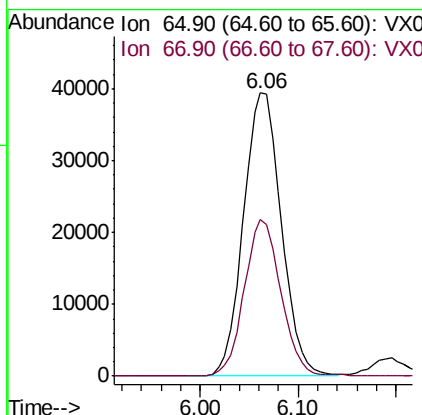
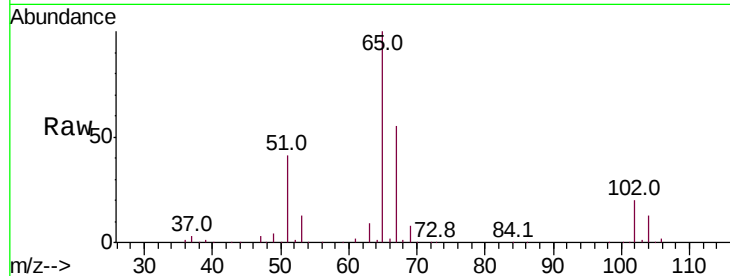
#33
 1,2-Dichloroethane-d4
 Concen: 46.619 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010093.D
 Acq: 05 Jun 2019 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	108.4	

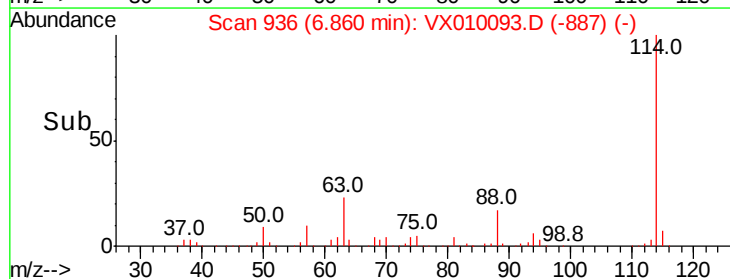
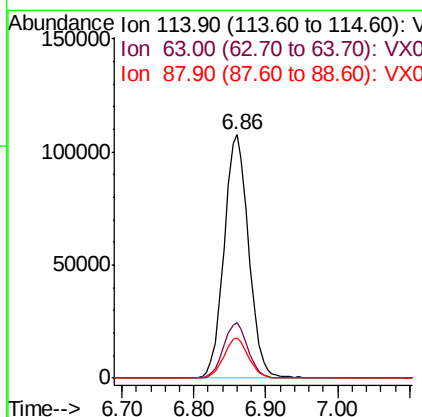
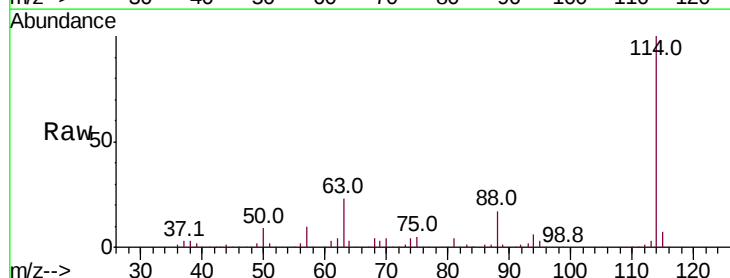
Manual Integrations
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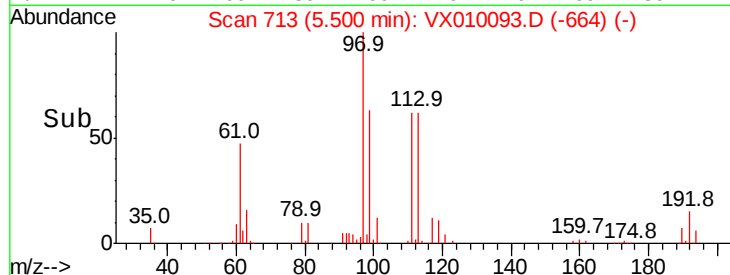
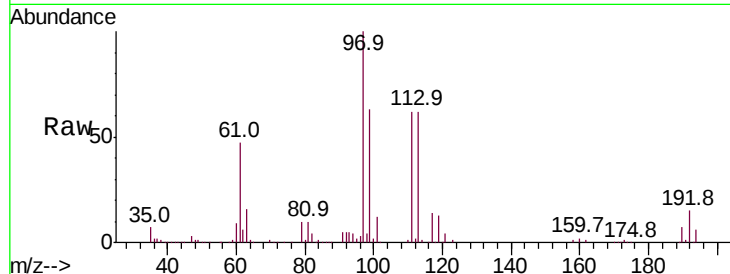
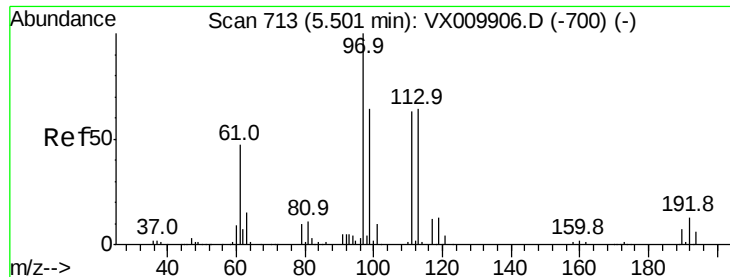
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010093.D
 Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	47.4	
88	16.6	0.0	33.0	





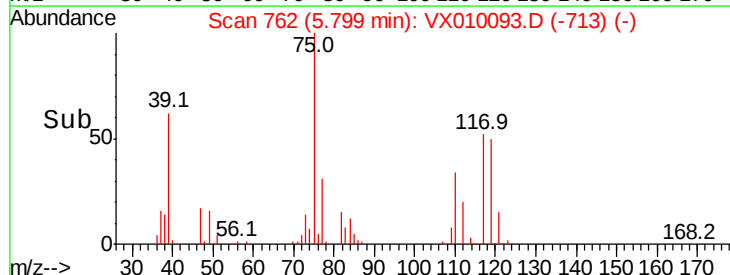
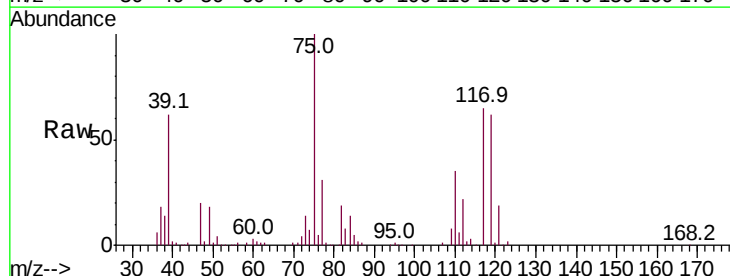
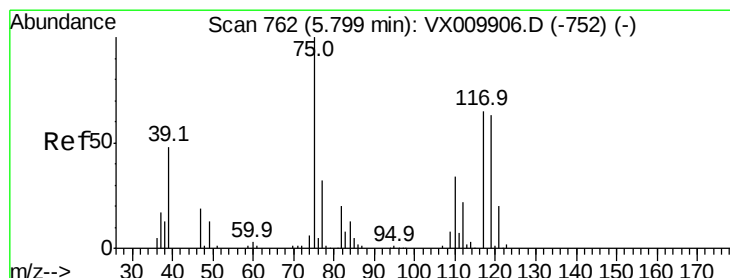
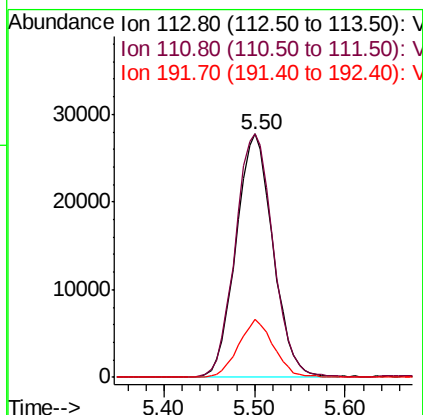
#35
Dibromofluoromethane
Concen: 48.761 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.2
192	22.5	17.1	25.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

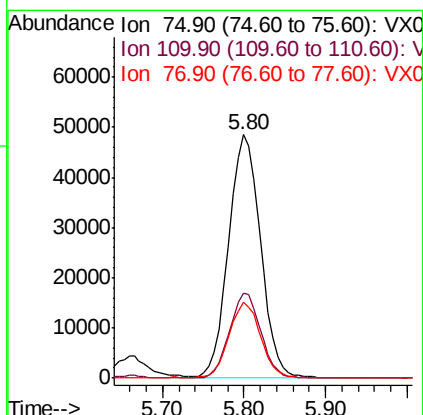
Manual Integrations
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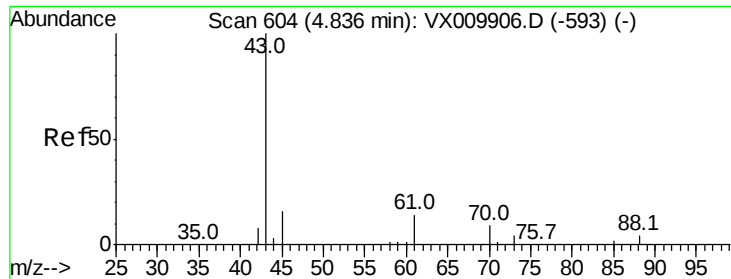
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.312 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.7	50.1
77	31.3	25.0	37.4





#37

Ethyl Acetate

Concen: 50.901 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

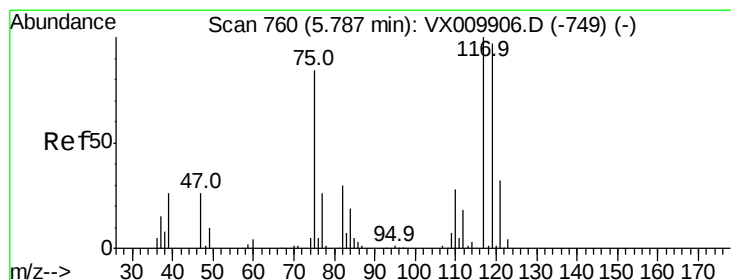
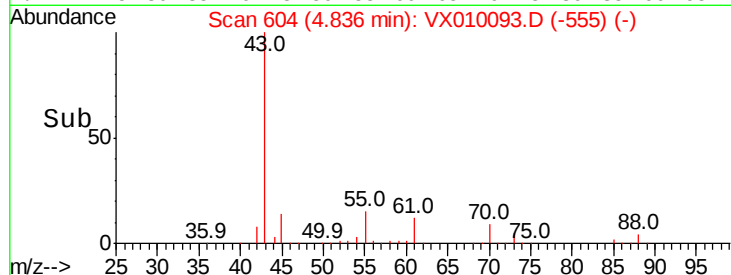
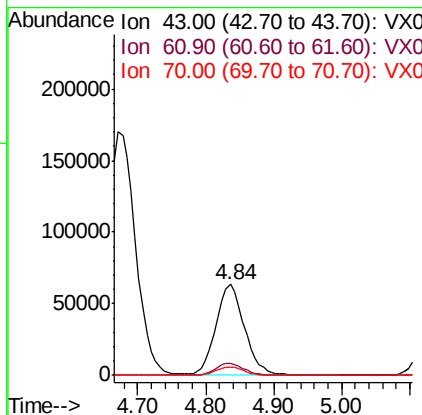
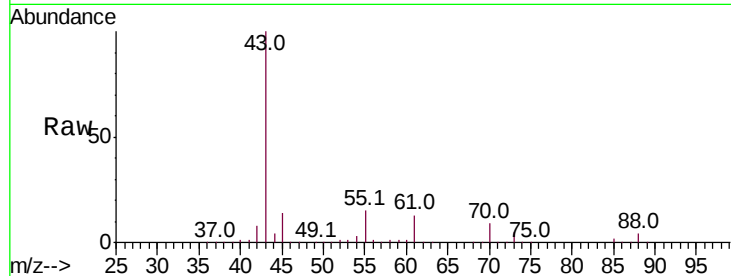
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	184118
Ion Ratio	Lower	Upper	
43	100		
61	13.5	10.2	15.2
70	9.3	7.4	11.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 53.510 ug/l

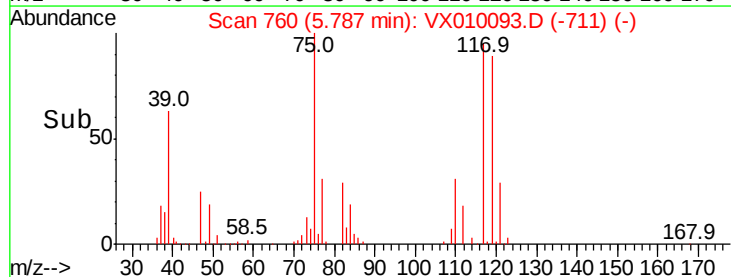
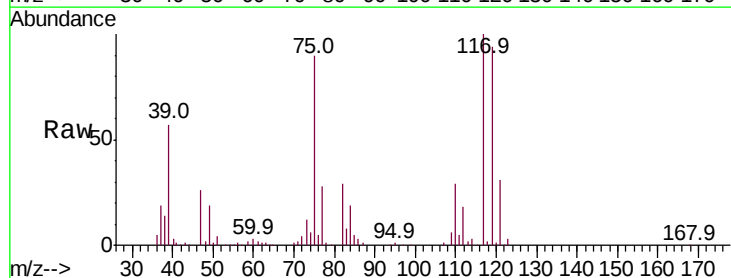
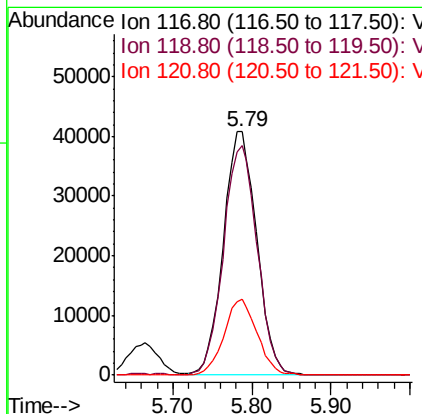
RT: 5.79 min Scan# 760

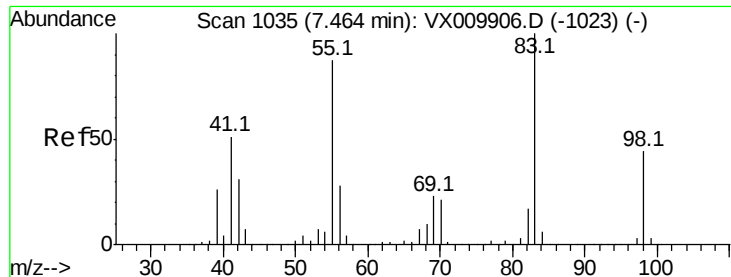
Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Tgt Ion:	117	Resp:	120039
Ion Ratio	Lower	Upper	
117	100		
119	94.2	77.3	115.9
121	31.2	25.4	38.0





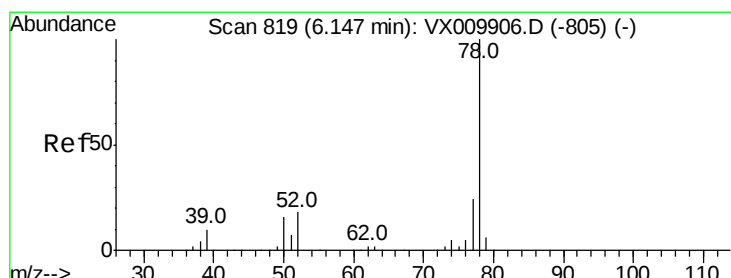
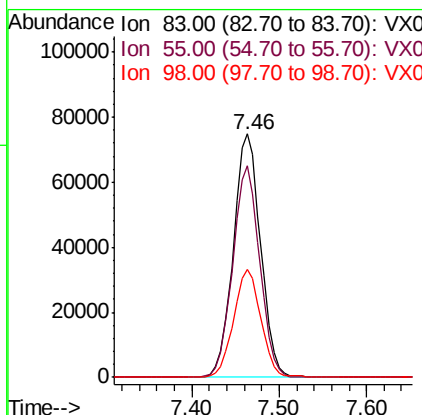
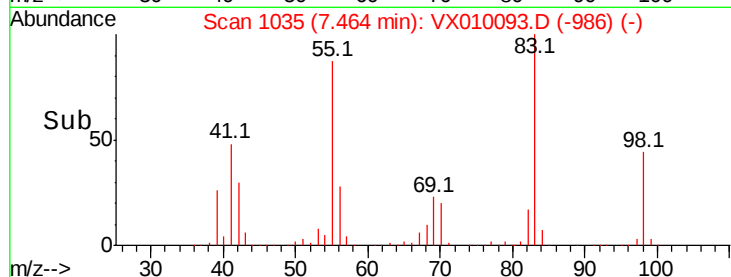
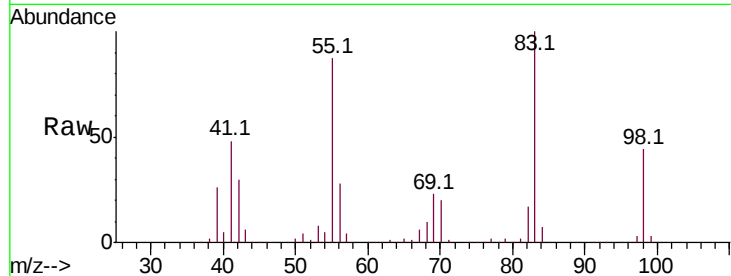
#39
Methvlcvclohexane
Concen: 52.636 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	69.9	104.9
98	44.2	35.1	52.7

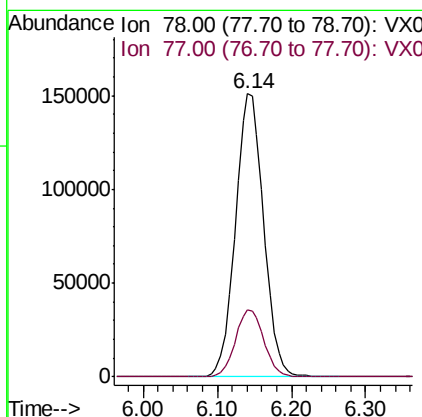
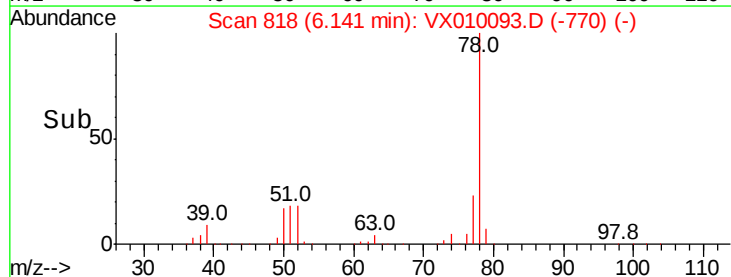
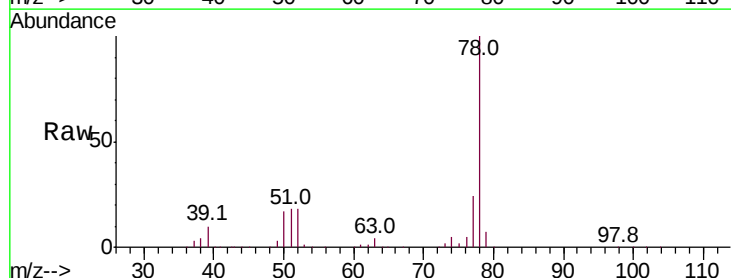
Manual Integrations
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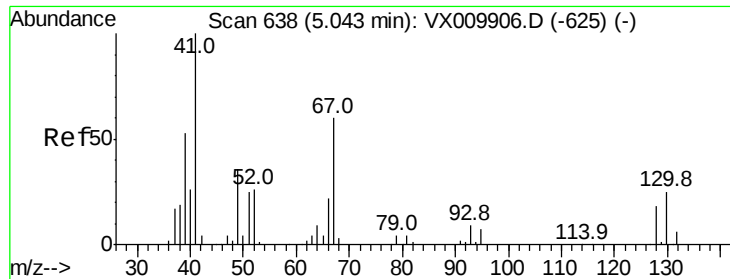
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#40
Benzene
Concen: 51.945 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





