

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051519\
 Data File : VX009593.D
 Acq On : 15 May 2019 20:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 12:32:53 PM

Quant Time: May 16 02:31:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	147775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	238714	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	219267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	96580	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	5.50	113	72213	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.71	98	281421	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
62) 4-Bromofluorobenzene	11.13	95	106960	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59511	43.701	ug/l	100
3) Chloromethane	1.32	50	93878	50.495	ug/l	99
4) Vinyl Chloride	1.41	62	90812	50.091	ug/l	99
5) Bromomethane	1.64	94	56232	51.677	ug/l	95
6) Chloroethane	1.71	64	58931	50.630	ug/l	99
7) Trichlorofluoromethane	1.92	101	113143	51.342	ug/l	98
8) Diethyl Ether	2.19	74	53782	51.523	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	68406	49.431	ug/l	99
10) Methyl Iodide	2.51	142	86827	53.633	ug/l	100
11) Tert butyl alcohol	3.06	59	133882	286.712	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70635	50.943	ug/l	98
13) Acrolein	2.29	56	86961	205.635	ug/l	99
14) Allyl chloride	2.73	41	170637	50.499	ug/l	99
15) Acrylonitrile	3.14	53	313140	274.265	ug/l	99
16) Acetone	2.45	43	277200	255.905	ug/l	99
17) Carbon Disulfide	2.56	76	189878	48.776	ug/l	100
18) Methyl Acetate	2.78	43	145159	56.348	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	286432	53.197	ug/l	100
20) Methylene Chloride	2.85	84	87792	50.056	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	77323	51.421	ug/l	99
22) Diisopropyl ether	3.85	45	342611	52.723	ug/l	96
23) Vinyl Acetate	3.82	43	1549222	278.408	ug/l	100
24) 1,1-Dichloroethane	3.70	63	165091	51.499	ug/l	99
25) 2-Butanone	4.68	43	467321	277.625	ug/l	99
26) 2,2-Dichloropropane	4.58	77	110145	46.161	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	91842	51.169	ug/l	99
28) Bromochloromethane	5.02	49	59228	45.659	ug/l	98
29) Tetrahydrofuran	5.13	42	308643	284.940	ug/l	99
30) Chloroform	5.21	83	151299	52.184	ug/l	97
31) Cyclohexane	5.58	56	152003	50.966	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	125284	51.908	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114496	51.612	ug/l	99
37) Ethyl Acetate	4.84	43	172202	55.713	ug/l	99
38) Carbon Tetrachloride	5.79	117	103719	51.459	ug/l	98

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Quant Time: May 16 02:31:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	135882	49.876	ug/l	100
40) Benzene	6.14	78	356009	51.854	ug/l	98
41) Methacrylonitrile	5.04	41	98613	53.597	ug/l	99
42) 1,2-Dichloroethane	6.19	62	130997	53.190	ug/l	99
43) Isopropyl Acetate	6.45	43	271875	54.990	ug/l	99
44) Trichloroethene	7.21	130	83928	50.566	ug/l	100
45) 1,2-Dichloropropane	7.51	63	101971	52.453	ug/l	100
46) Dibromomethane	7.66	93	59120	52.369	ug/l	100
47) Bromodichloromethane	7.90	83	118907	52.803	ug/l	98
48) Methyl methacrylate	7.77	41	138199	56.342	ug/l	99
49) 1,4-Dioxane	7.74	88	53974	1085.042	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	935977	289.639	ug/l	99
52) Toluene	8.79	92	217792	52.186	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	136958	53.869	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	148877	52.904	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	89427	52.523	ug/l	96
56) Ethyl methacrylate	9.18	69	167611	55.148	ug/l	98
57) 1,3-Dichloropropane	9.37	76	158069	52.756	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	390575	242.242	ug/l	100
59) 2-Hexanone	9.49	43	732745	288.709	ug/l	99
60) Dibromochloromethane	9.58	129	90287	54.294	ug/l	99
61) 1,2-Dibromoethane	9.67	107	91750	53.384	ug/l	100
64) Tetrachloroethene	9.34	164	74689	49.658	ug/l	97
65) Chlorobenzene	10.14	112	227664	51.903	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	83384	52.435	ug/l	100
67) Ethyl Benzene	10.25	91	420837	52.132	ug/l	98
68) m/p-Xylenes	10.36	106	311837	105.709	ug/l	99
69) o-Xylene	10.70	106	152038	52.237	ug/l	99
70) Styrene	10.71	104	271913	53.751	ug/l	99
71) Bromoform	10.85	173	71093	55.013	ug/l #	99
73) Isopropylbenzene	11.02	105	406814	50.160	ug/l	100
74) N-amyl acetate	10.90	43	256590	54.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	156268	51.686	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	133963m	51.781	ug/l	
77) Bromobenzene	11.26	156	104042	51.684	ug/l	97
78) n-propylbenzene	11.36	91	470492	50.795	ug/l	100
79) 2-Chlorotoluene	11.42	91	283931	49.686	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	347235	50.847	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51737	51.168	ug/l	97
82) 4-Chlorotoluene	11.51	91	326476	50.571	ug/l	100
83) tert-Butylbenzene	11.77	119	333338	50.177	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	351187	51.234	ug/l	100
85) sec-Butylbenzene	11.94	105	395501	50.216	ug/l	100
86) p-Isopropyltoluene	12.06	119	360174	50.868	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	182010	50.719	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	181031	50.037	ug/l	99
89) n-Butylbenzene	12.38	91	325701	50.894	ug/l	100
90) Hexachloroethane	12.60	117	61938	51.346	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	182973	50.059	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36567	53.914	ug/l	97

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ClientSampleId :
VSTDCCC050EC

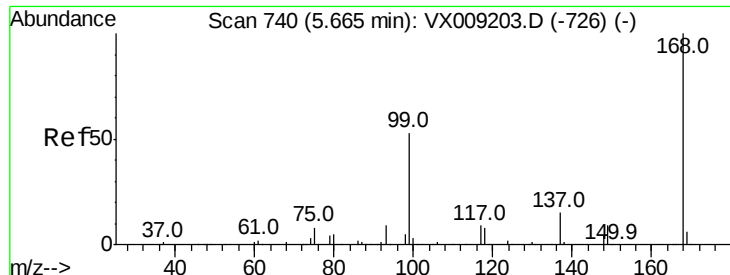
Manual Integrations
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Quant Time: May 16 02:31:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128798	51.529	ug/l	98
94) Hexachlorobutadiene	13.78	225	64172	50.276	ug/l	98
95) Naphthalene	13.83	128	431364	53.045	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	129938	51.285	ug/l	100

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



#1

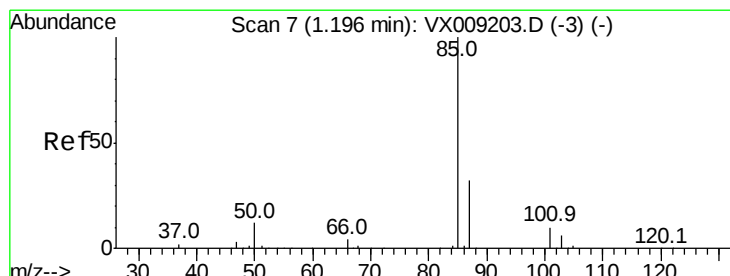
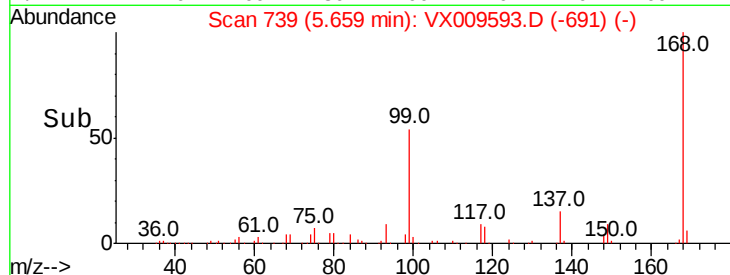
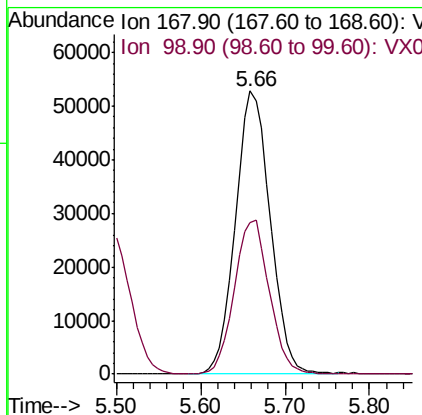
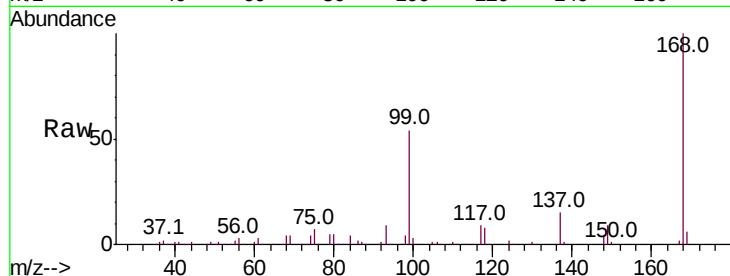
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.5	42.3	63.5

Manual Integrations
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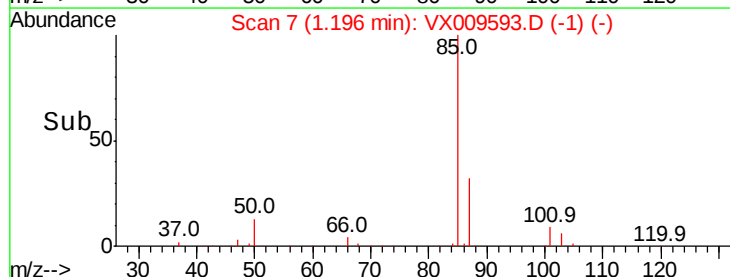
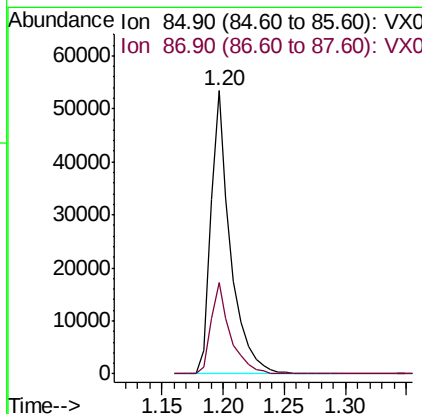
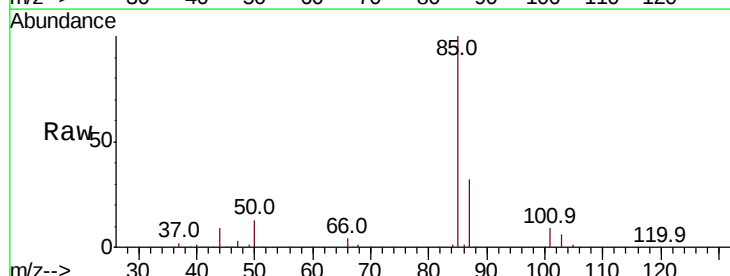
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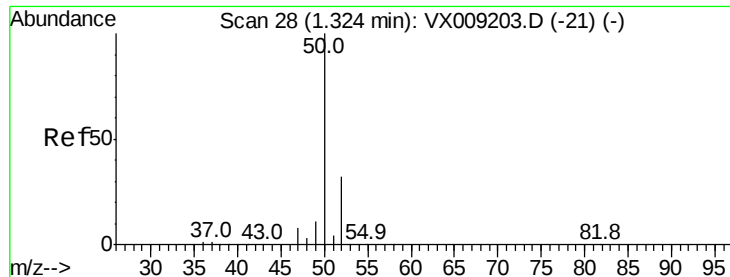


#2

Dichlorodifluoromethane
 Concen: 43.701 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.3





#3

Chloromethane

Concen: 50.495 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 93878

Ion Ratio Lower Upper

50 100

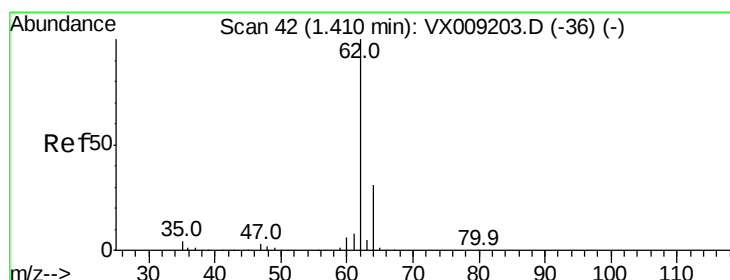
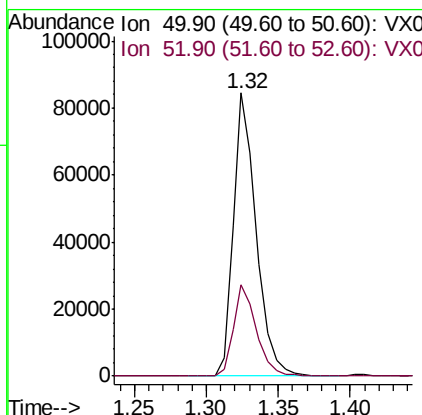
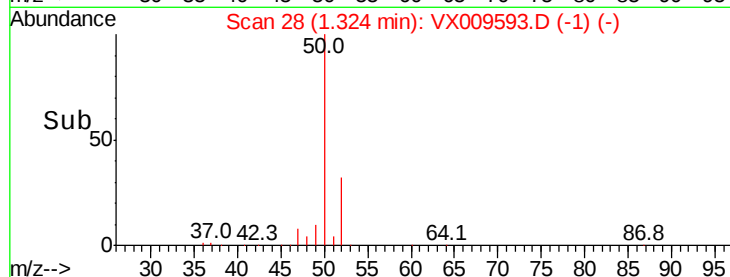
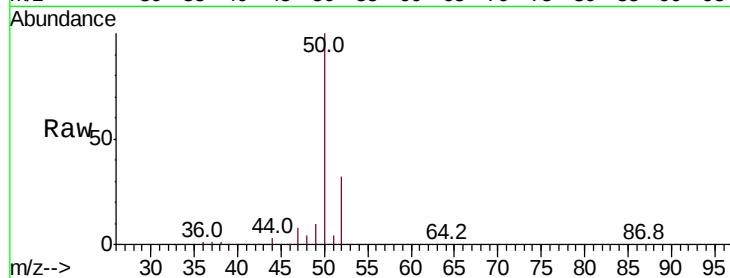
52 32.1 25.9 38.9