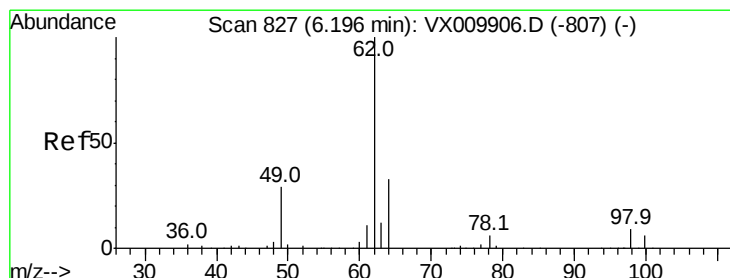
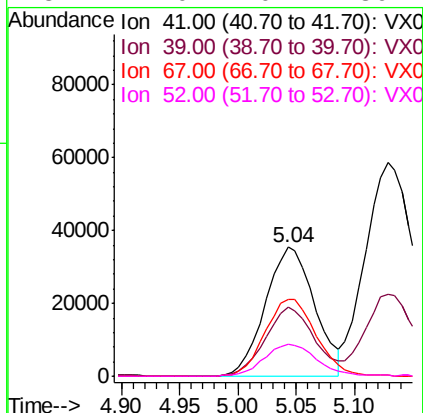
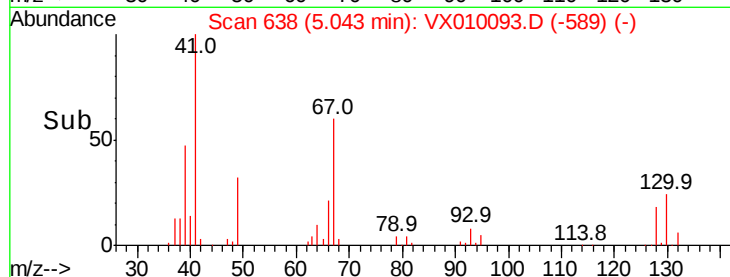
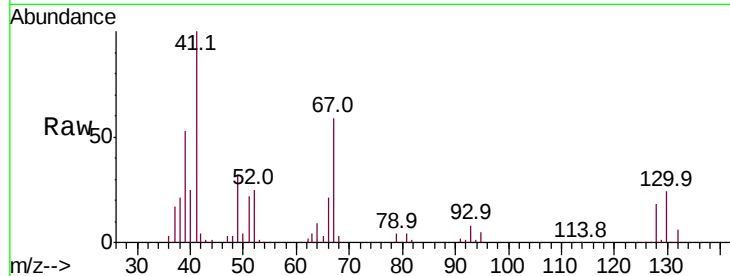
#41
Methacrylonitrile
Concen: 49.182 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.2	63.4
67	62.4	48.9	73.3
52	27.0	20.1	30.1

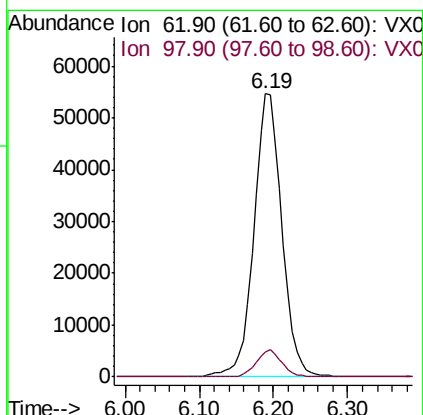
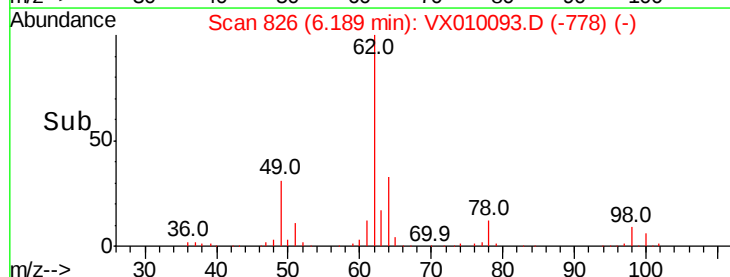
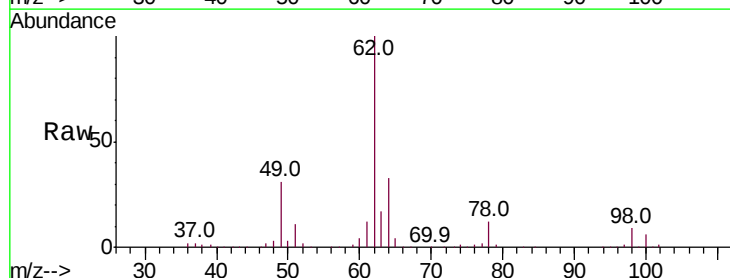
Manual Integrations
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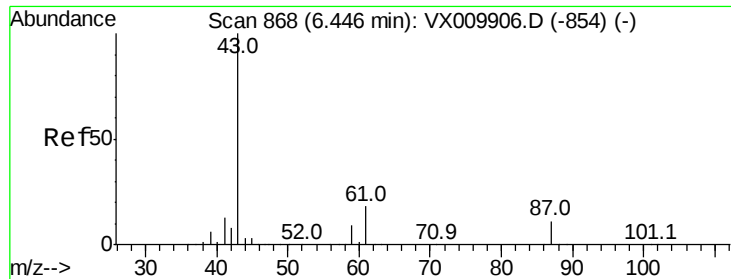
MMDadoda
6/6/2019 10:11:56 AM



#42
1,2-Dichloroethane
Concen: 50.450 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





#43

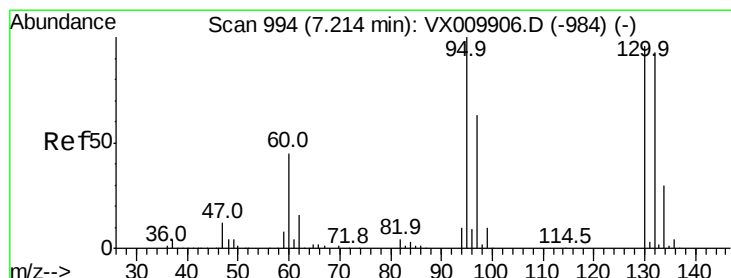
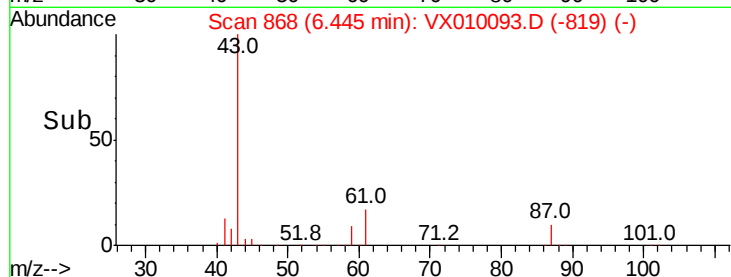
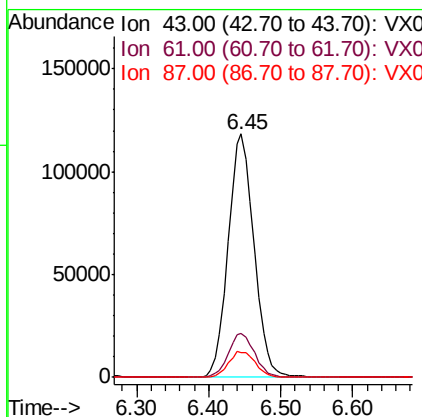
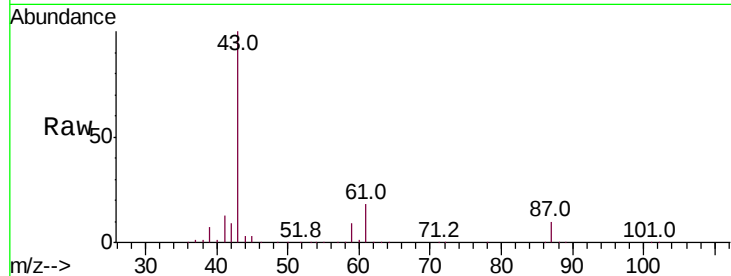
Isopropyl Acetate
 Concen: 50.388 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010093.D
 Acq: 05 Jun 2019 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.6	21.8
87	11.2	8.7	13.1

Manual Integrations
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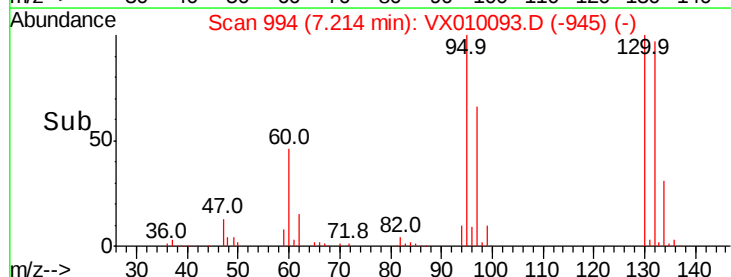
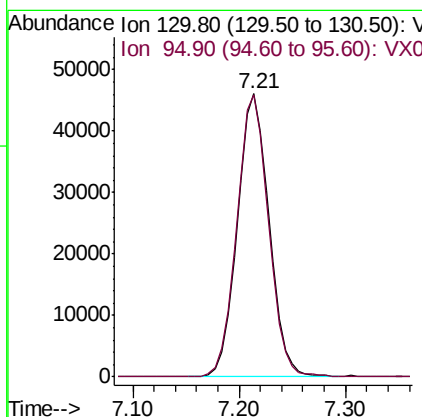
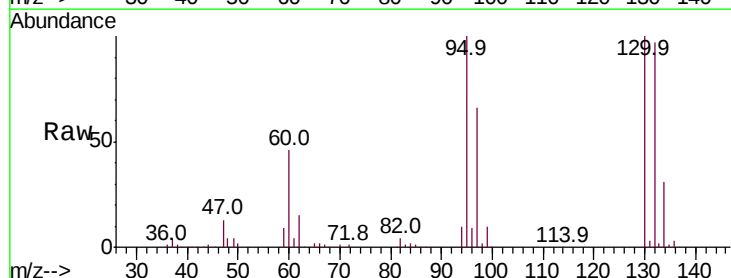
MMDadoda
 6/6/2019 10:11:56 AM

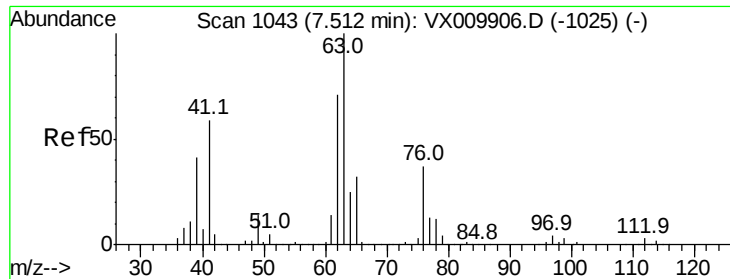


#44

Trichloroethene
 Concen: 51.610 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010093.D
 Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	207.4





#45

1,2-Dichloropropane

Concen: 50.538 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 112034

Ion Ratio Lower Upper

63 100

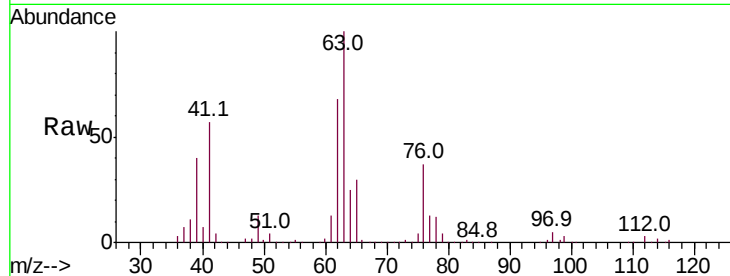
65 29.7 25.7 38.5

Manual Integrations

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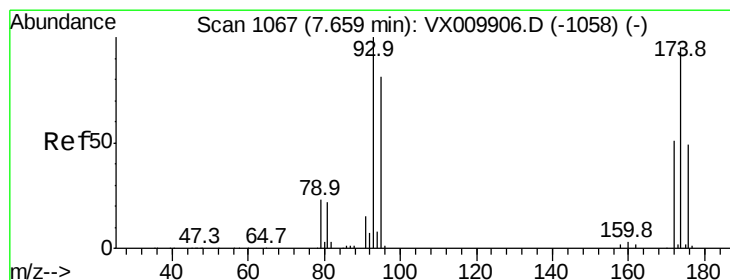
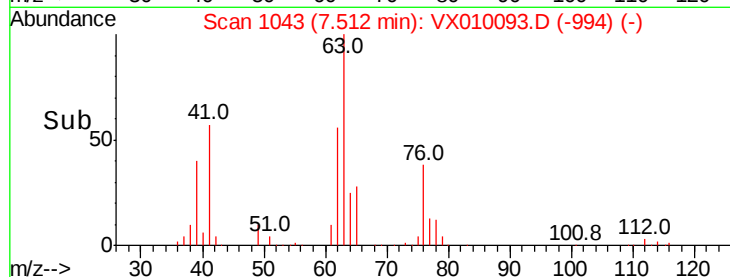
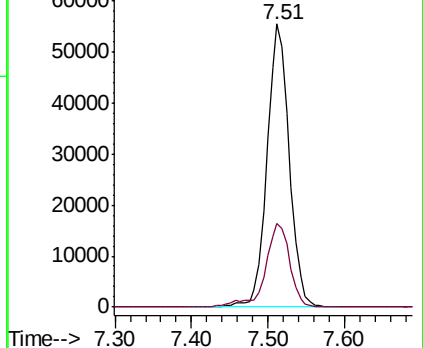
MMDadoda

6/6/2019 10:11:56 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.052 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

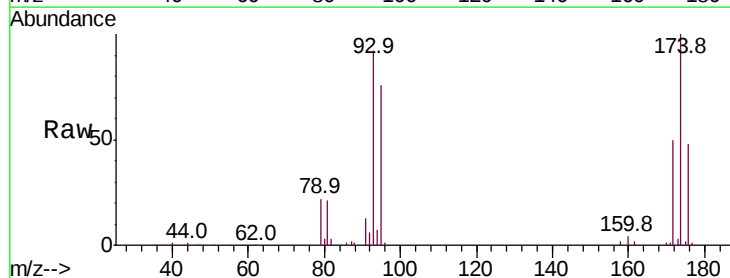
Tgt Ion: 93 Resp: 65312

Ion Ratio Lower Upper

93 100

95 82.8 66.8 100.2

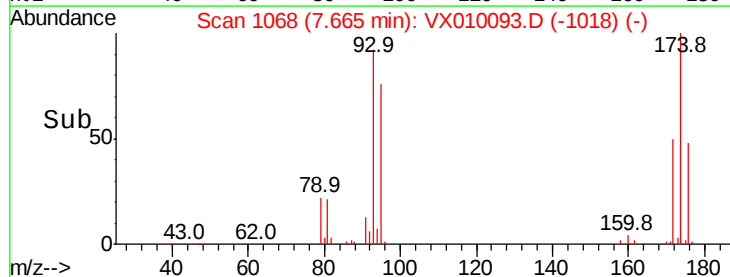
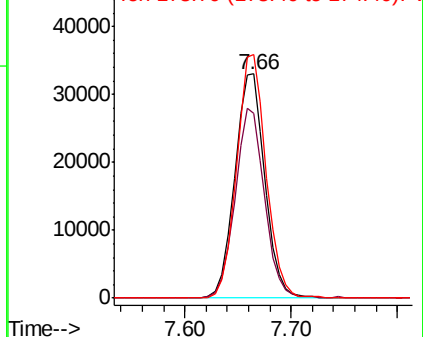
174 106.3 81.9 122.9

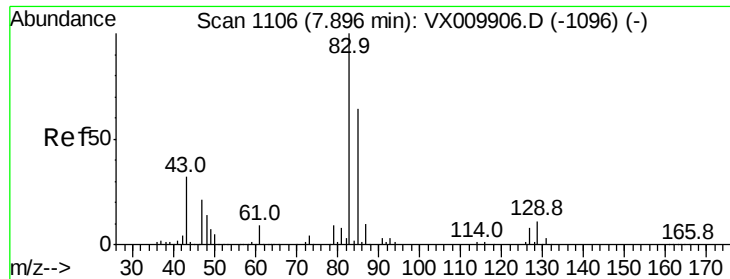


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.490 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

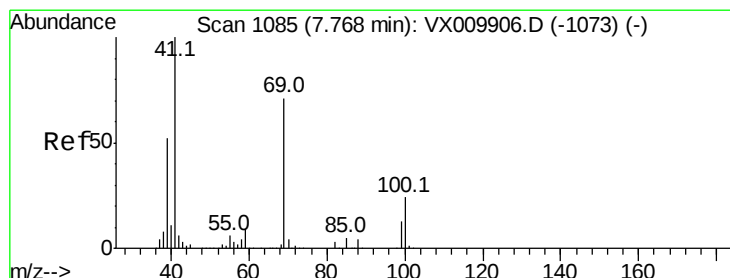
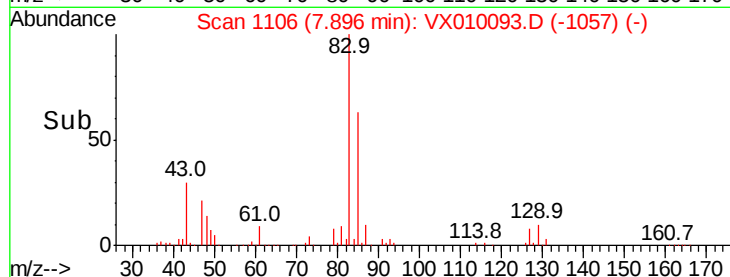
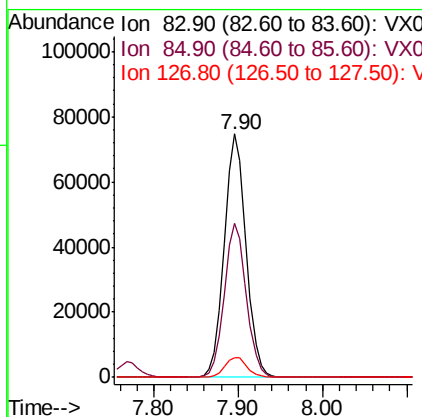
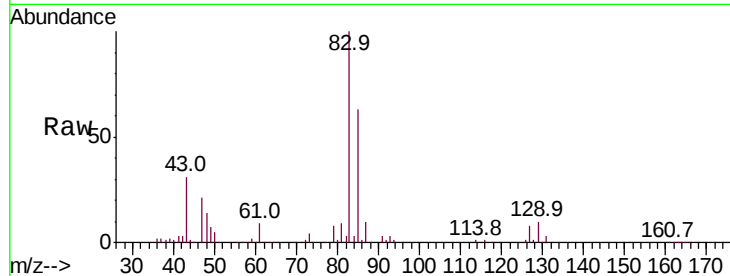
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	132730
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2
127	8.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.765 ug/l

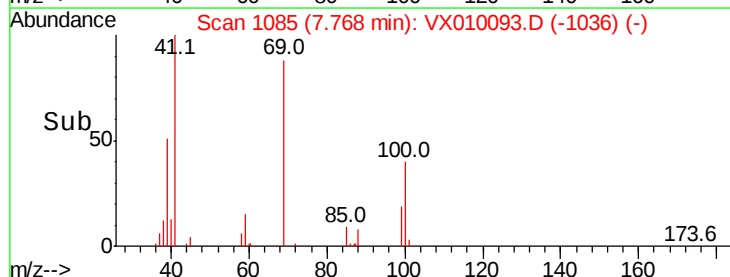
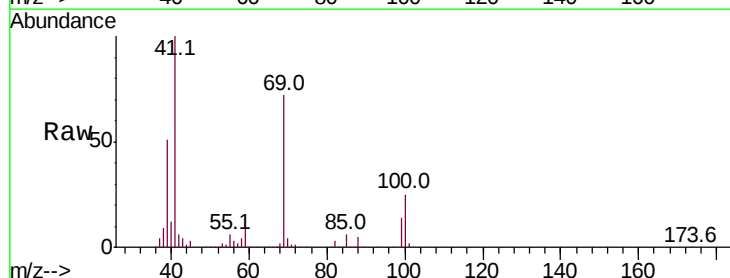
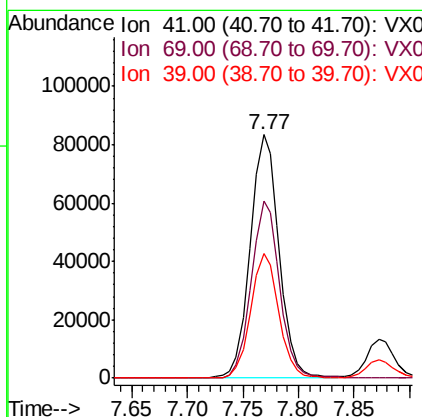
RT: 7.77 min Scan# 1085

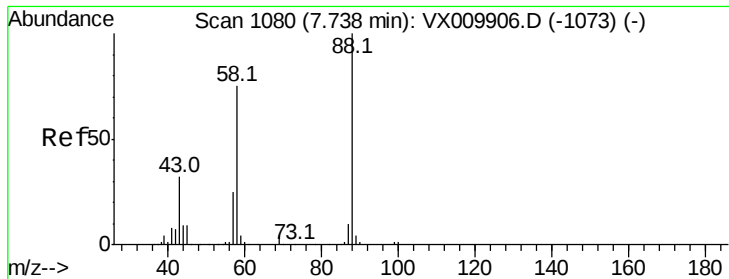
Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Tgt Ion:	41	Resp:	149563
Ion	Ratio	Lower	Upper
41	100		
69	72.5	56.4	84.6
39	50.3	40.6	60.8