Manual Integrations

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5/16/2019 12:32:53 PM



#4

Vinyl Chloride

Concen: 50.091 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009593.D

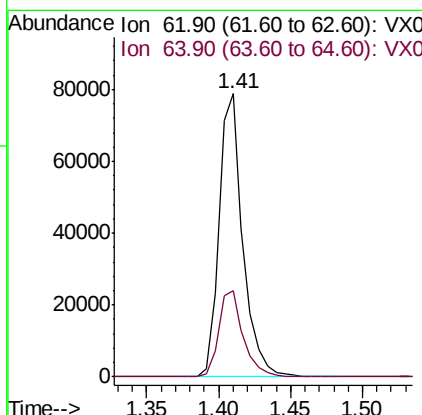
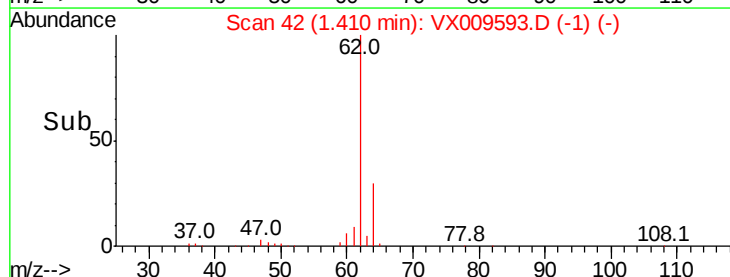
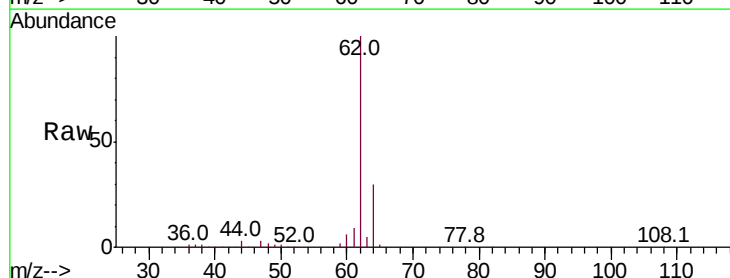
Acq: 15 May 2019 20:18

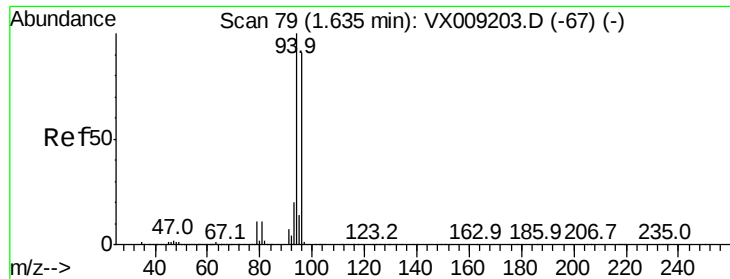
Tgt Ion: 62 Resp: 90812

Ion Ratio Lower Upper

62 100

64 30.3 24.6 36.8





#5

Bromomethane

Concen: 51.677 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 56232

Ion Ratio Lower Upper

94 100

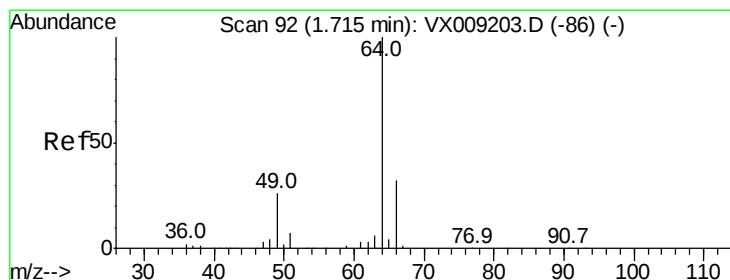
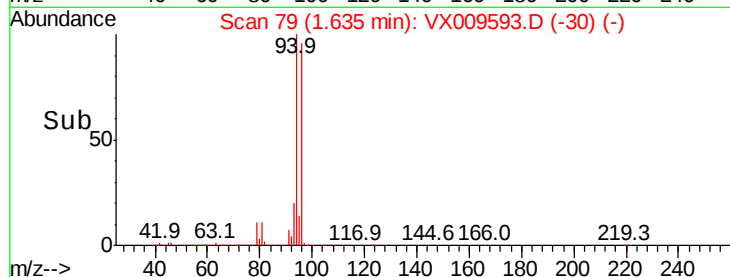
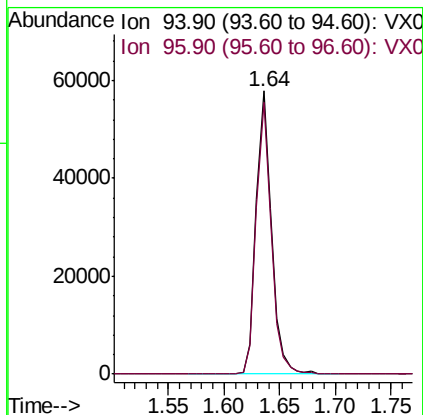
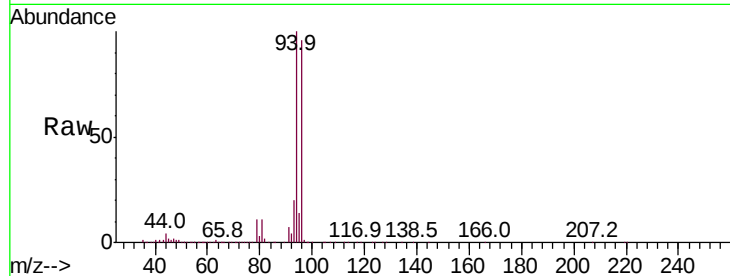
96 96.1 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 50.630 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009593.D

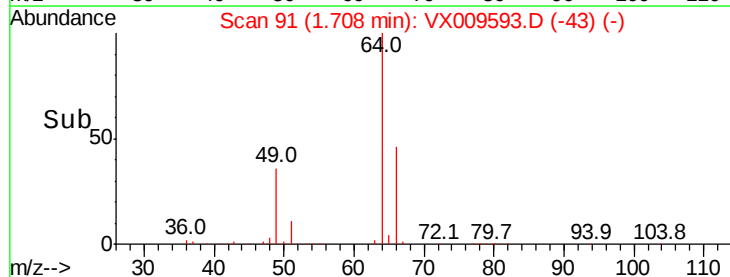
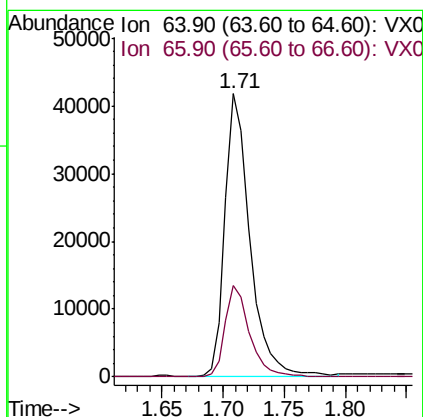
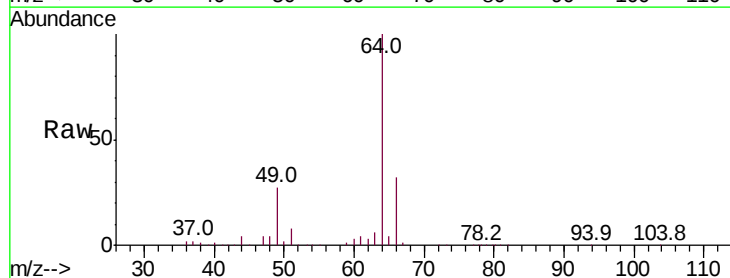
Acq: 15 May 2019 20:18