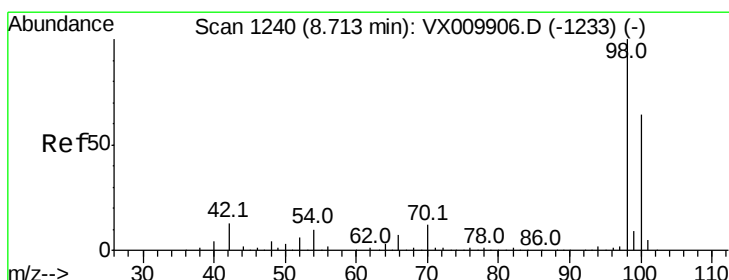
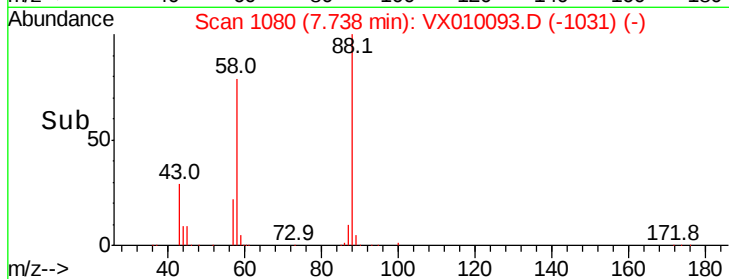
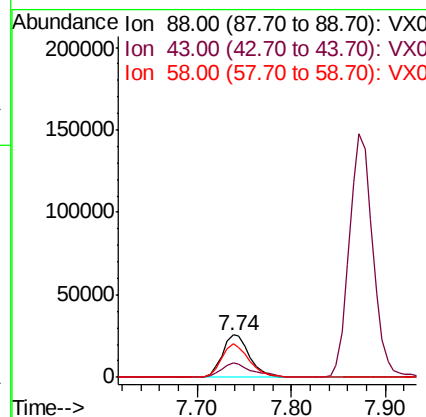
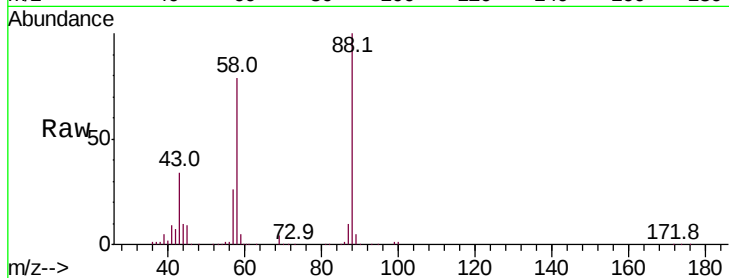
#49
1,4-Dioxane
Concen: 961.870 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.2	45.4
58	80.0	64.0	96.0

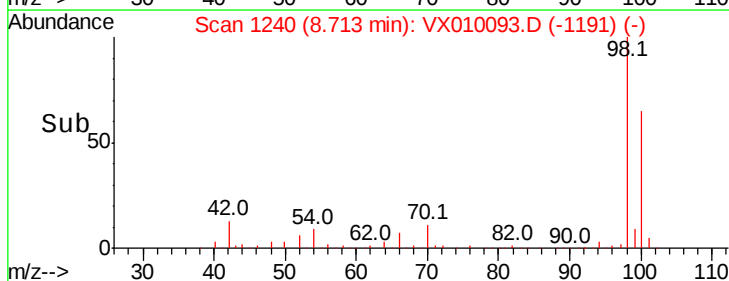
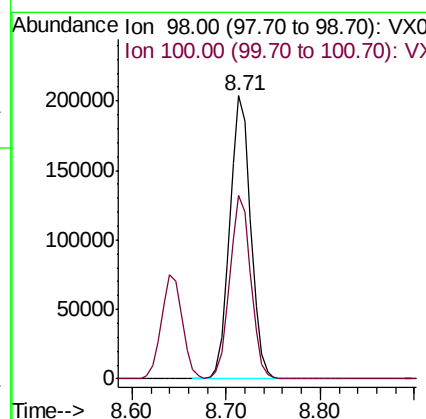
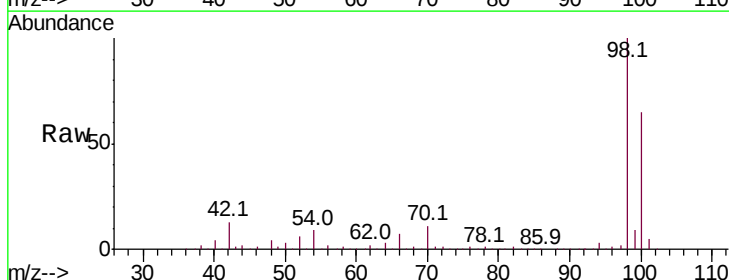
Manual Integrations
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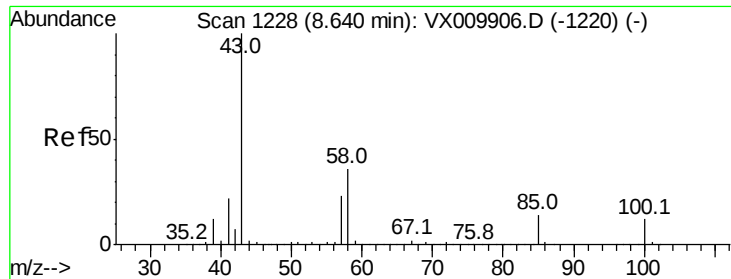
MMDadoda
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#50
Toluene-d8
Concen: 48.020 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 246.935 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 937544

Ion Ratio Lower Upper

43 100

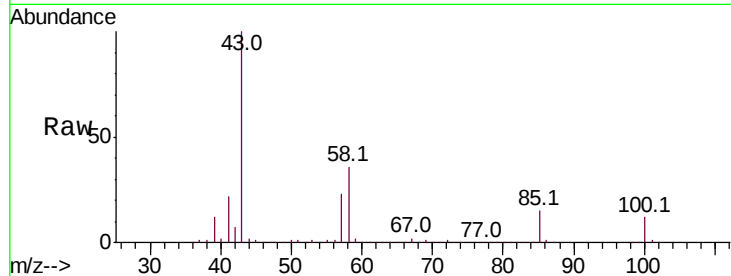
58 36.3 28.8 43.2

Manual Integrations

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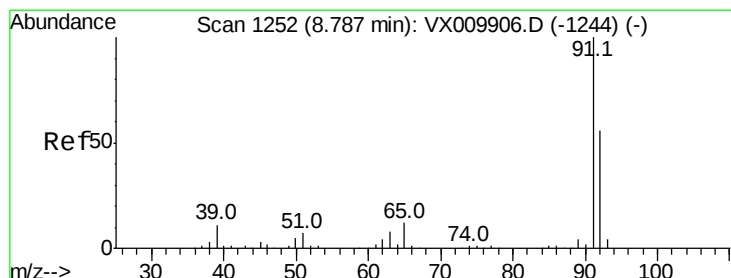
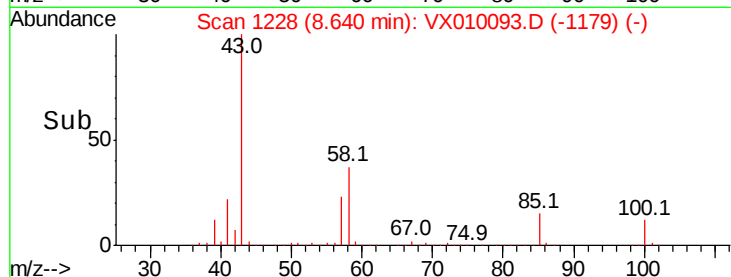
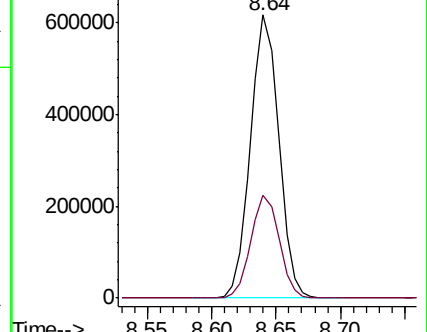
MMDadoda

6/6/2019 10:11:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.853 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010093.D

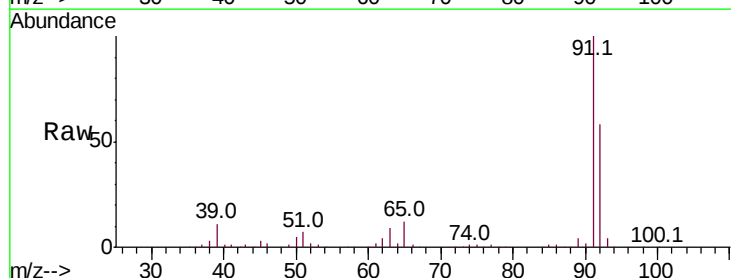
Acq: 05 Jun 2019 22:18

Tgt Ion: 92 Resp: 247126

Ion Ratio Lower Upper

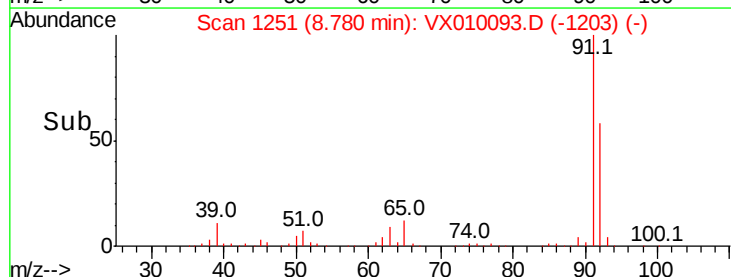
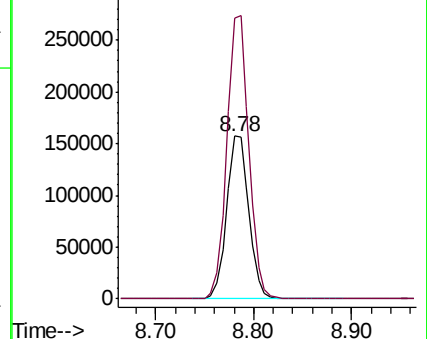
92 100

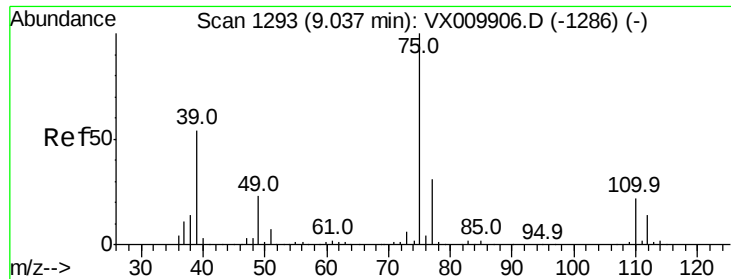
91 171.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





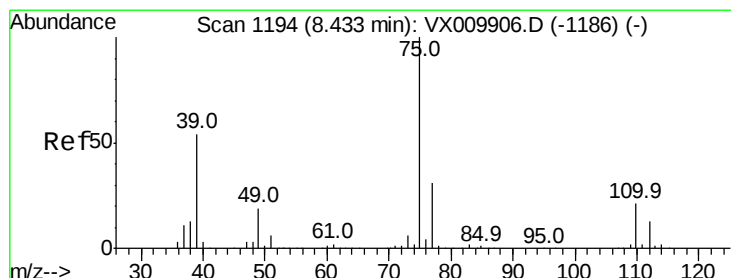
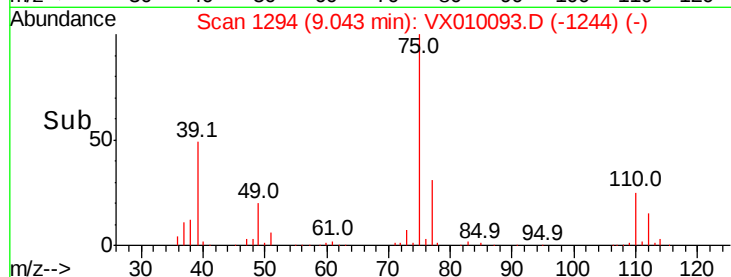
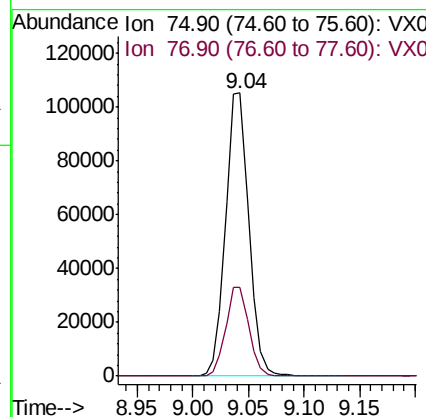
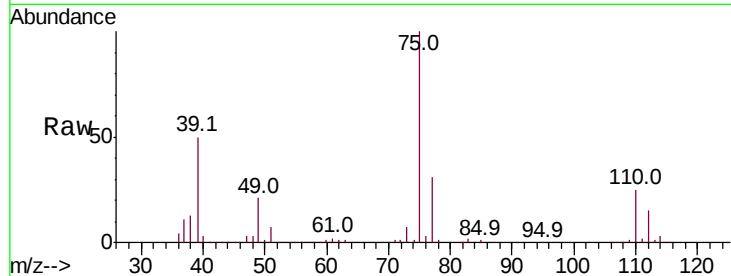
#53
t-1,3-Dichloropropene
Concen: 51.151 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8

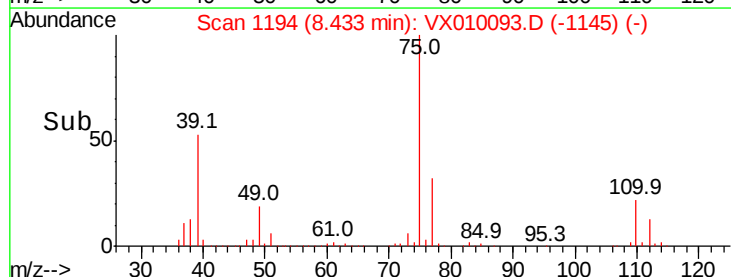
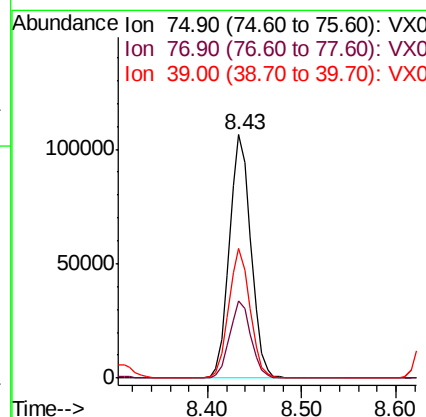
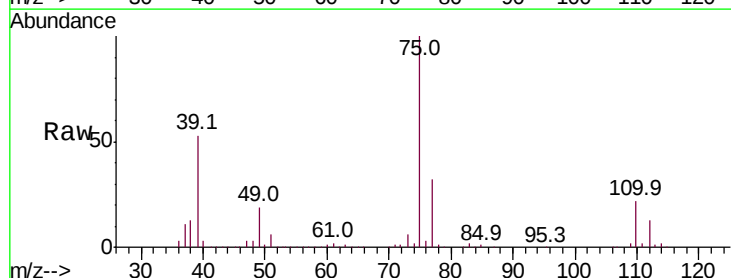
Manual Integrations
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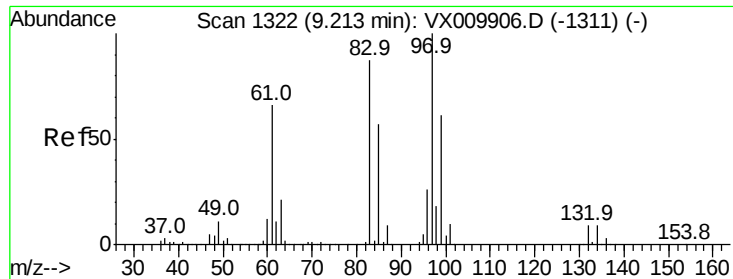
MMDadoda
6/6/2019 10:11:56 AM



#54
cis-1,3-Dichloropropene
Concen: 51.965 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	52.9	43.4	65.0





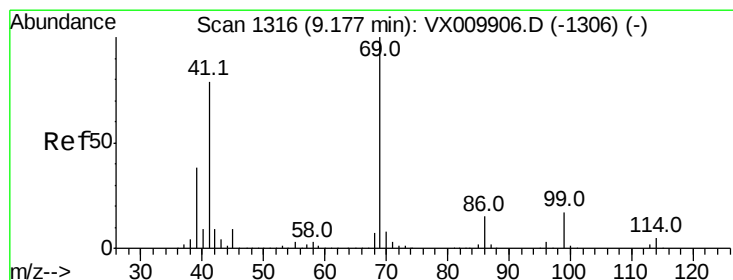
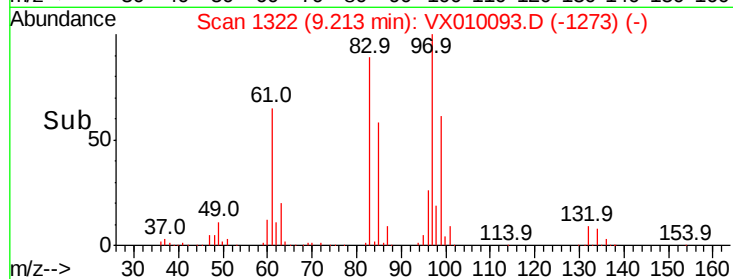
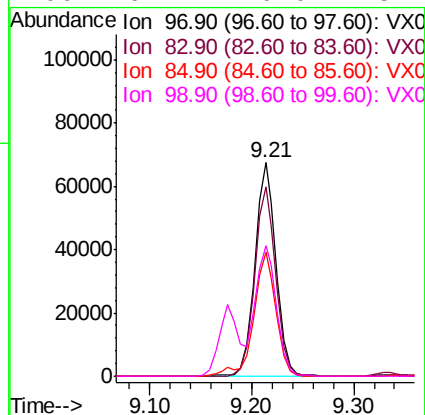
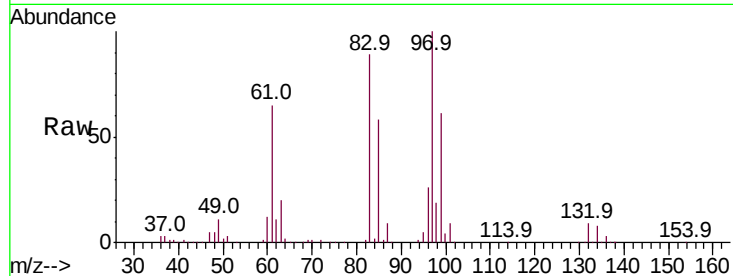
#55
 1,1,2-Trichloroethane
 Concen: 51.926 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010093.D
 Acq: 05 Jun 2019 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	97721
Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.8	104.8
85	58.0	45.3	67.9
99	61.4	49.0	73.4

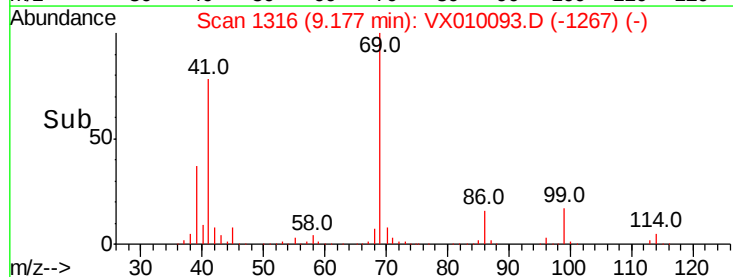
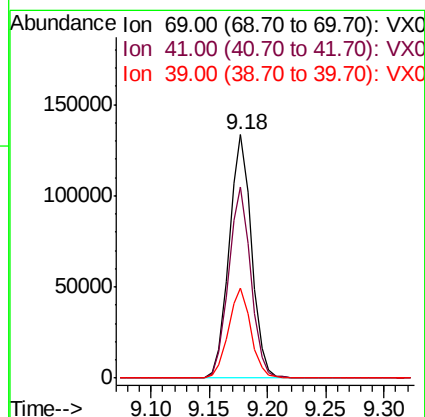
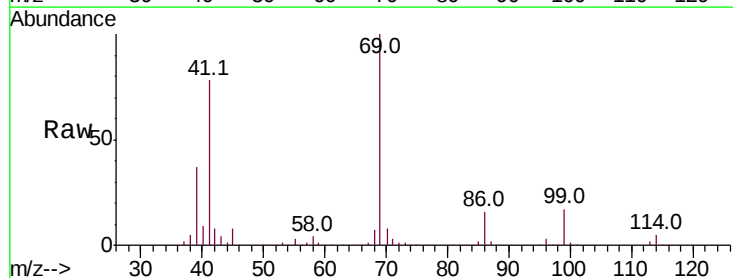
Manual Integrations
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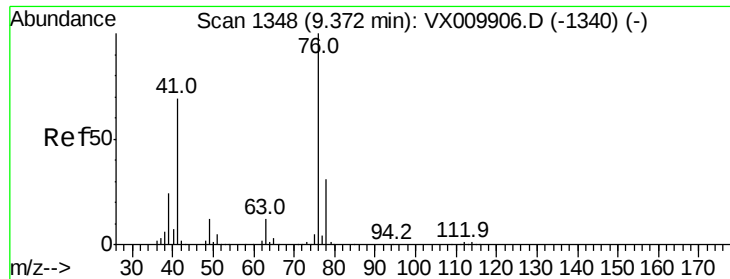
MMDadoda
 6/6/2019 10:11:56 AM



#56
 Ethyl methacrylate
 Concen: 53.265 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010093.D
 Acq: 05 Jun 2019 22:18

Tgt Ion:	69	Resp:	178459
Ion	Ratio	Lower	Upper
69	100		
41	77.4	62.7	94.1
39	37.0	29.5	44.3





#57

1,3-Dichloropropane

Concen: 51.039 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 172498

Ion Ratio Lower Upper

76 100

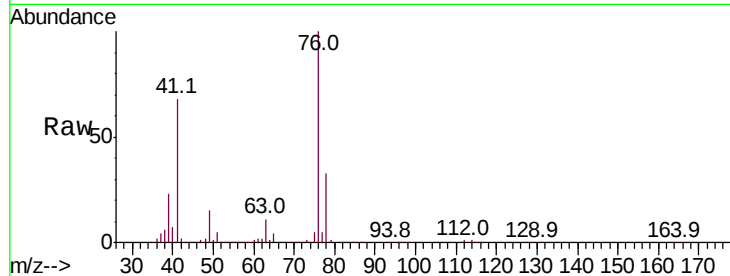
78 32.4 25.4 38.0

Manual Integrations

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MMDadoda

6/6/2019 10:11:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

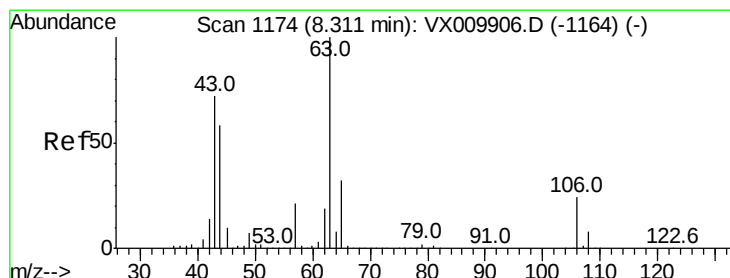
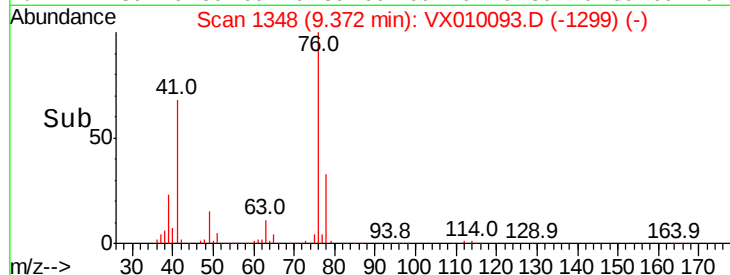
9.37

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.889 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010093.D

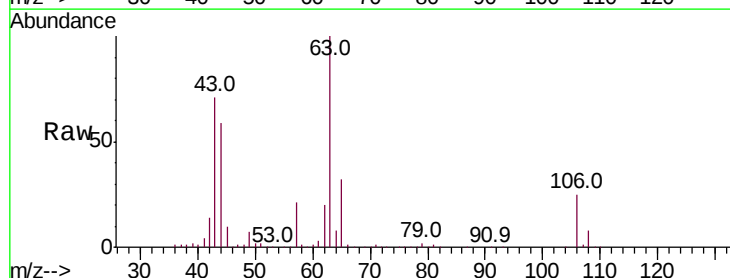
Acq: 05 Jun 2019 22:18

Tgt Ion: 63 Resp: 430236

Ion Ratio Lower Upper

63 100

106 24.8 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

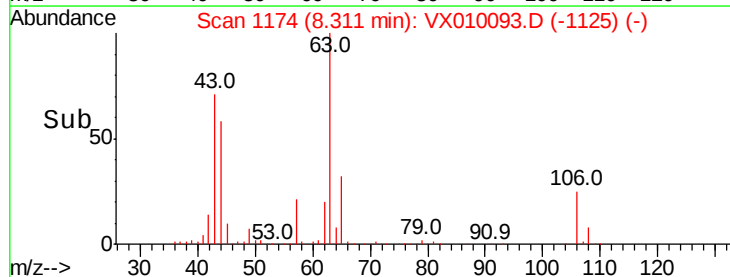
150000

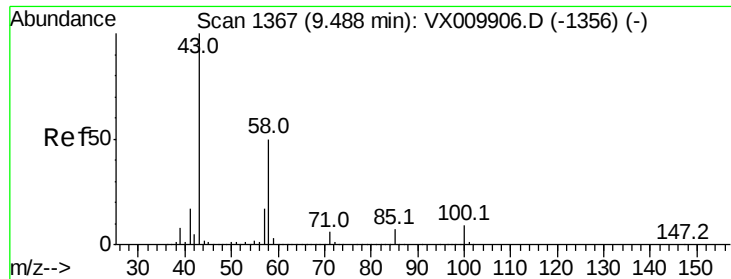
100000

50000

0

Time-->





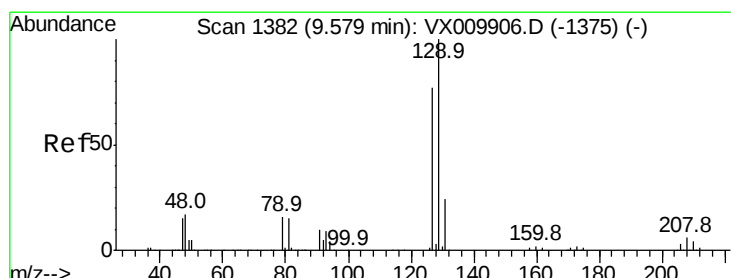
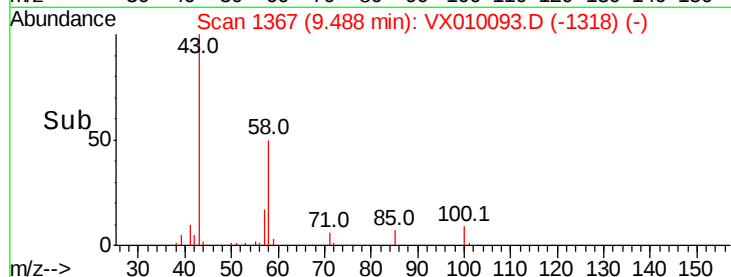
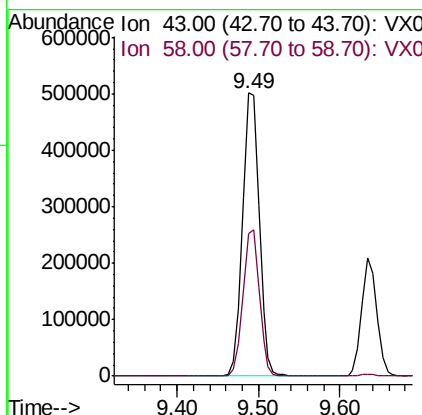
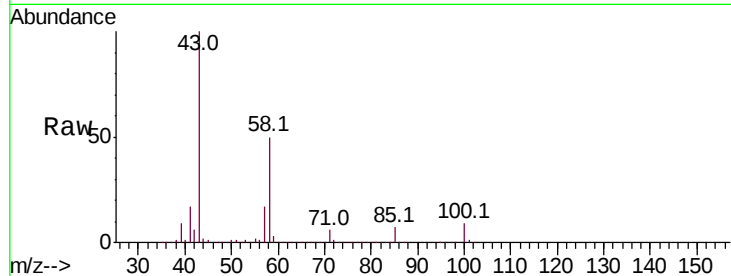
#59
2-Hexanone
Concen: 242.067 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	25.1	75.3

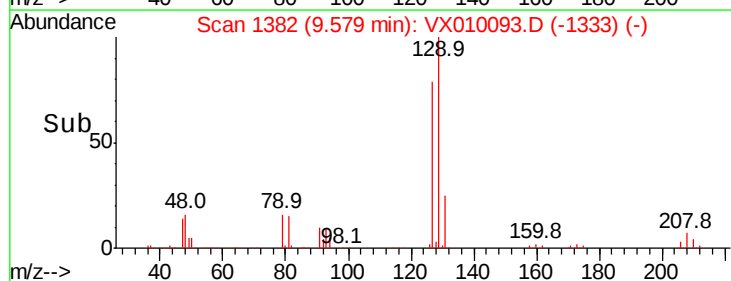
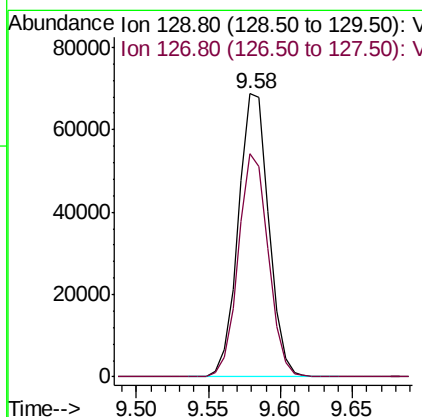
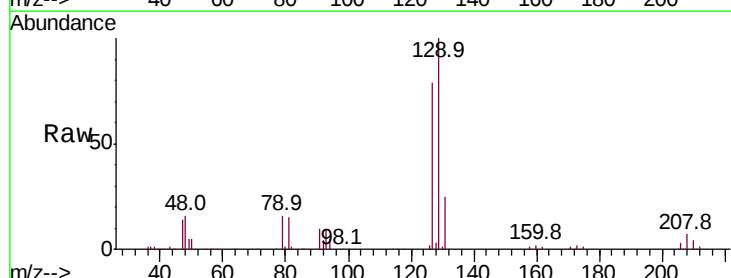
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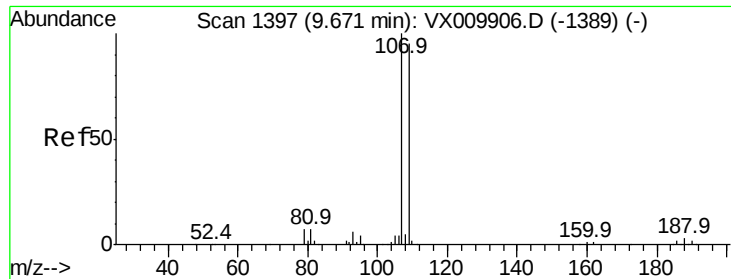
MMDadoda
6/6/2019 10:11:56 AM



#60
Dibromochloromethane
Concen: 54.616 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5





#61

1,2-Dibromoethane

Concen: 52.969 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 102409

Ion Ratio Lower Upper

107 100

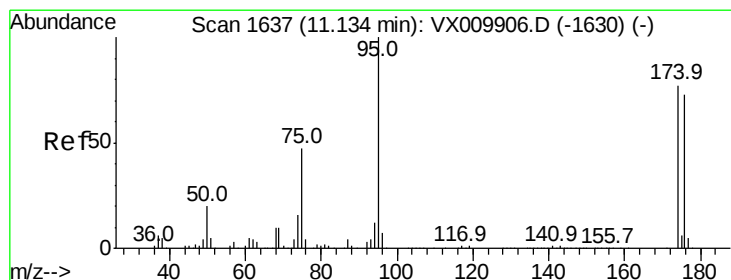
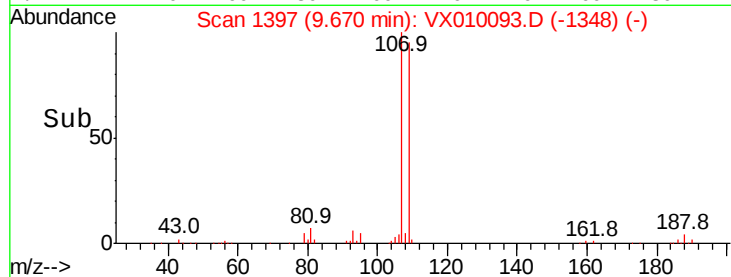
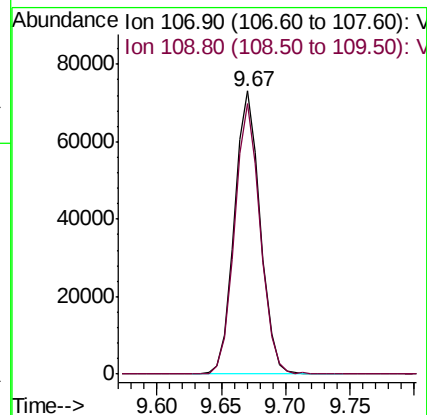
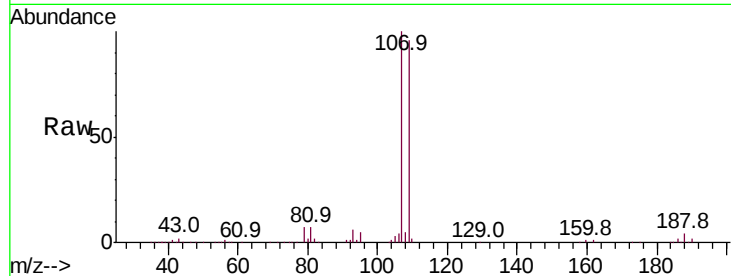
109 95.0 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 47.860 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

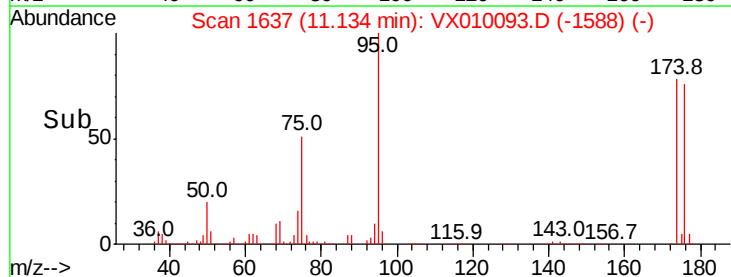
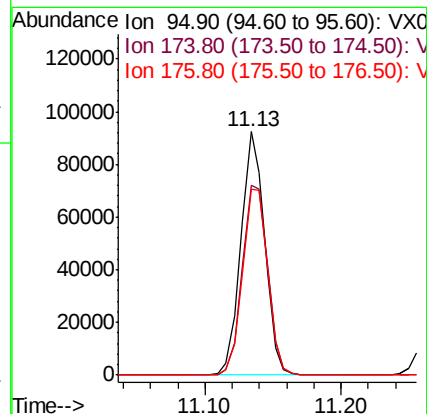
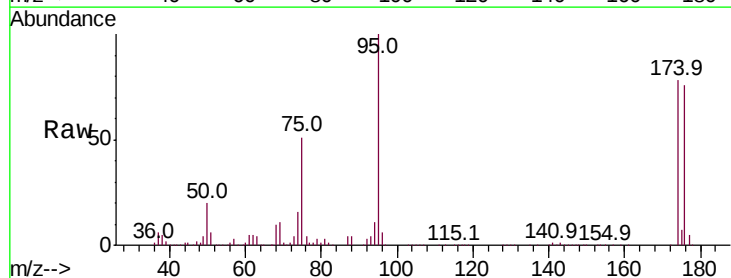
Tgt Ion: 95 Resp: 112291

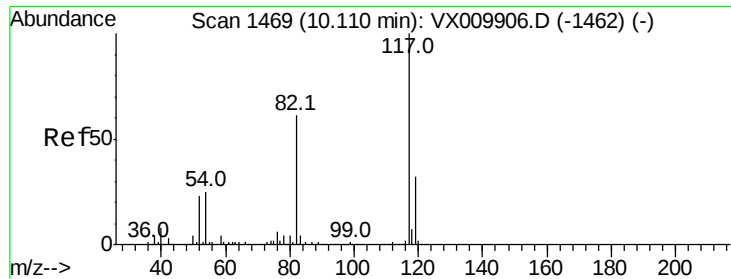
Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.4

176 81.2 0.0 154.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

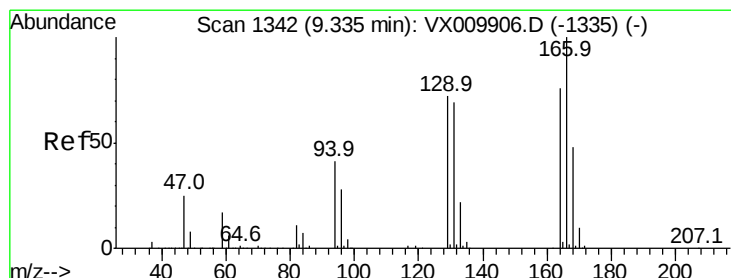
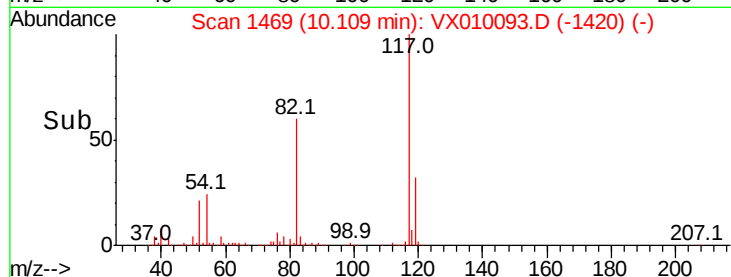
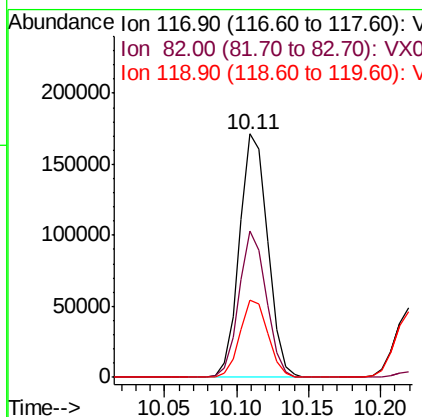
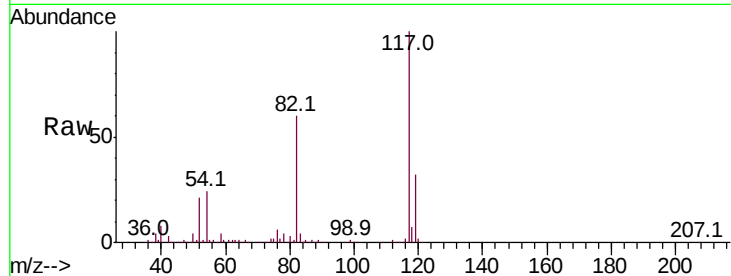
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	233611
Ion Ratio	Lower	Upper	
117	100		
82	59.8	49.2	73.8
119	31.9	25.2	37.8

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#64

Tetrachloroethene

Concen: 55.545 ug/l

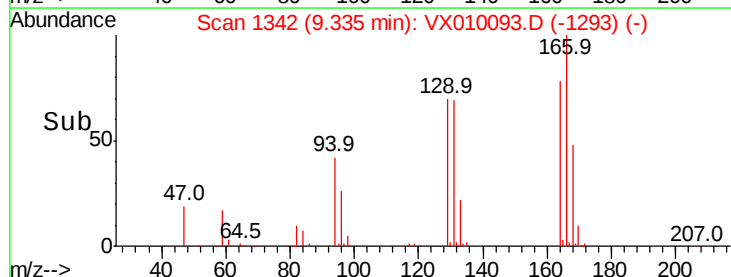
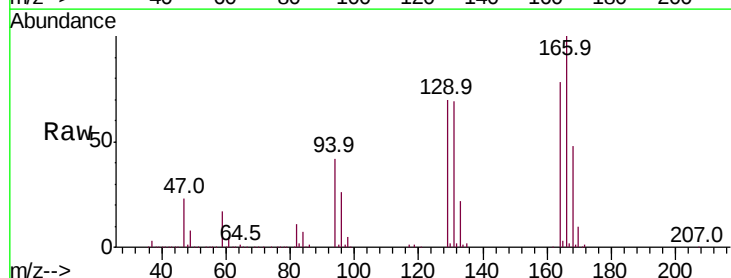
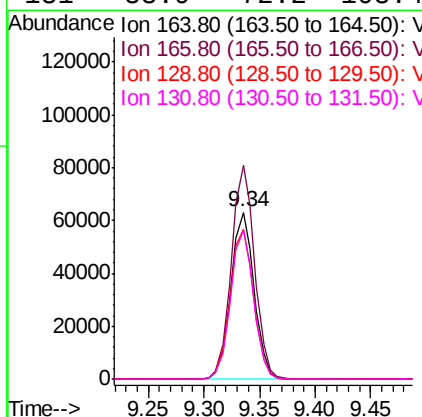
RT: 9.34 min Scan# 1342