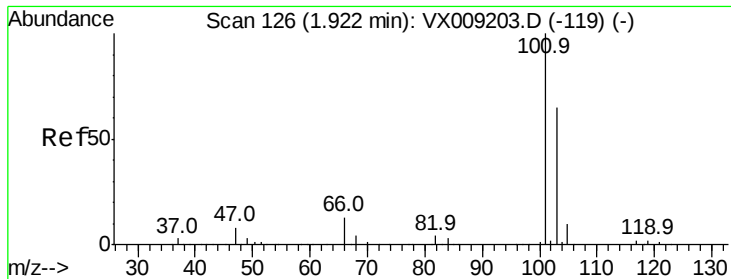
Tgt Ion: 64 Resp: 58931

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9





#7

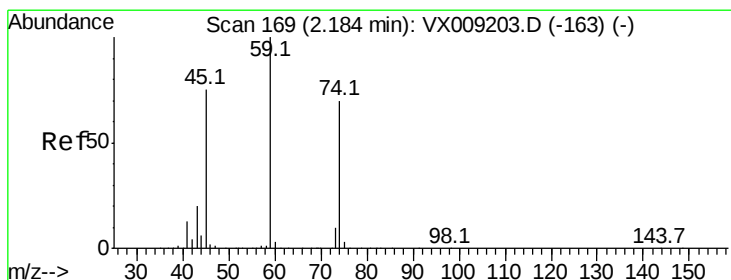
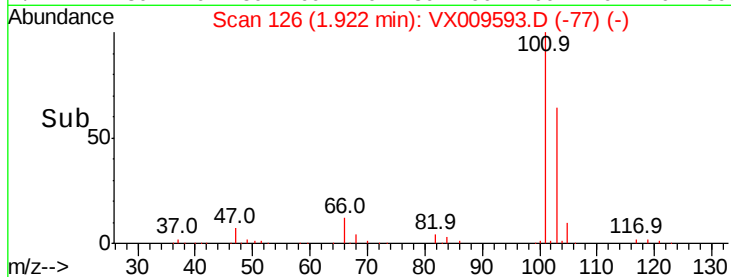
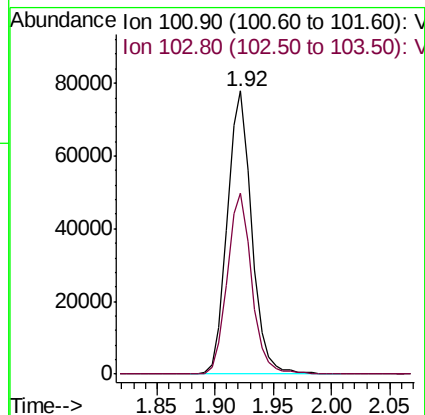
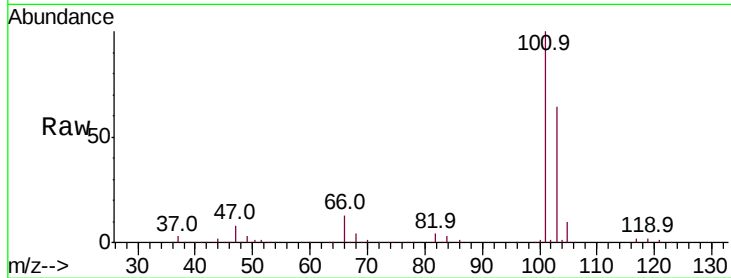
Trichlorofluoromethane
Concen: 51.342 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.4	78.6

Manual Integrations
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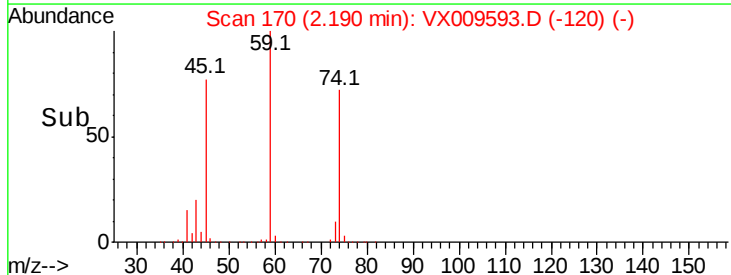
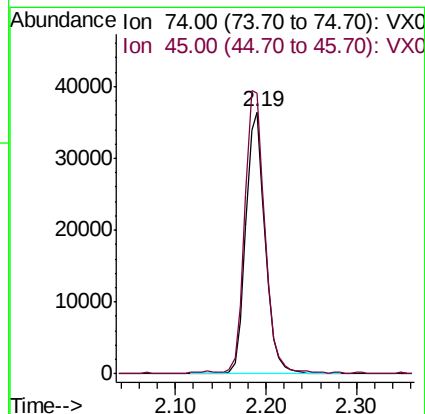
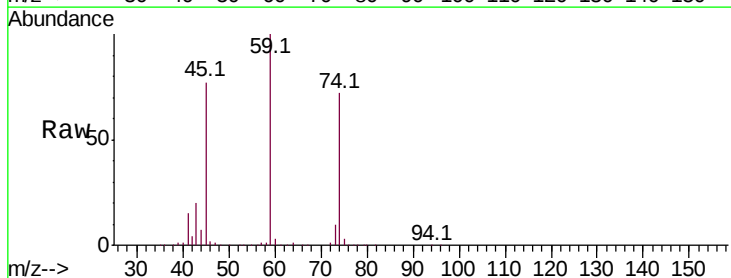
MMDadoda
5/16/2019 12:32:53 PM

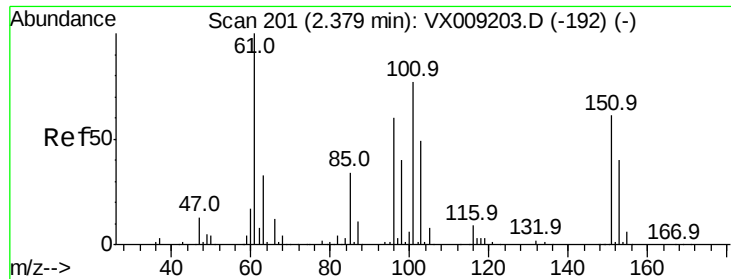


#8

Diethyl Ether
Concen: 51.523 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.0	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.431 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 68406