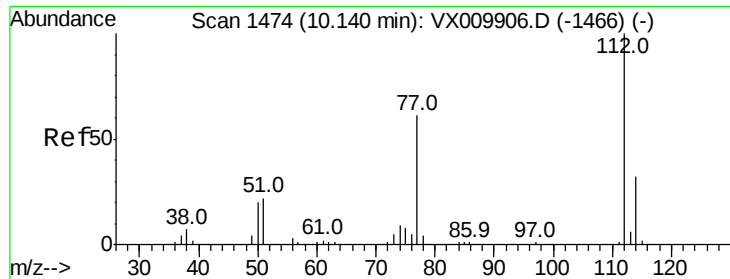
Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Tgt Ion:	164	Resp:	90636
Ion Ratio	Lower	Upper	
164	100		
166	128.2	105.0	157.4
129	90.1	75.1	112.7
131	88.9	72.2	108.4





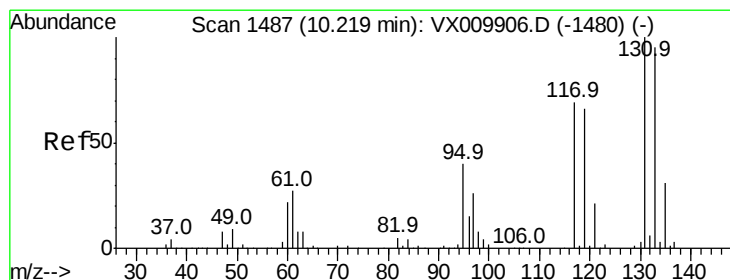
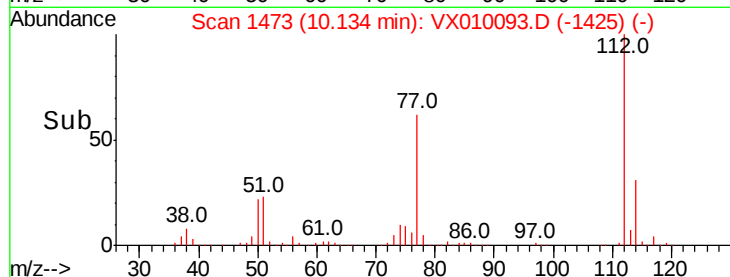
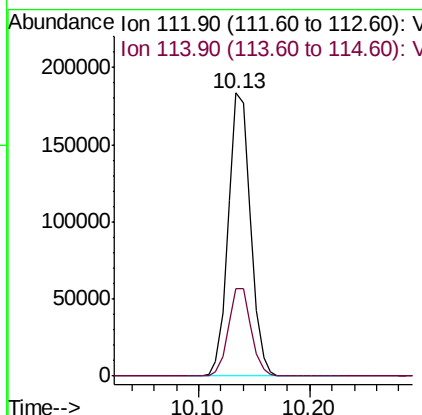
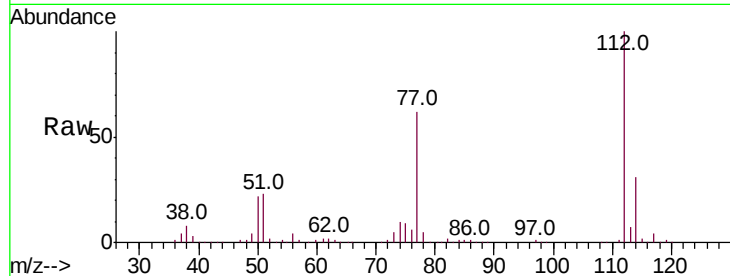
#65
Chlorobenzene
Concen: 51.710 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 252895
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.8

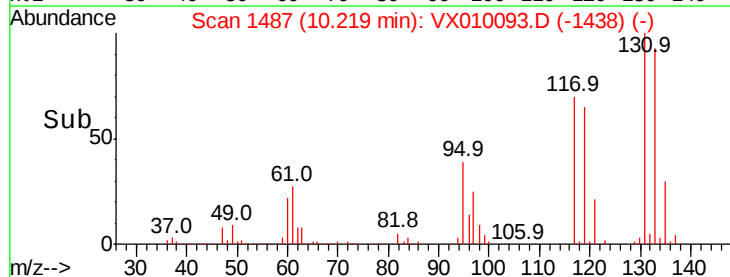
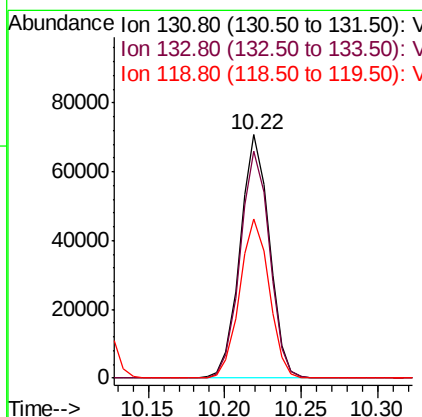
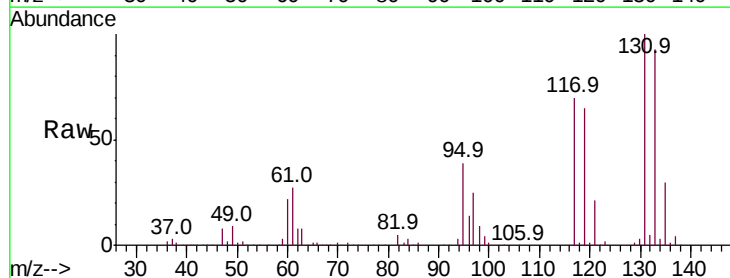
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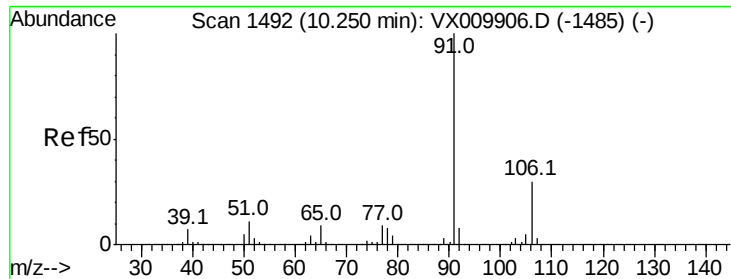
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.376 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion:131 Resp: 93934
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 66.0 33.4 100.1





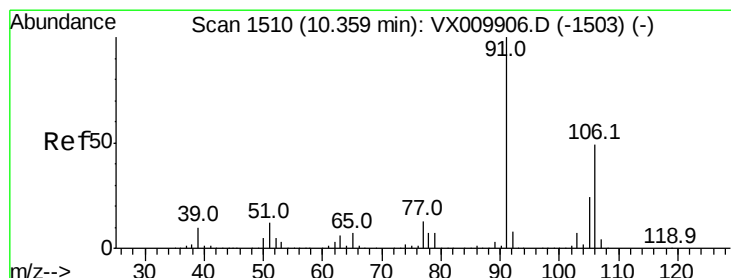
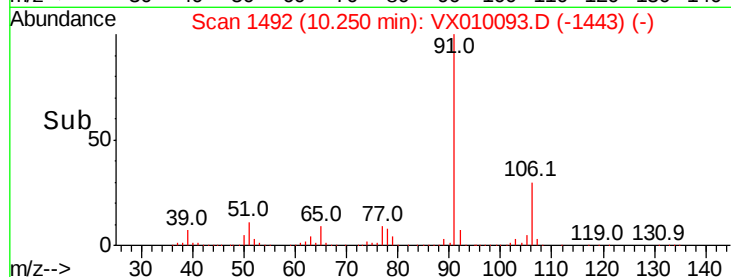
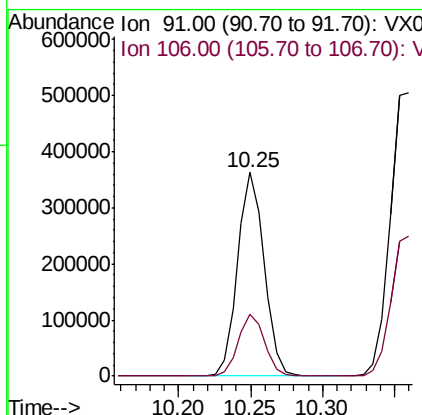
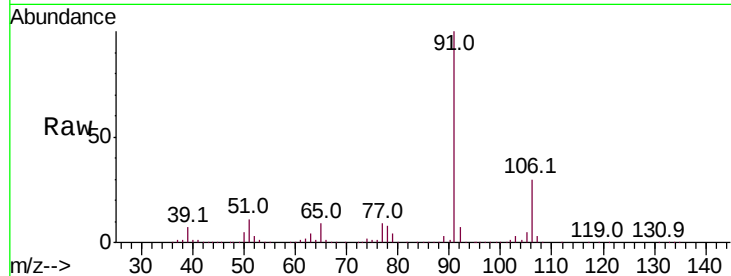
#67
Ethyl Benzene
Concen: 53.004 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 465445
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9

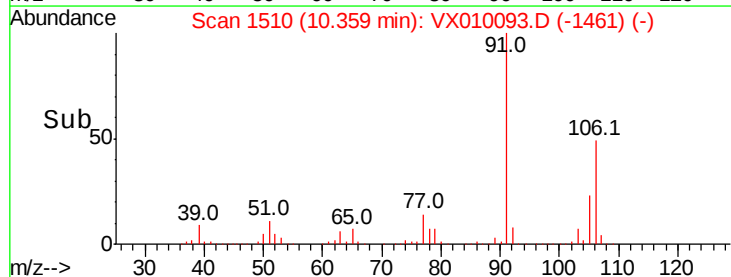
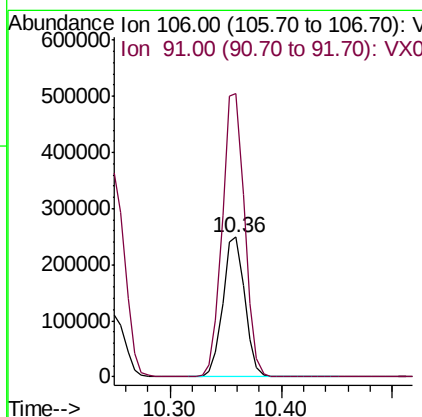
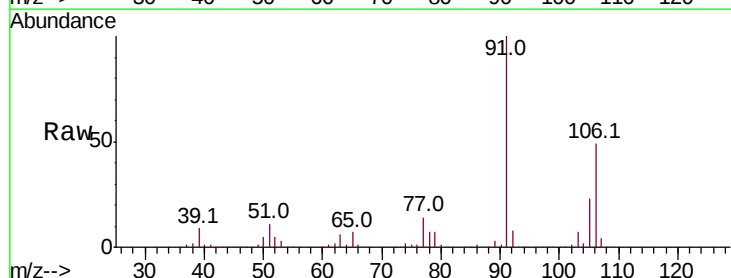
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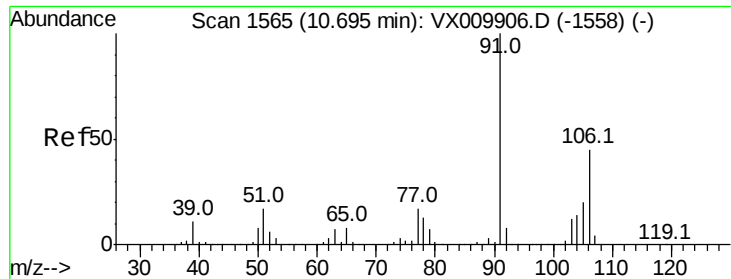
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#68
m/p-Xylenes
Concen: 104.439 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion: 106 Resp: 338811
Ion Ratio Lower Upper
106 100
91 207.4 167.3 250.9





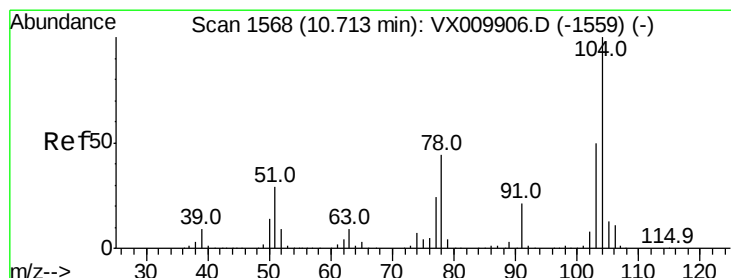
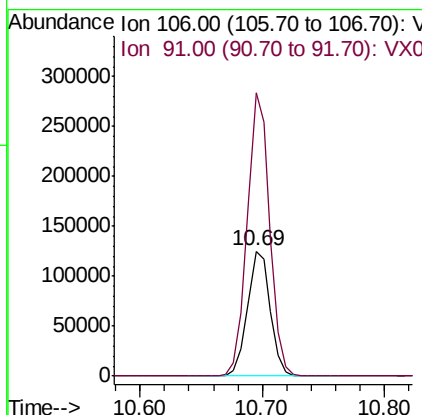
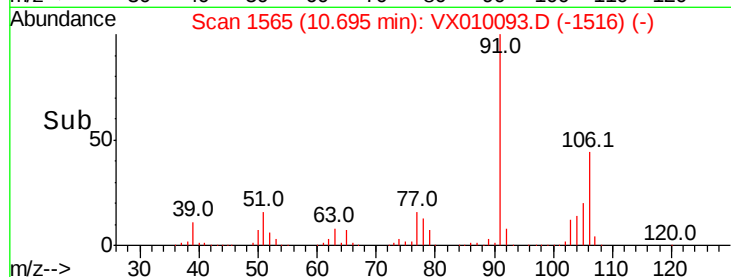
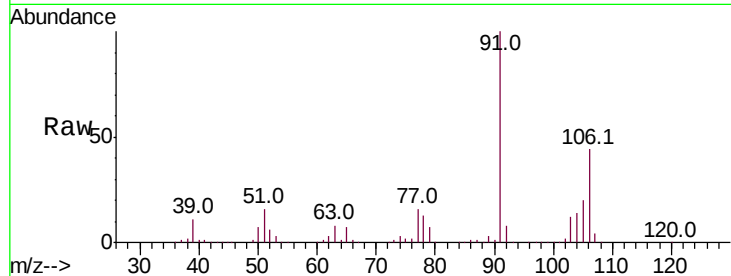
#69
o-Xylene
Concen: 52.433 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 163133
Ion Ratio Lower Upper
106 100
91 221.6 110.4 331.2

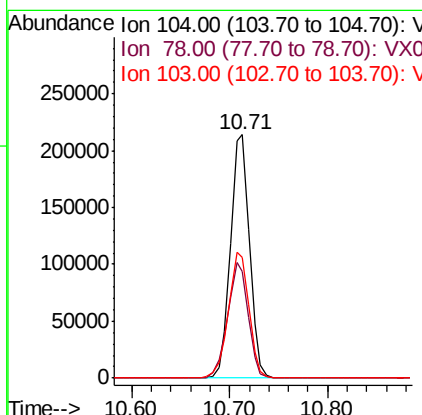
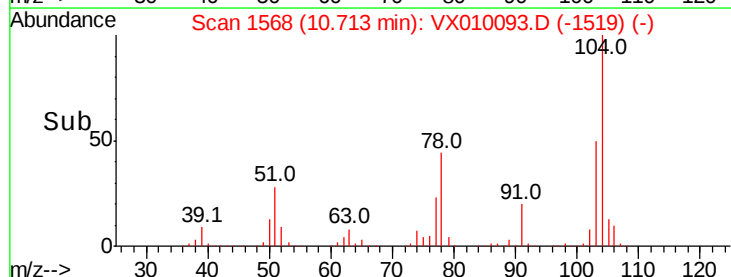
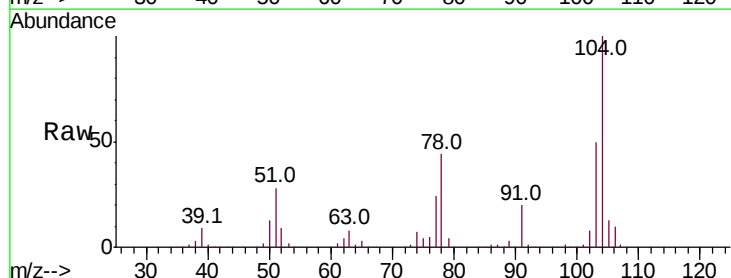
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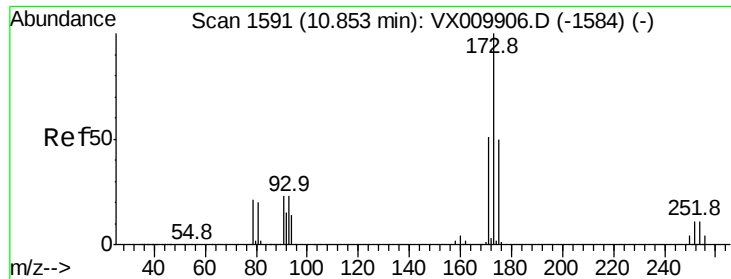
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#70
Styrene
Concen: 52.986 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion:104 Resp: 289072
Ion Ratio Lower Upper
104 100
78 51.2 42.1 63.1
103 55.6 44.1 66.1





#71

Bromoform

Concen: 54.801 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 75985

Ion Ratio Lower Upper

173 100

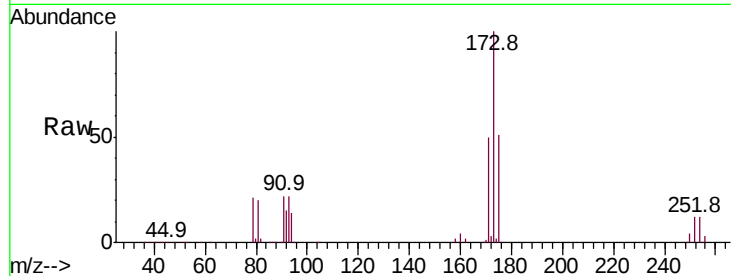
175 50.2 25.0 75.0

254 0.2 0.2 0.2

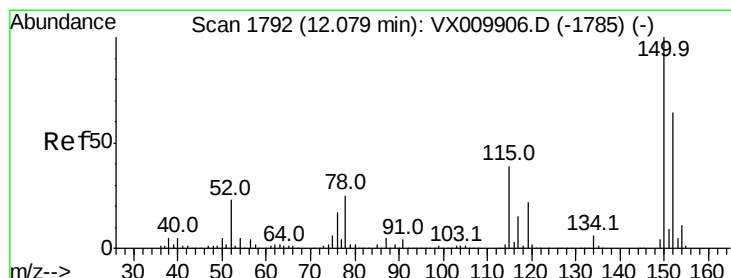
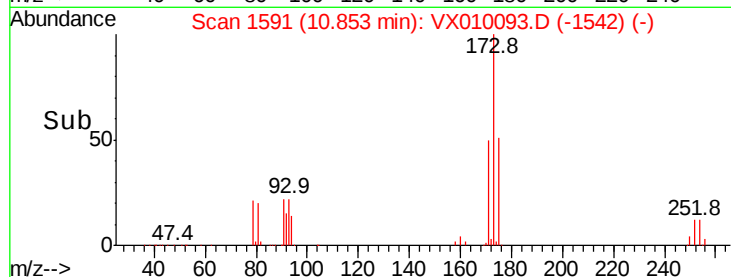
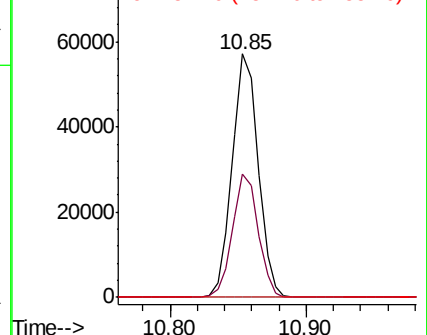
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

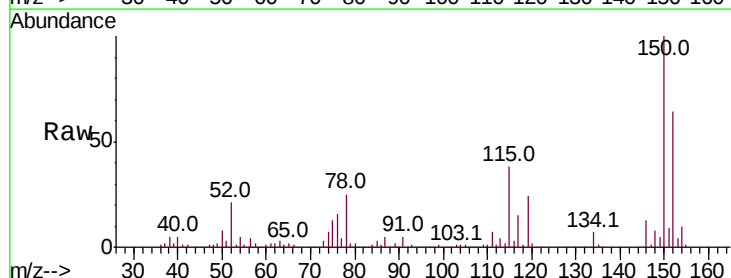
Tgt Ion:152 Resp: 110909

Ion Ratio Lower Upper

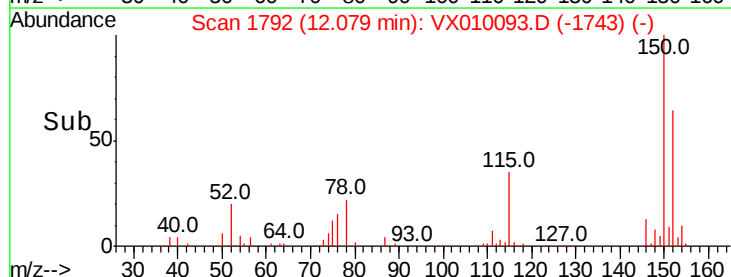
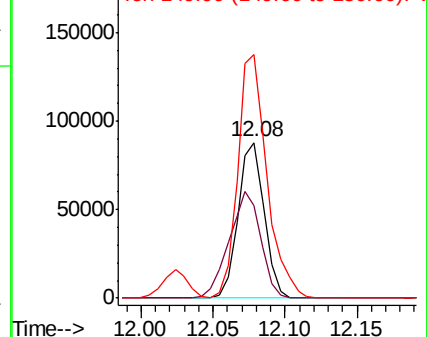
152 100

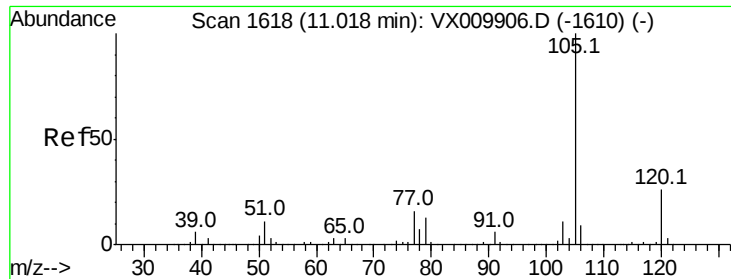
115 83.3 41.4 124.2

150 175.0 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.899 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 441059

Ion Ratio Lower Upper

105 100

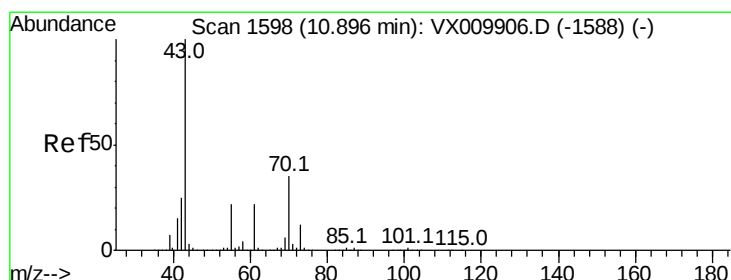
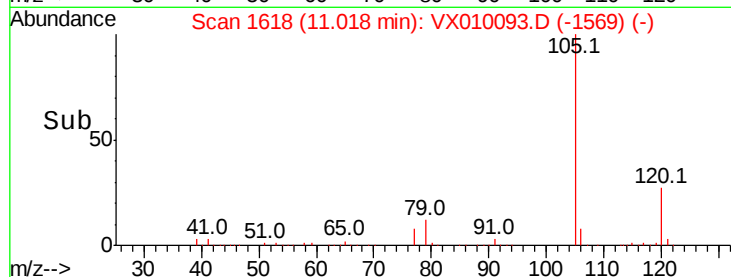
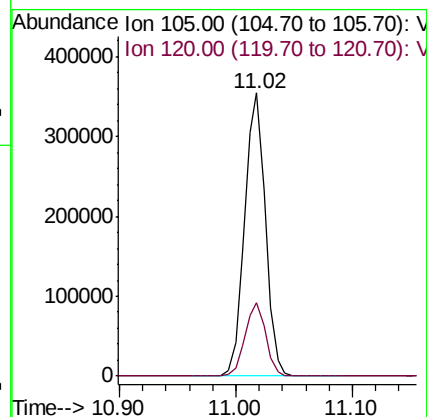
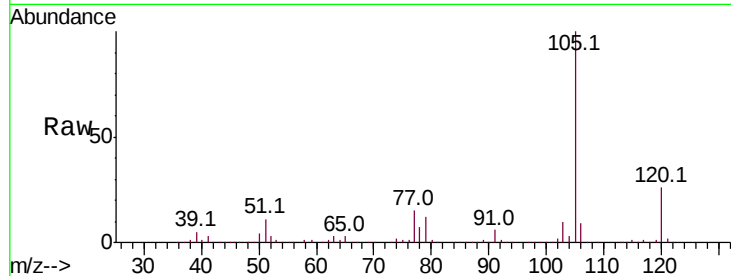
120 25.7 12.8 38.4

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#74

N-ethyl acetate

Concen: 51.187 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Tgt Ion: 43 Resp: 250299

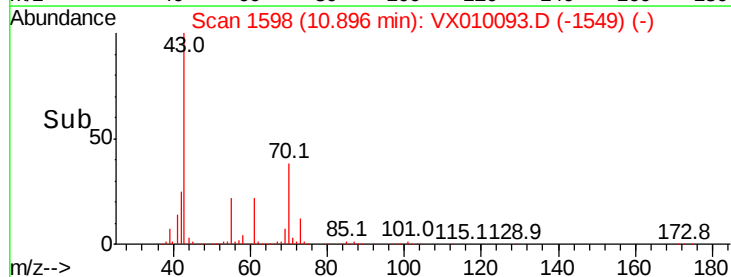
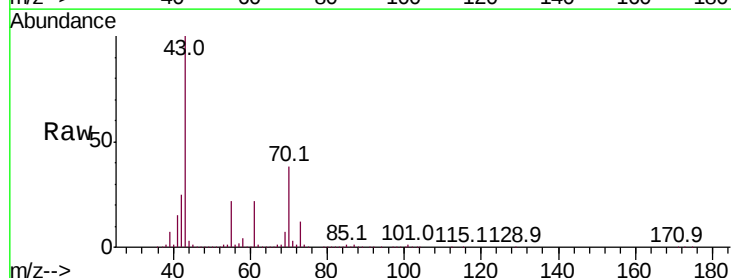
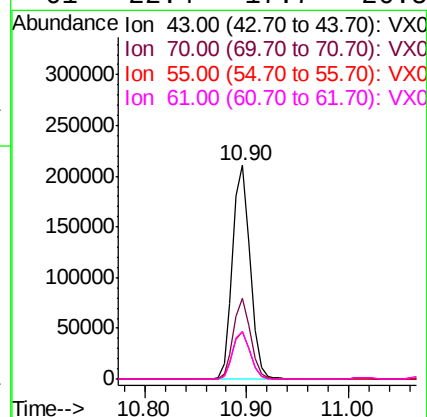
Ion Ratio Lower Upper

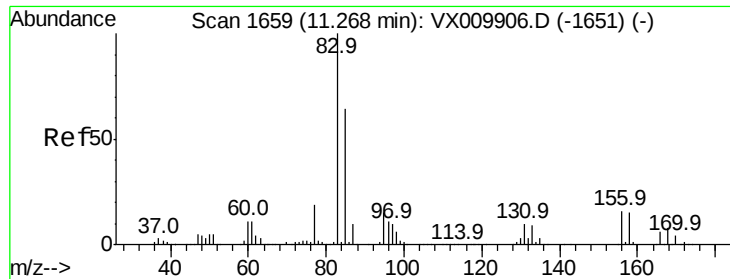
43 100

70 36.9 28.6 43.0

55 22.3 17.8 26.8

61 22.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.182 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

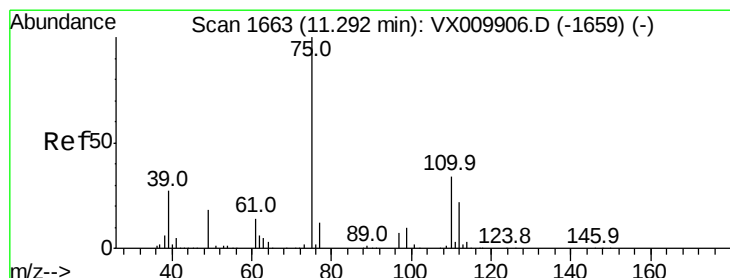
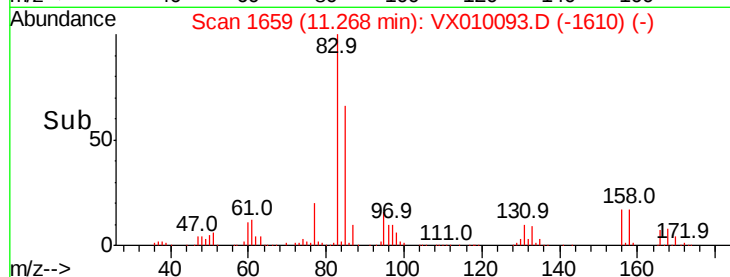
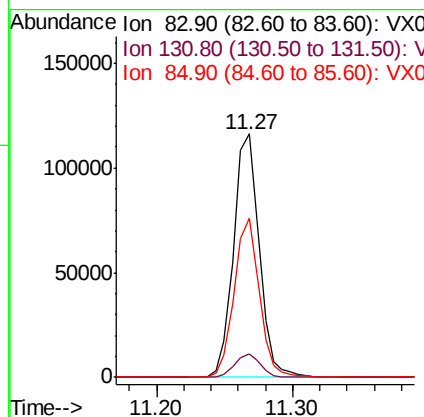
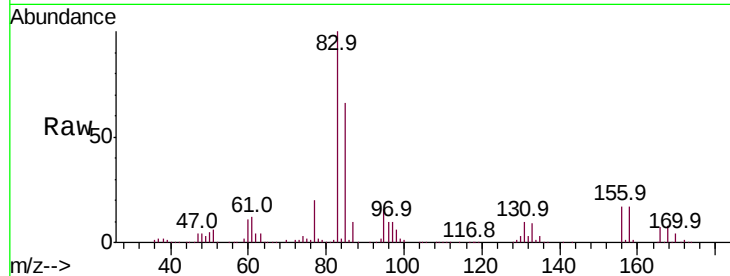
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	153201
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	64.3	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 50.951 ug/l m

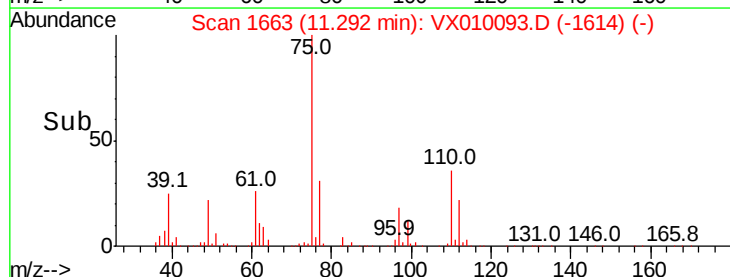
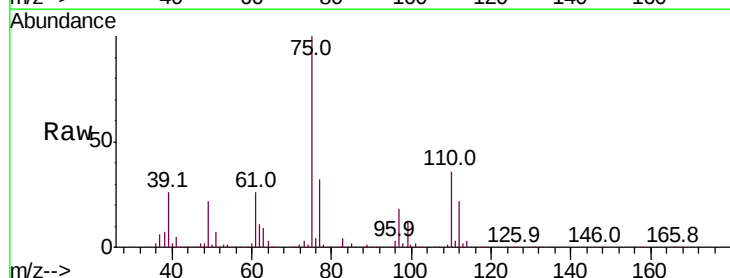
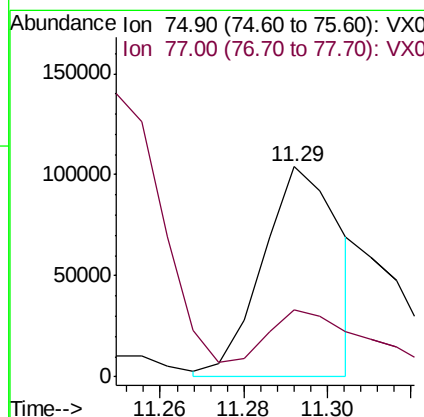
RT: 11.29 min Scan# 1663

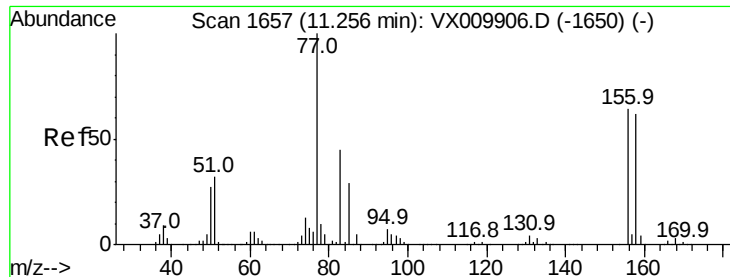
Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Tgt Ion:	75	Resp:	135131
Ion Ratio	Lower	Upper	
75	100		
77	43.5	22.1	66.1





#77

Bromobenzene

Concen: 52.845 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

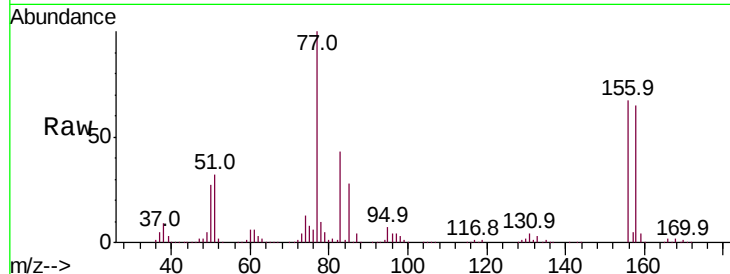
ClientSampleId :

VSTDCCC050

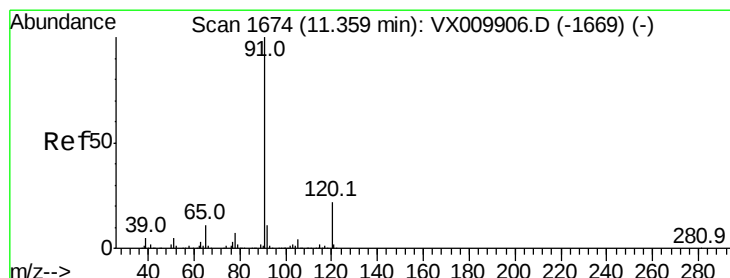
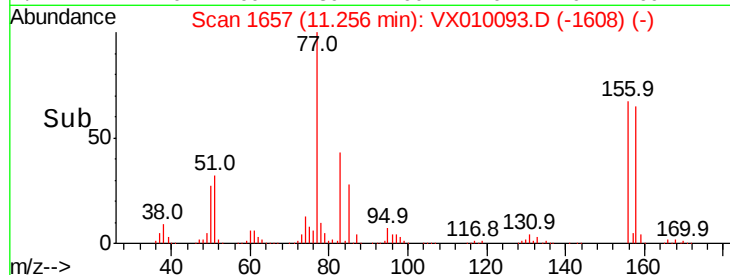
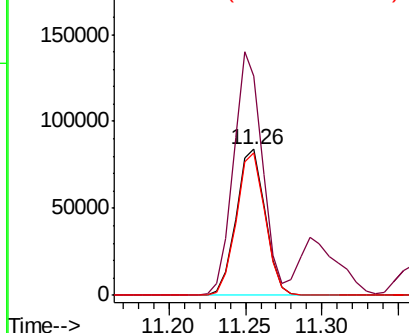
Tot Ion:	156	Resp:	110204
Ion Ratio	Lower	Upper	
156	100		
77	165.0	86.8	260.3
158	96.7	49.6	148.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.627 ug/l

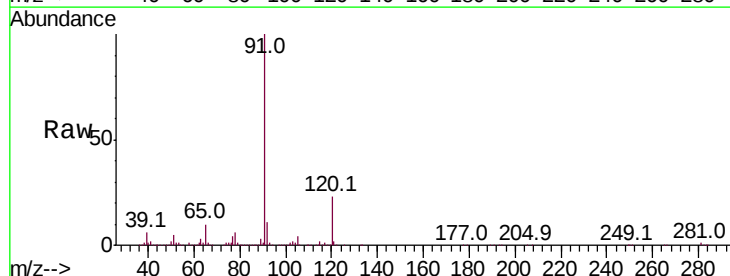
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

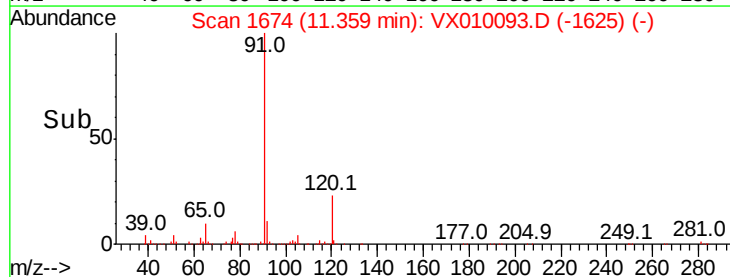
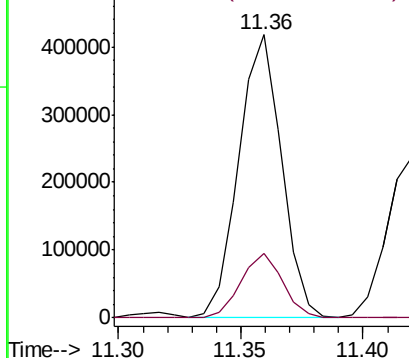
Lab File: VX010093.D

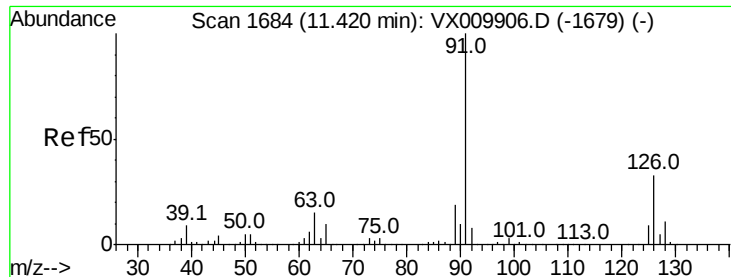
Acq: 05 Jun 2019 22:18

Tgt Ion:	91	Resp:	505833
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.178 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 300697

Ion Ratio Lower Upper

91 100

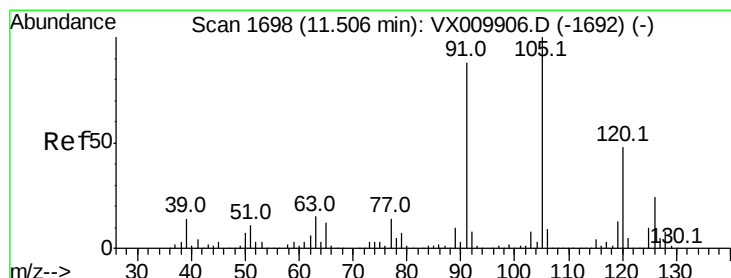
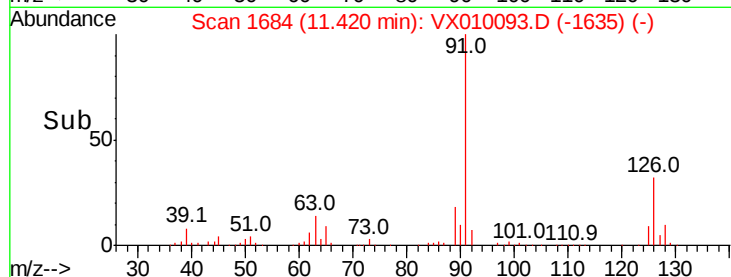
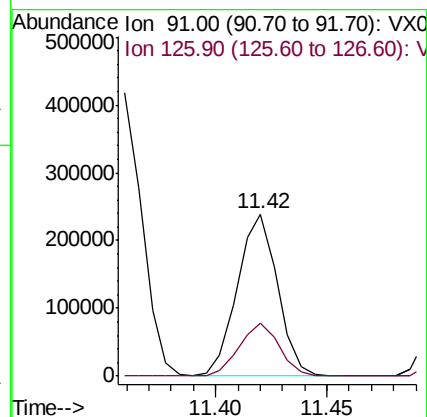
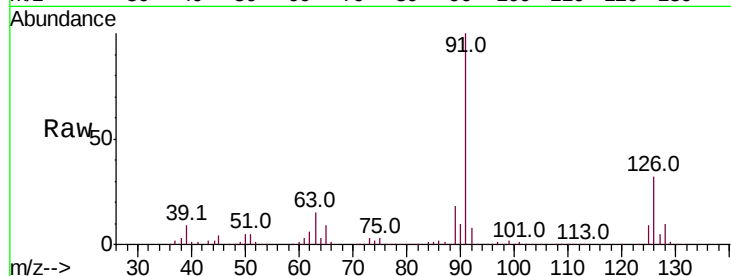
126 32.4 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 53.875 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010093.D

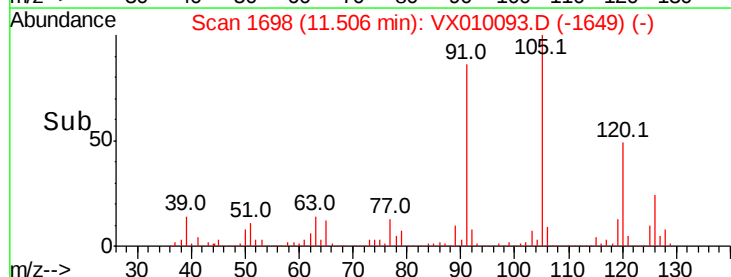
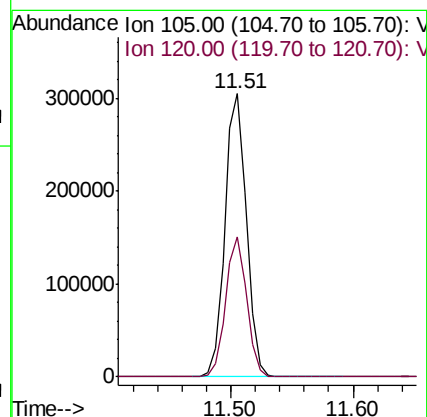
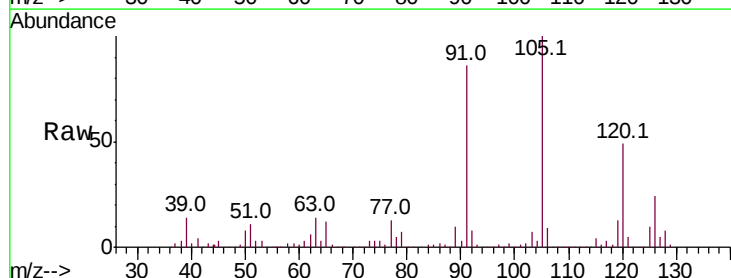
Acq: 05 Jun 2019 22:18