Ion Ratio Lower Upper

101 100

85 44.5 35.7 53.5

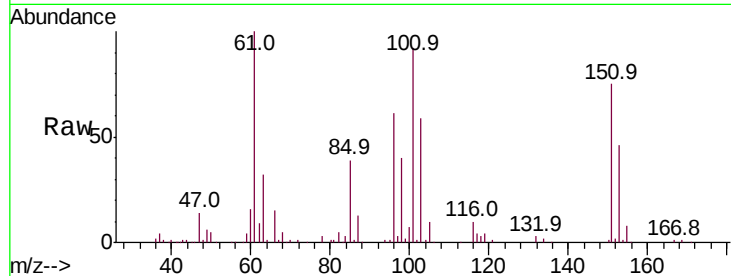
151 78.6 62.2 93.2

Manual Integrations

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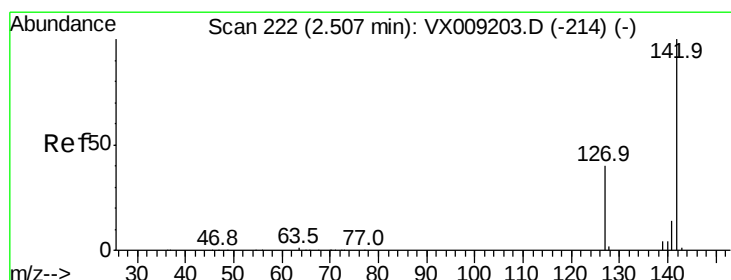
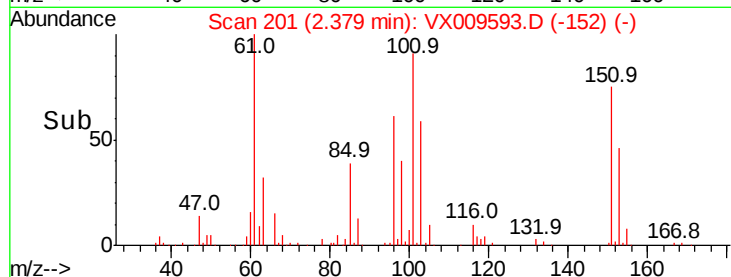
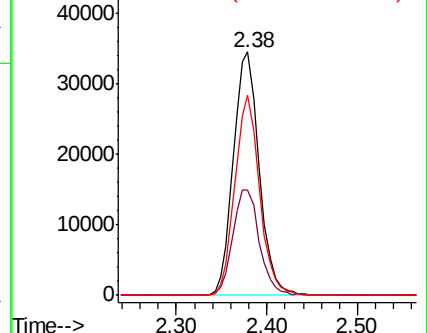
5/16/2019 12:32:53 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.633 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

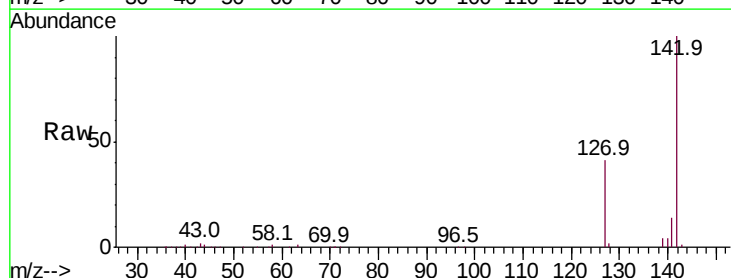
Tgt Ion:142 Resp: 86827

Ion Ratio Lower Upper

142 100

127 40.9 32.7 49.1

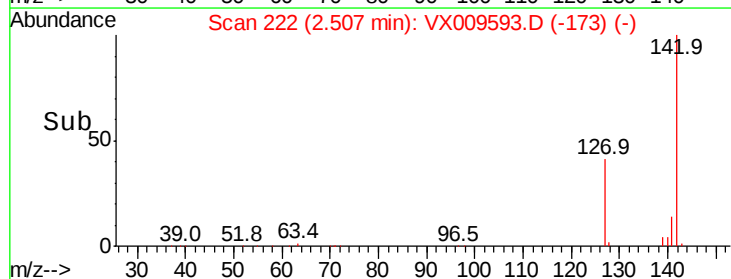
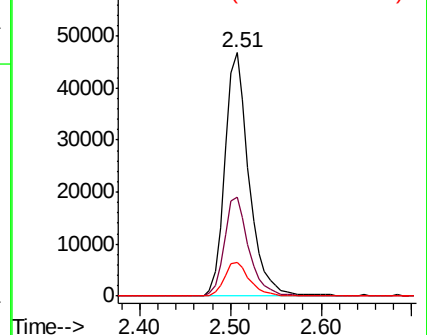
141 14.6 11.5 17.3