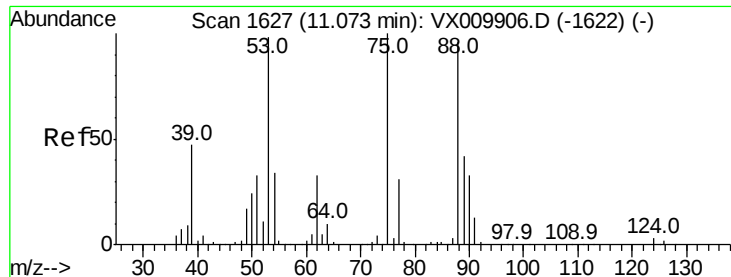
Tgt Ion: 105 Resp: 371411

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.3





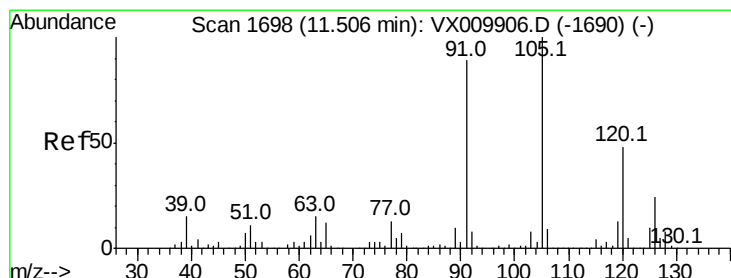
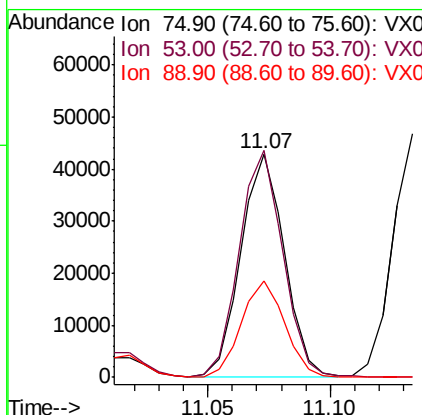
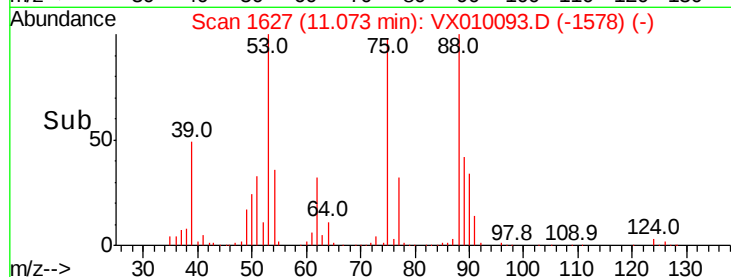
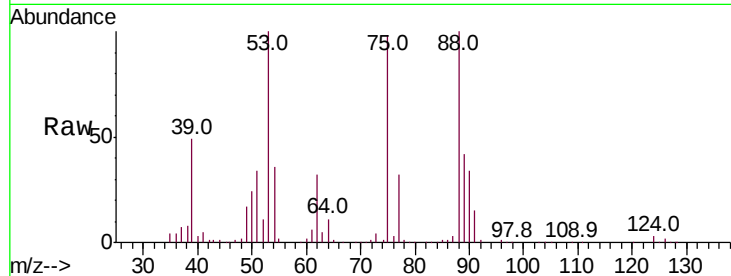
#81
trans-1,4-Dichloro-2-butene
Concen: 49.168 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.9	79.8	119.6
89	43.6	34.2	51.4

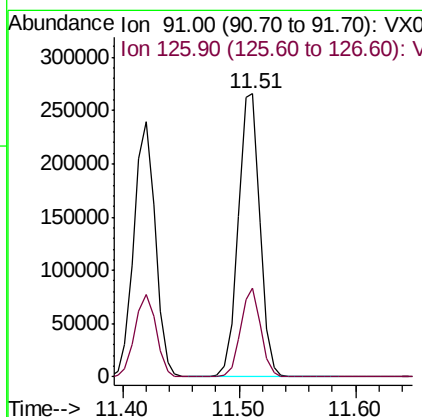
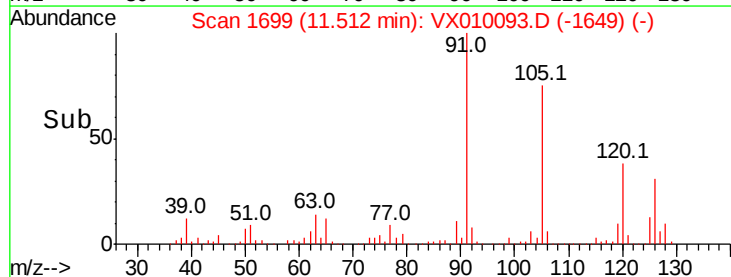
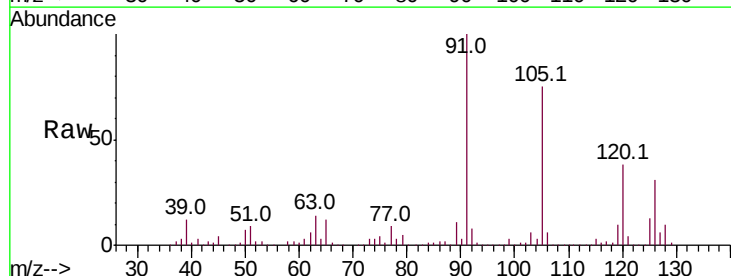
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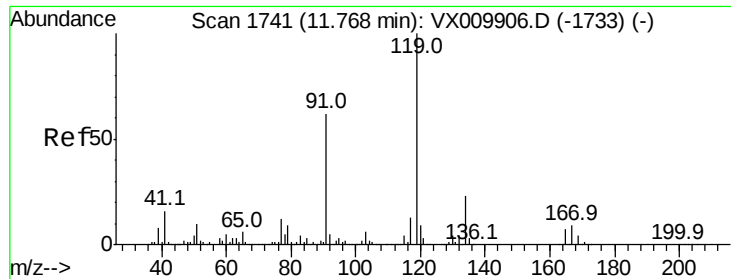
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#82
4-Chlorotoluene
Concen: 51.390 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.2	42.6





#83

tert-Butylbenzene

Concen: 53.724 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

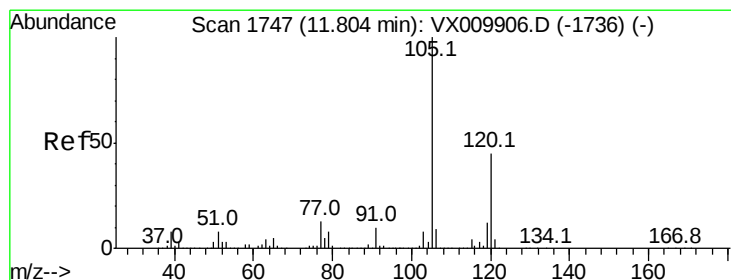
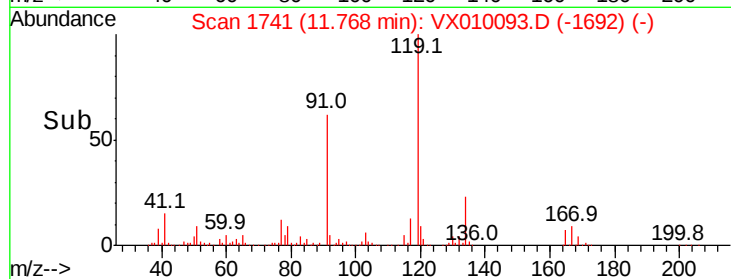
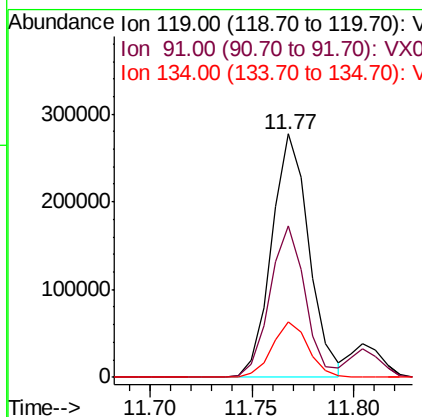
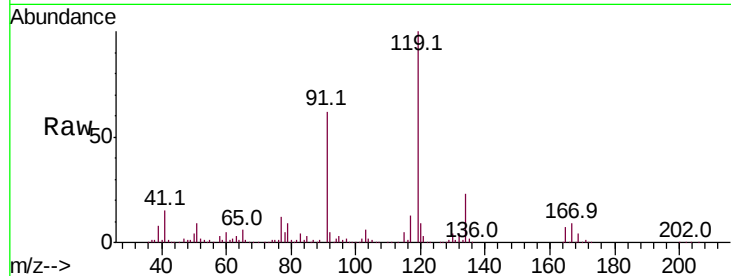
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	354338
Ion Ratio	Lower	Upper	
119	100		
91	59.1	30.0	90.0
134	22.1	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 53.429 ug/l

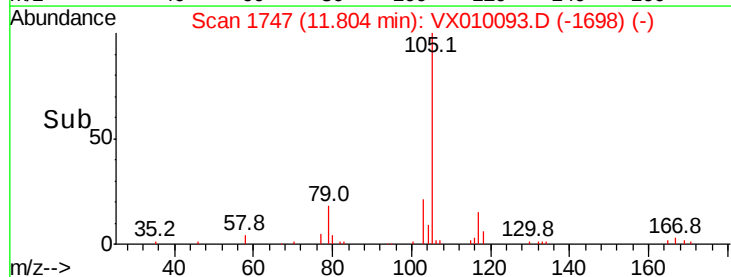
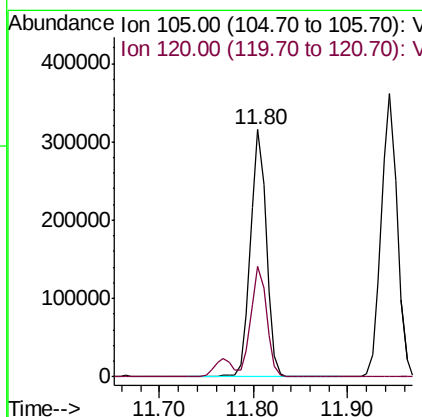
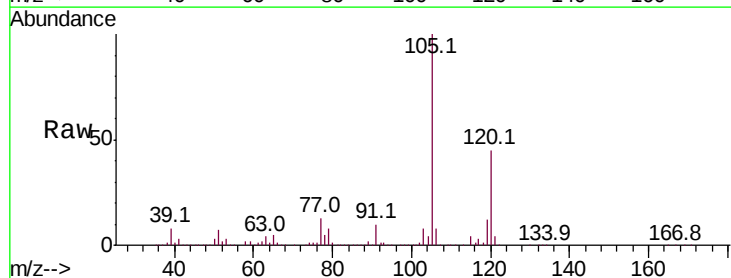
RT: 11.80 min Scan# 1747

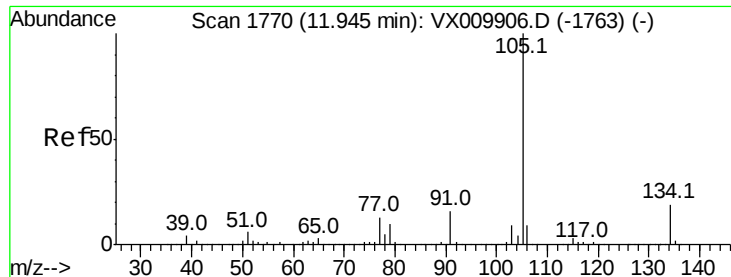
Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Tgt Ion:	105	Resp:	374066
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.1	66.1





#85

sec-Butylbenzene

Concen: 54.342 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 426393

Ion Ratio Lower Upper

105 100

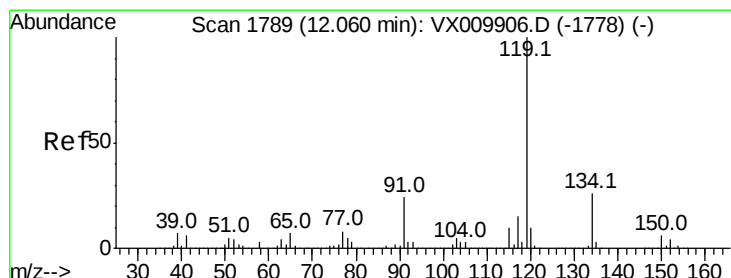
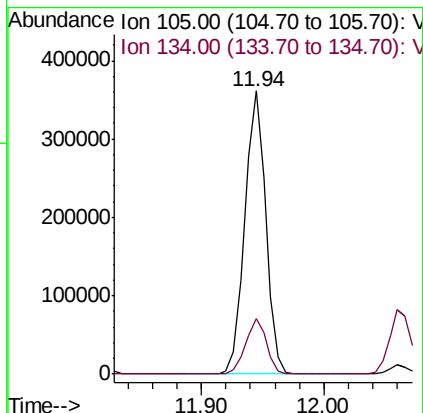
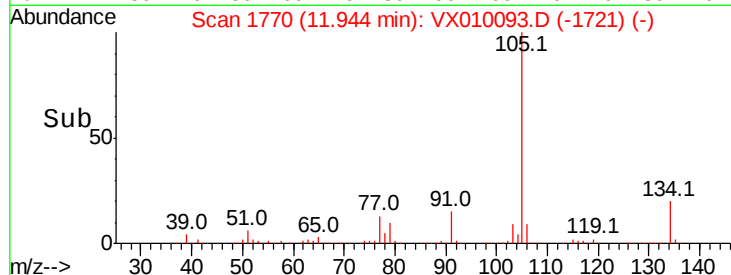
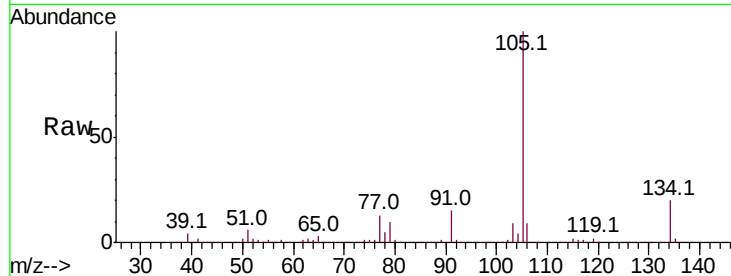
134 19.5 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 55.353 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

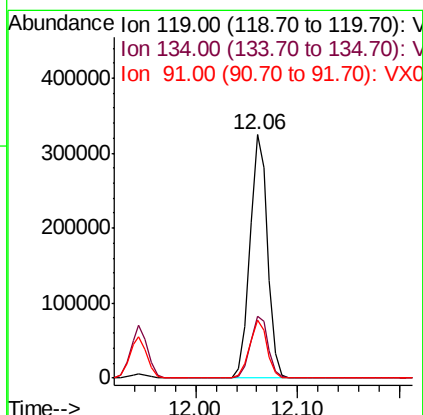
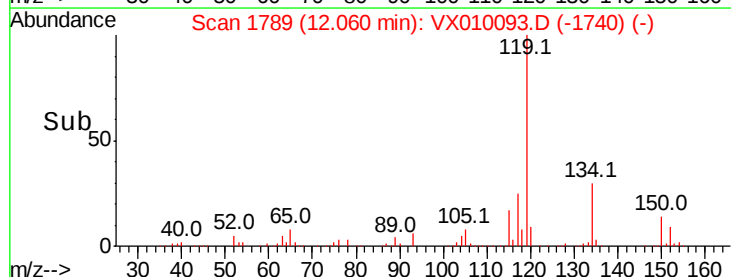
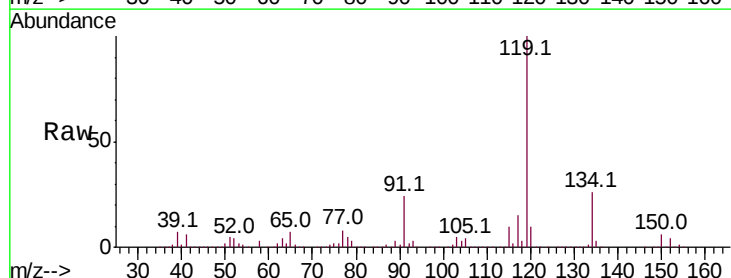
Tgt Ion:119 Resp: 390661

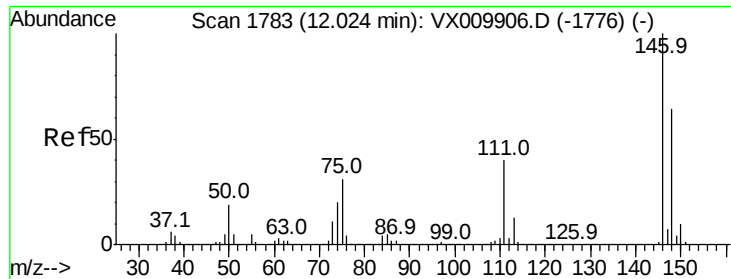
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 23.4 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 51.891 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

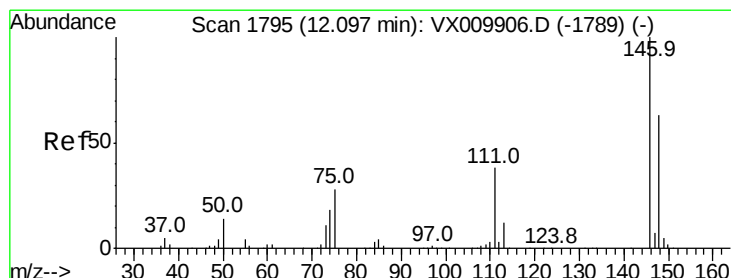
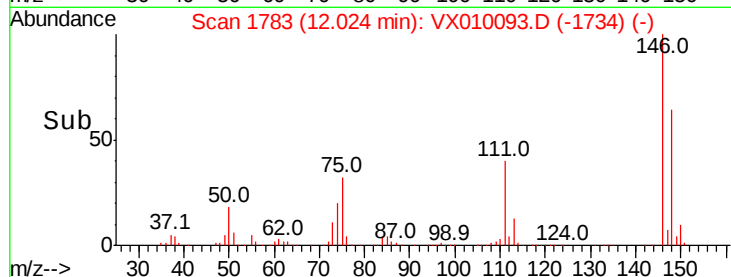
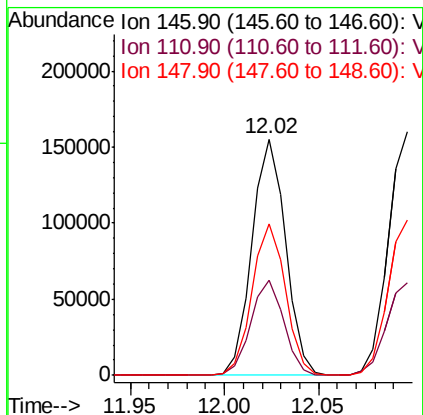
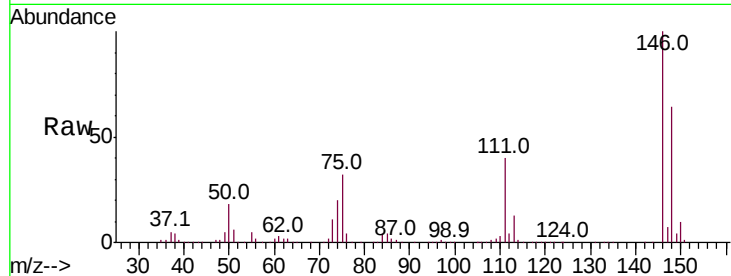
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	192659
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.1	60.2
148	63.4	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 51.026 ug/l

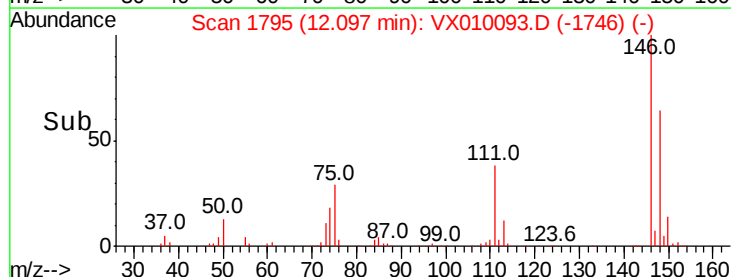
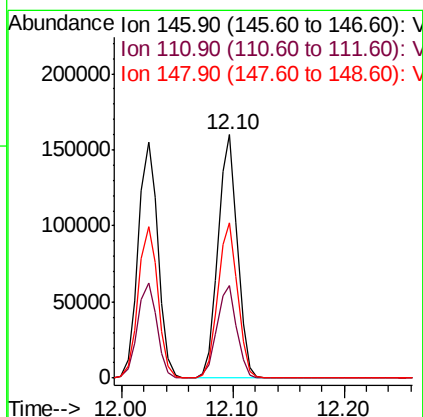
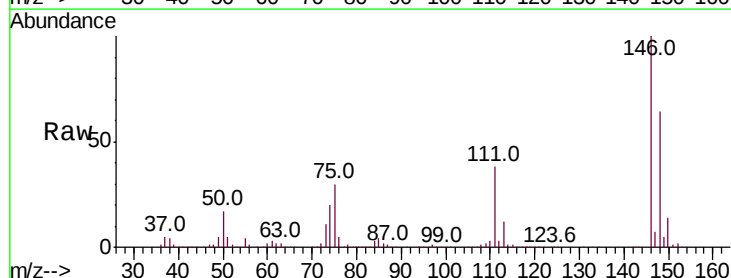
RT: 12.10 min Scan# 1795

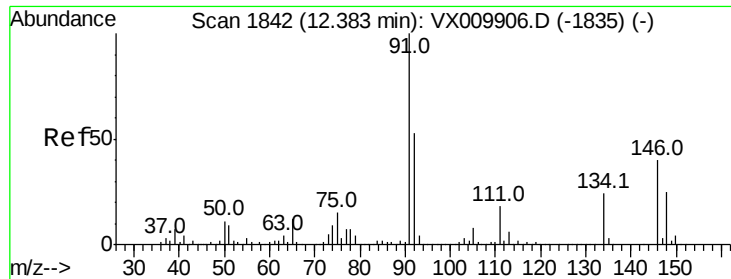
Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Tgt Ion:	146	Resp:	193205
Ion Ratio	Lower	Upper	
146	100		
111	38.9	20.0	59.9
148	64.4	32.3	96.9





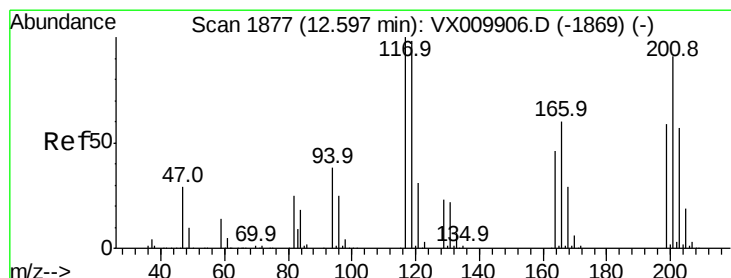
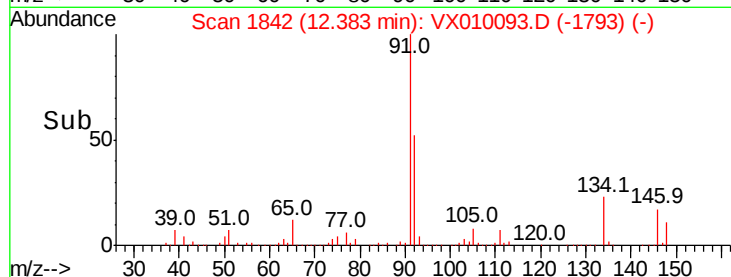
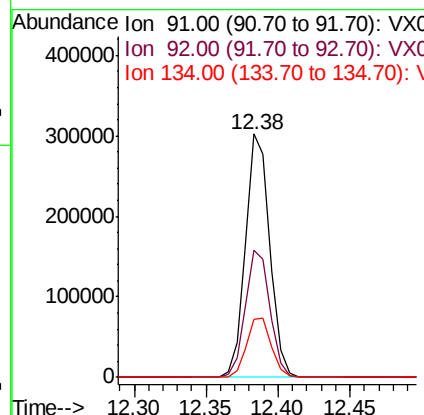
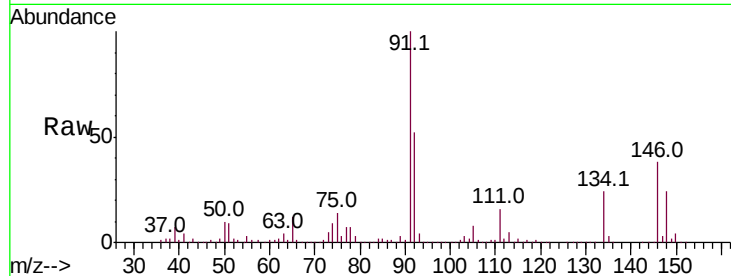
#89
n-Butylbenzene
Concen: 53.079 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.8
134	25.0	12.3	36.8

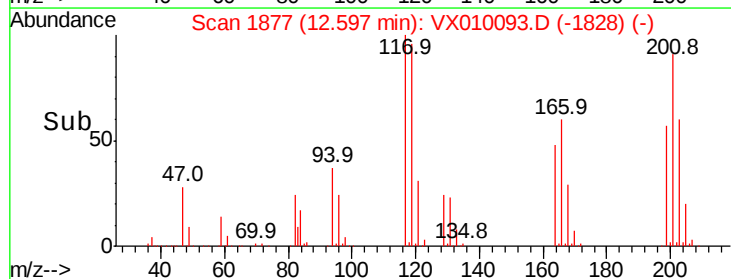
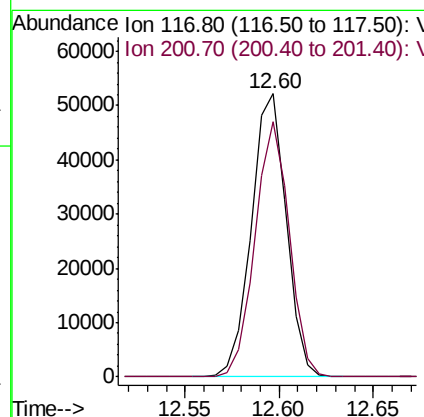
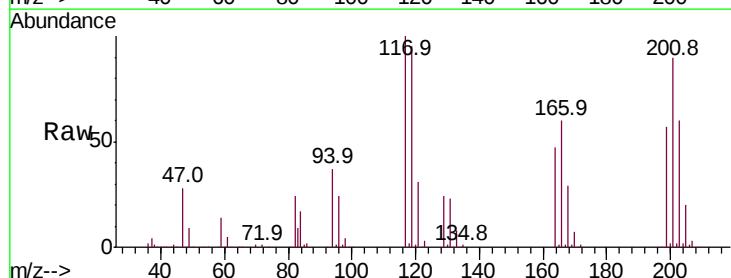
Manual Integrations
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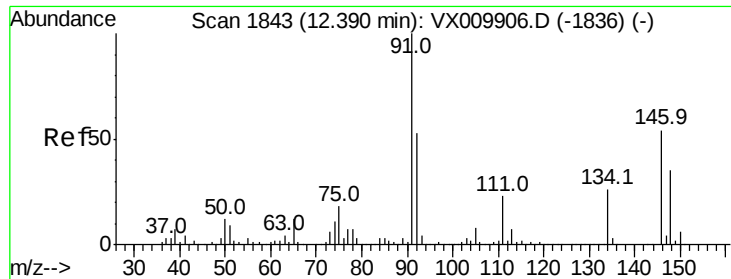
MMDadoda
6/6/2019 10:11:56 AM



#90
Hexachloroethane
Concen: 55.118 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 51.590 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Instrument :

MSVOA_X

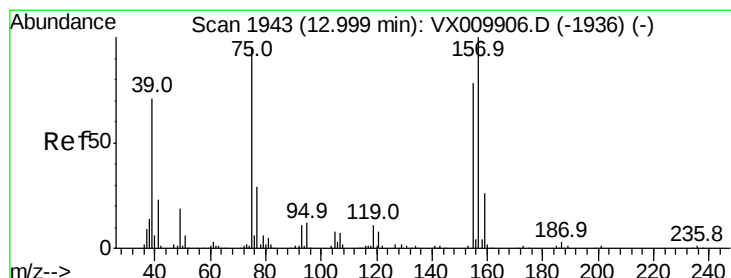
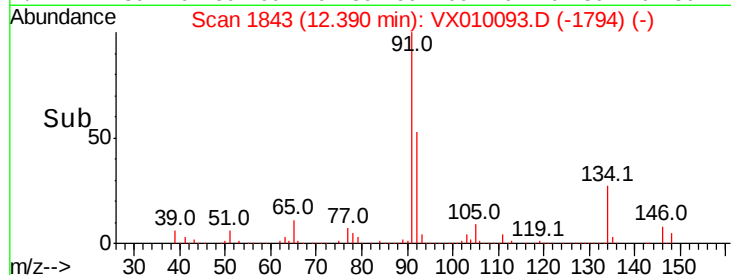
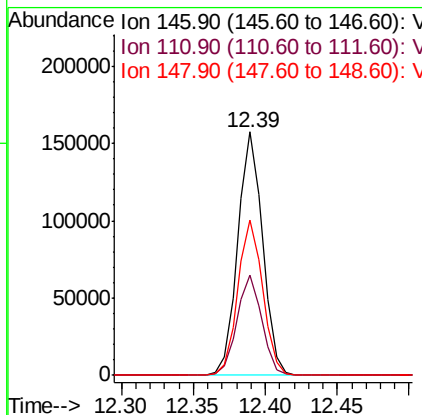
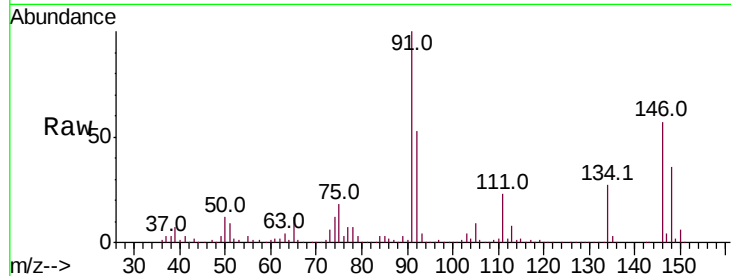
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	188845
Ion Ratio	Lower	Upper	
146	100		
111	41.3	21.1	63.1
148	64.1	32.3	96.8

Manual Integrations
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6/6/2019 10:11:56 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.081 ug/l

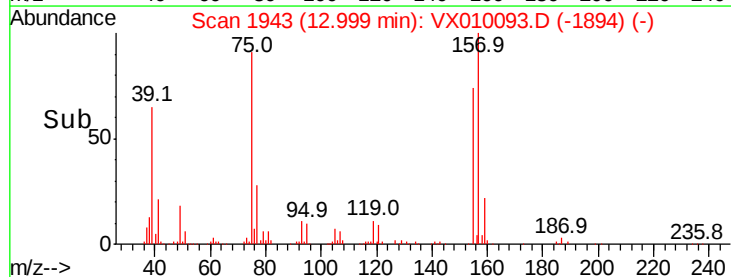
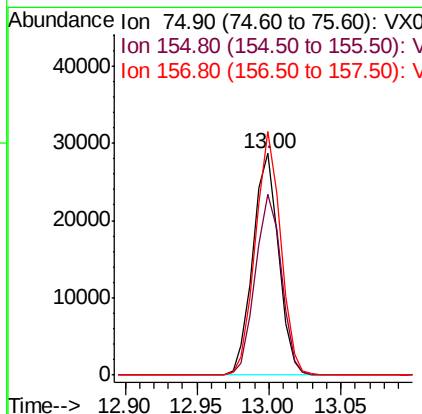
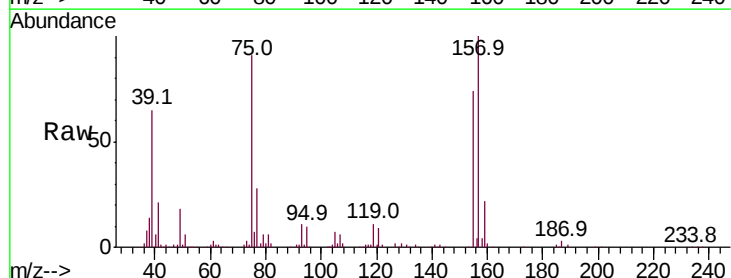
RT: 13.00 min Scan# 1943

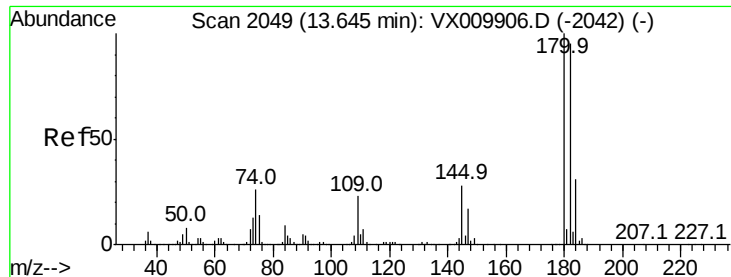
Delta R.T. -0.00 min

Lab File: VX010093.D

Acq: 05 Jun 2019 22:18

Tgt Ion:	75	Resp:	35270
Ion Ratio	Lower	Upper	
75	100		
155	82.7	39.3	117.8
157	107.7	50.6	151.8





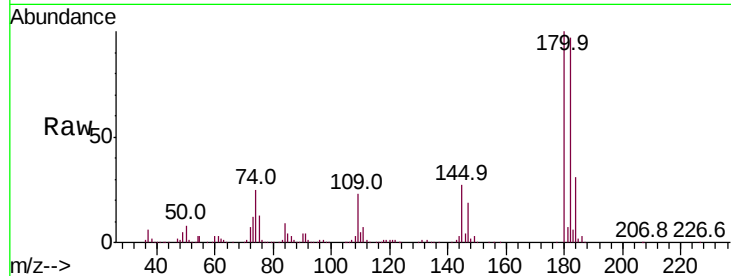
#93
1,2,4-Trichlorobenzene
Concen: 52.766 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	138030		
182	96.2	47.4	142.2	
145	28.7	14.5	43.5	

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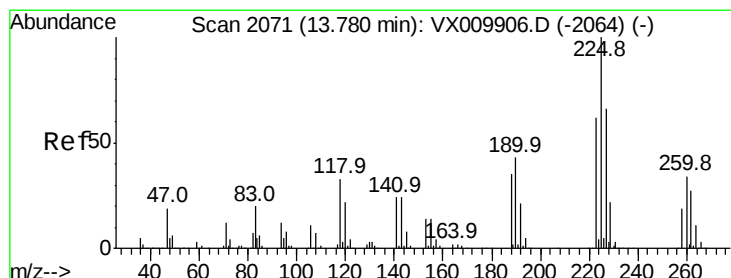
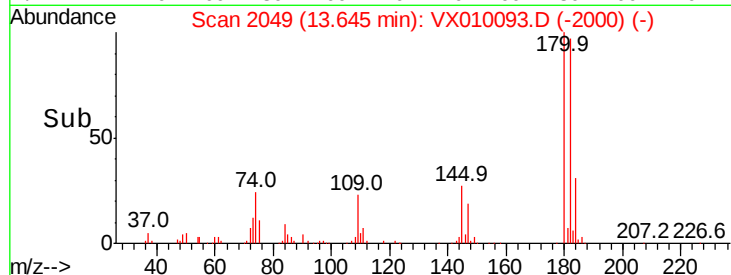
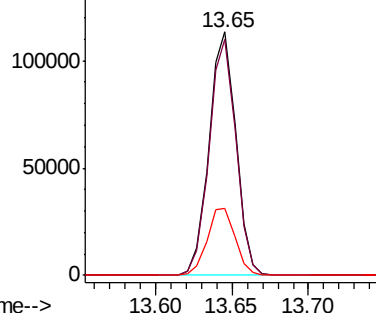


Abundance

Ion 179.80 (179.50 to 180.50): V

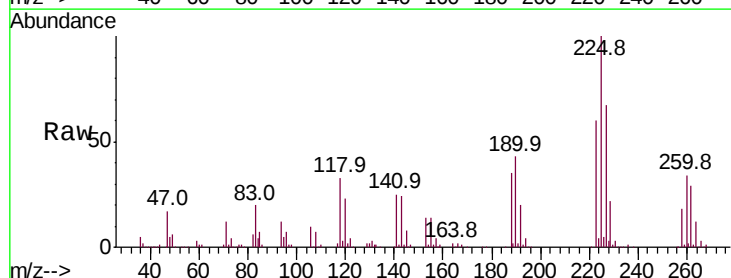
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 48.777 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63999		
223	63.0	31.3	93.8	
227	65.3	32.3	96.8	

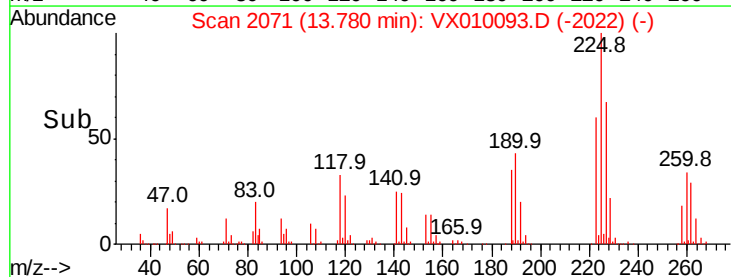
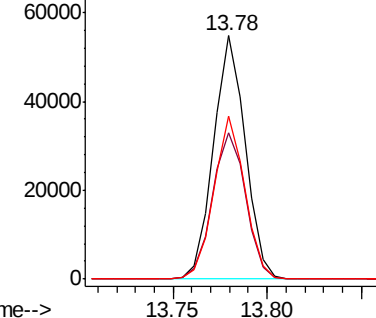


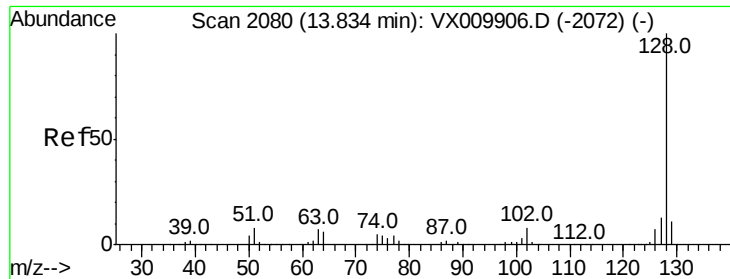
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





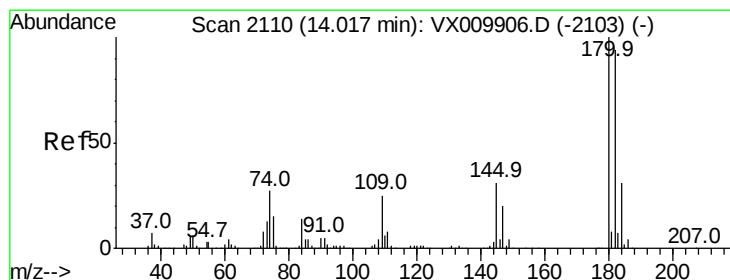
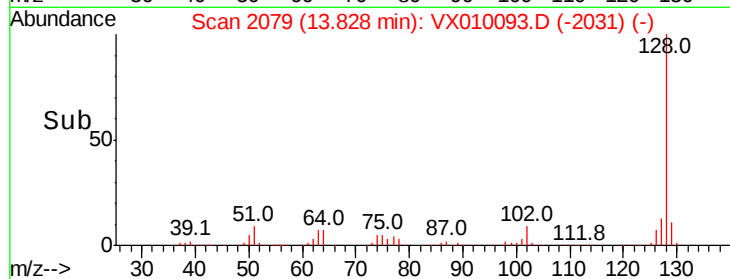
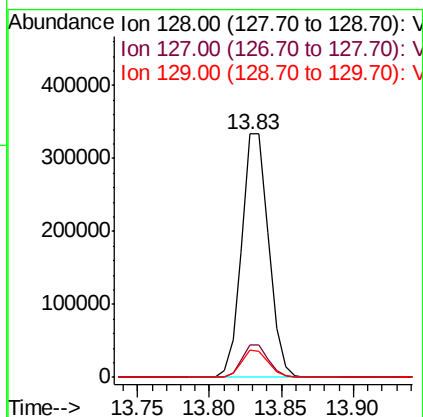
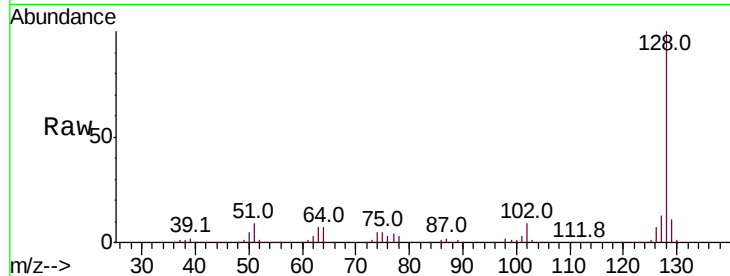
#95
Naphthalene
Concen: 53.227 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 52.703 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010093.D
Acq: 05 Jun 2019 22:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	142.0
145	29.5	15.6	46.7