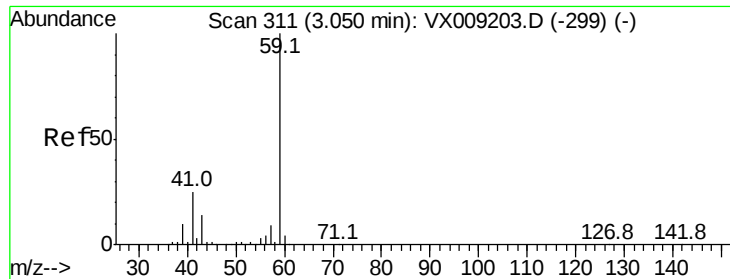


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

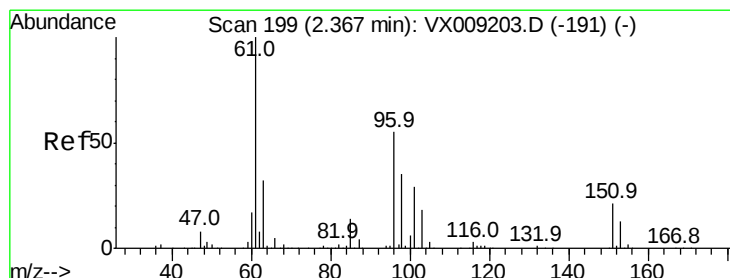
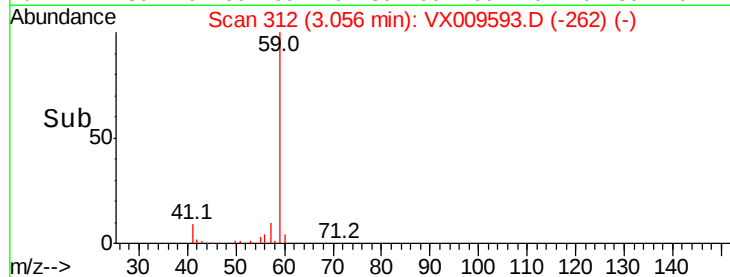
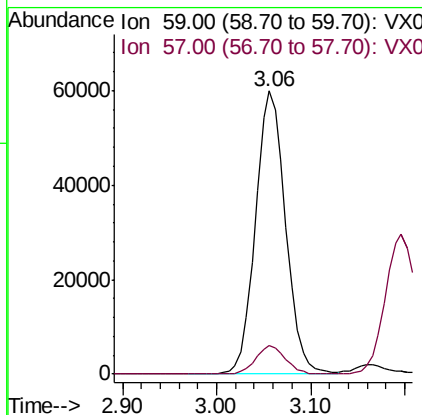
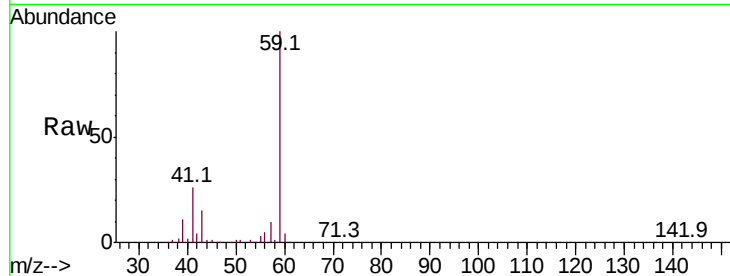
Tert butyl alcohol
Concen: 286.712 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
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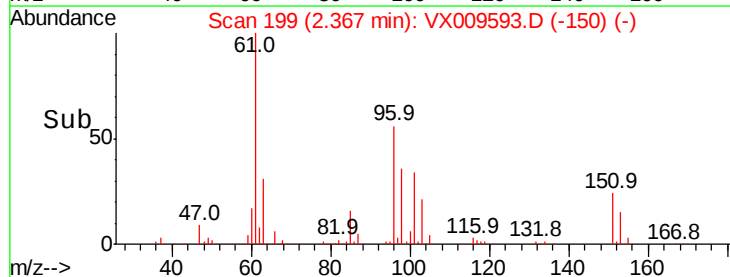
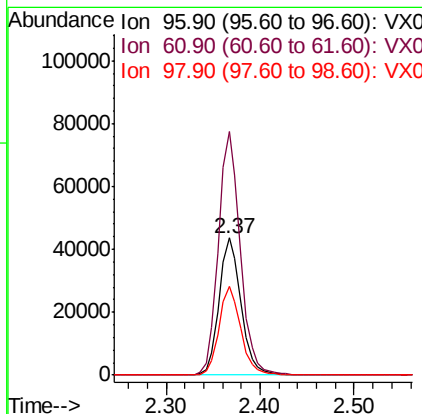
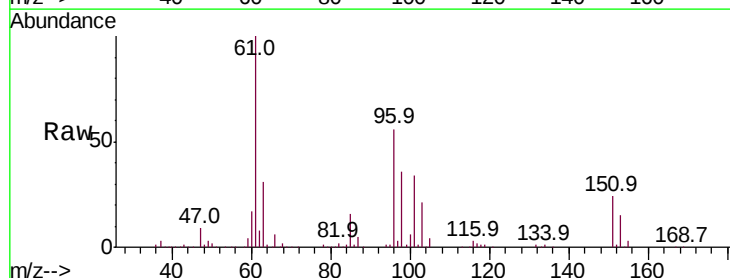
MMDadoda
5/16/2019 12:32:53 PM

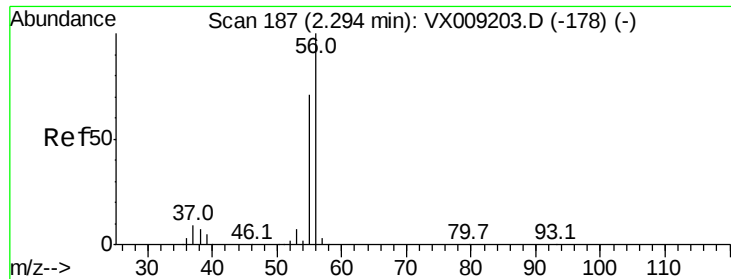


#12

1,1-Dichloroethene
Concen: 50.943 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.7	144.3	216.5
98	64.4	50.3	75.5





#13

Acrolein

Concen: 205.635 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 86961

Ion Ratio Lower Upper

56 100

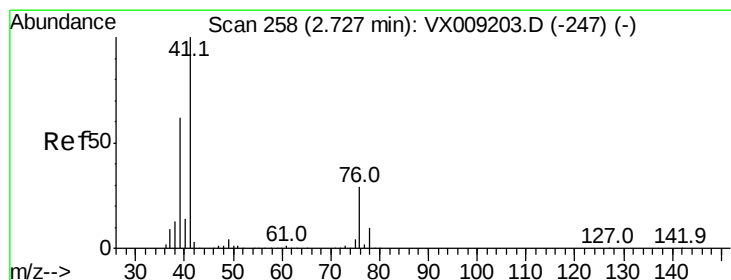
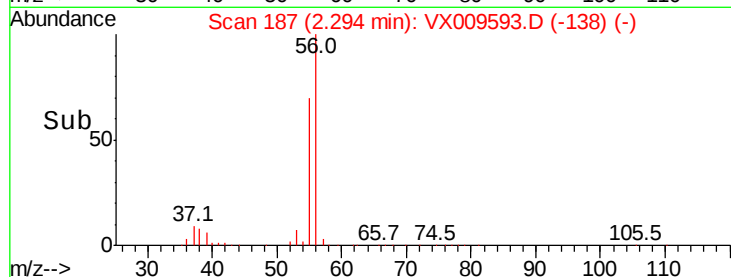
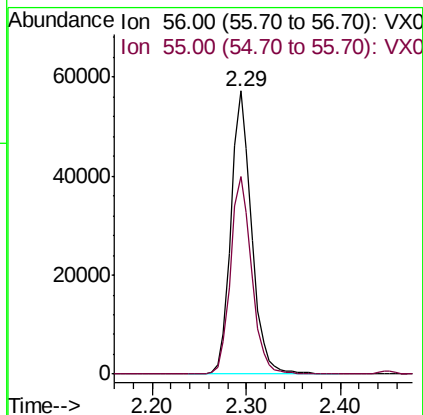
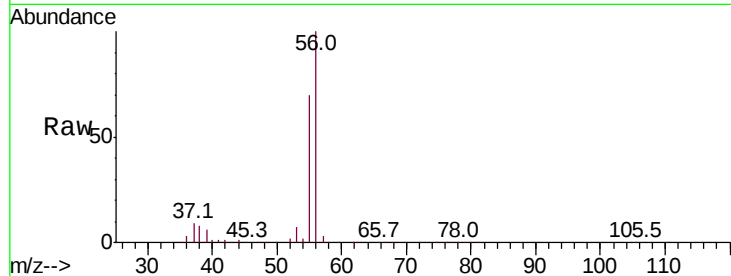
55 71.8 56.6 85.0

Manual Integrations

APPROVED

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5/16/2019 12:32:53 PM



#14

Allyl chloride

Concen: 50.499 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

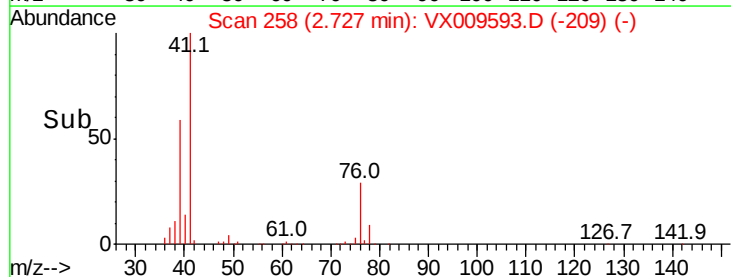
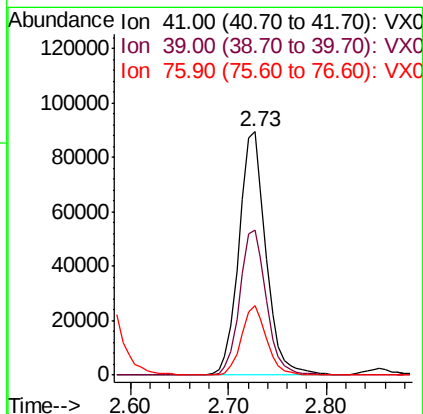
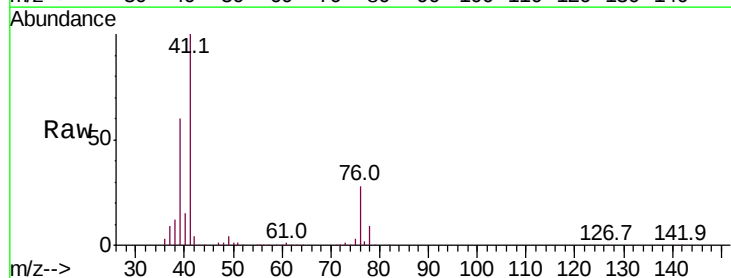
Tgt Ion: 41 Resp: 170637

Ion Ratio Lower Upper

41 100

39 59.1 46.7 70.1

76 26.9 21.8 32.8





#15

Acrylonitrile

Concen: 274.265 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

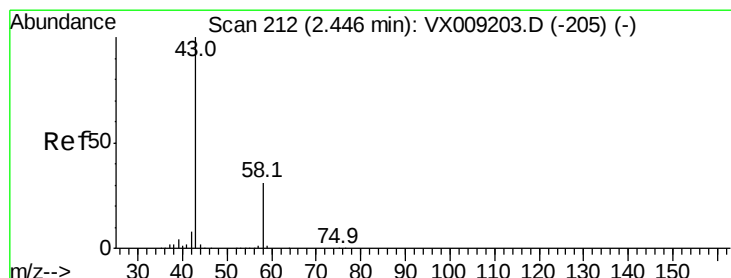
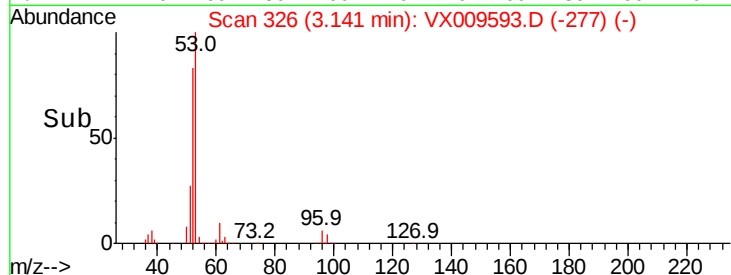
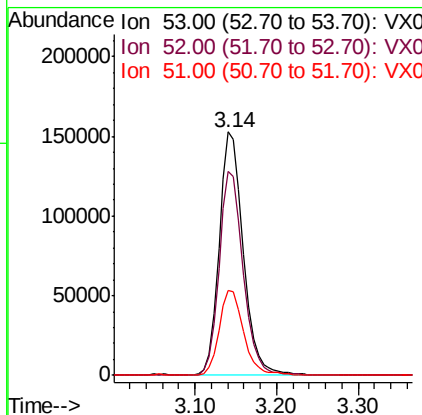
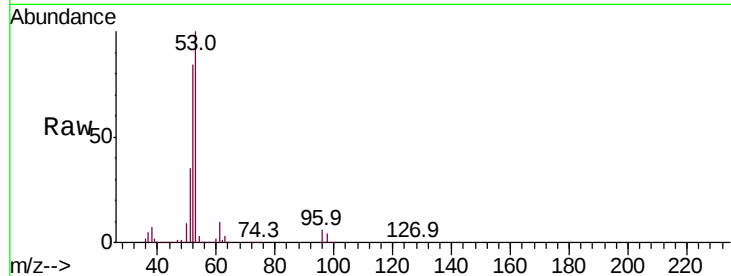
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	313140
Ion Ratio	Lower	Upper	
53	100		
52	84.1	66.9	100.3
51	35.9	28.2	42.2

Manual Integrations
APPROVED

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#16

Acetone

Concen: 255.905 ug/l

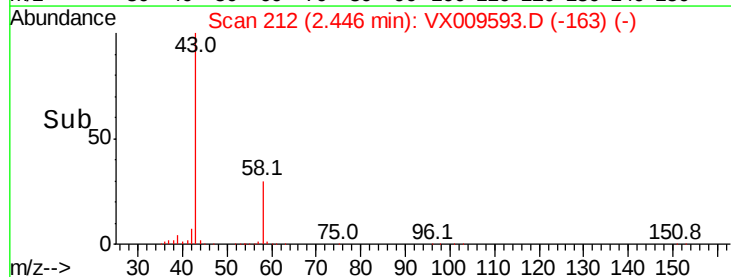
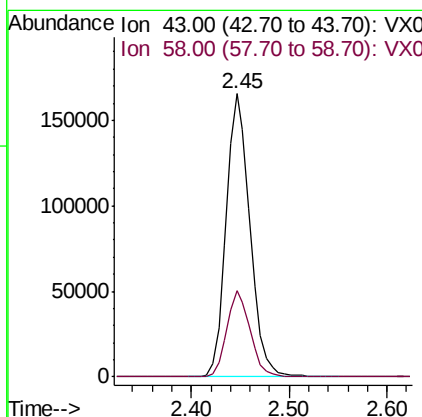
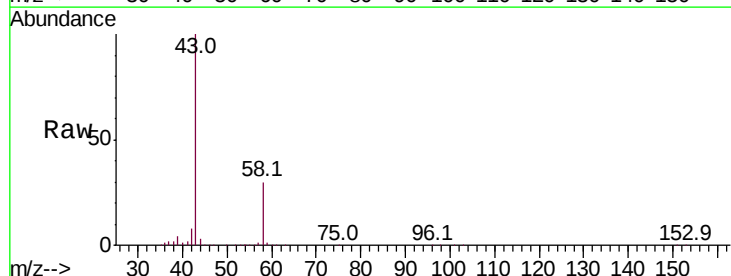
RT: 2.45 min Scan# 212

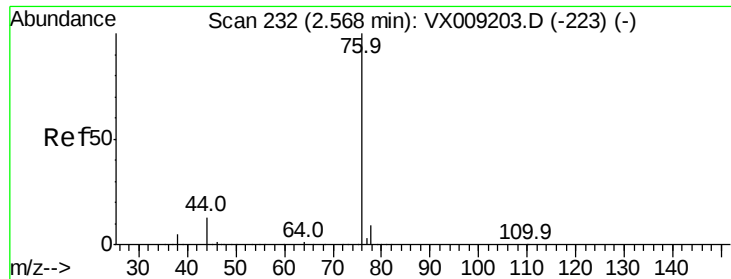
Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Tgt Ion:	43	Resp:	277200
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.9	37.3





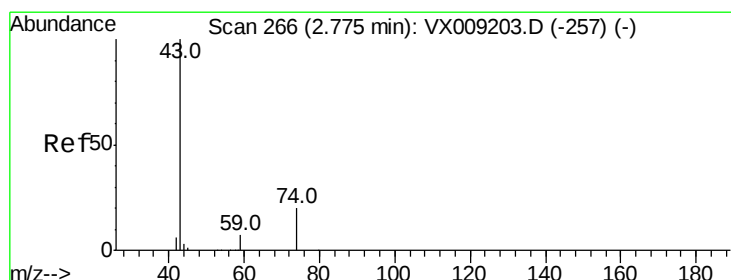
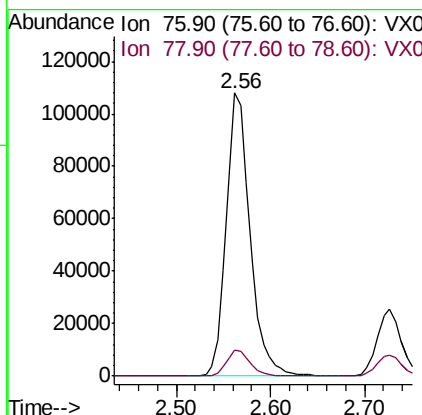
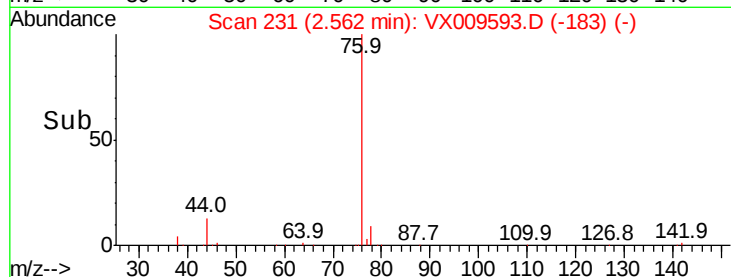
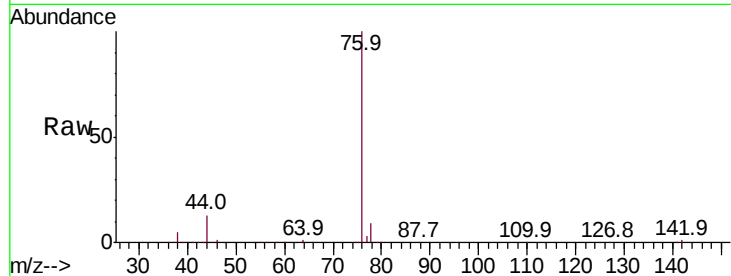
#17
Carbon Disulfide
Concen: 48.776 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

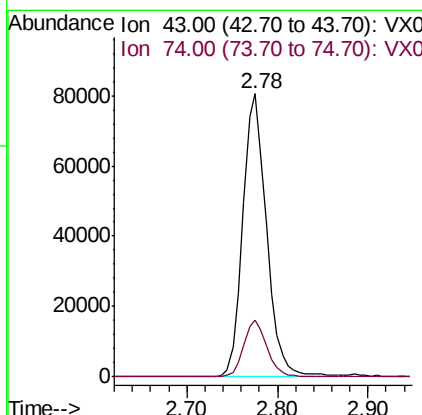
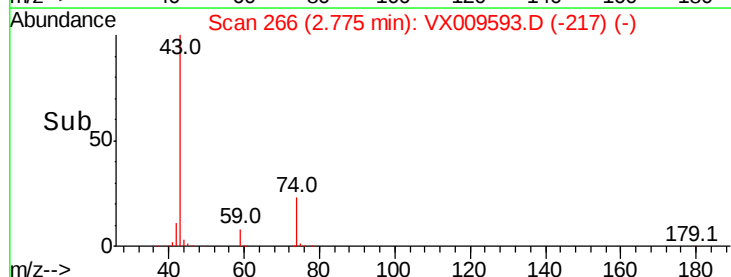
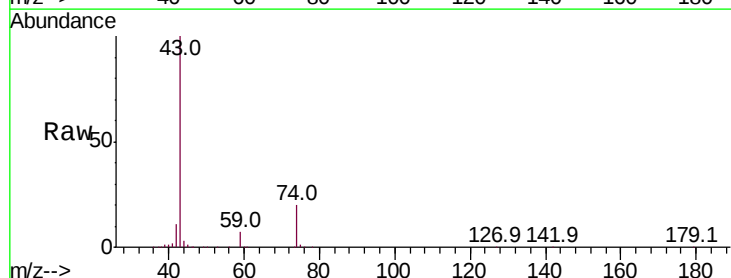
Manual Integrations
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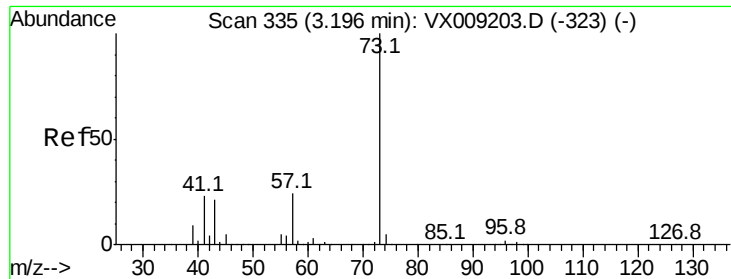
MMDadoda
5/16/2019 12:32:53 PM



#18
Methyl Acetate
Concen: 56.348 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.2	24.4





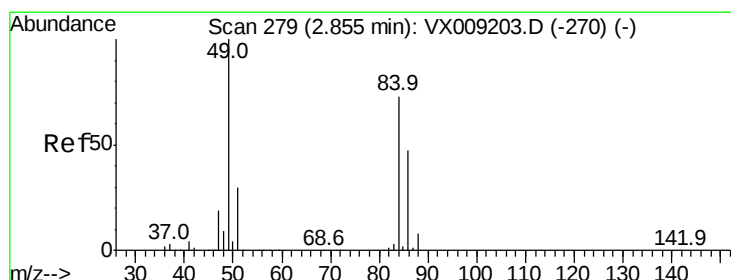
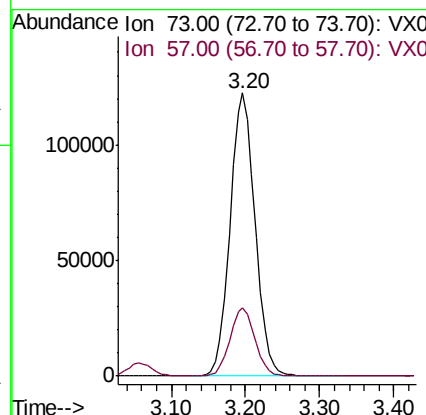
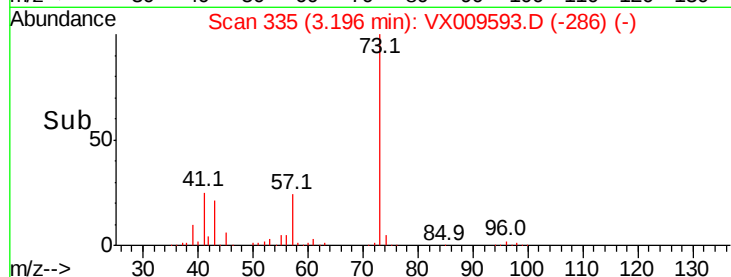
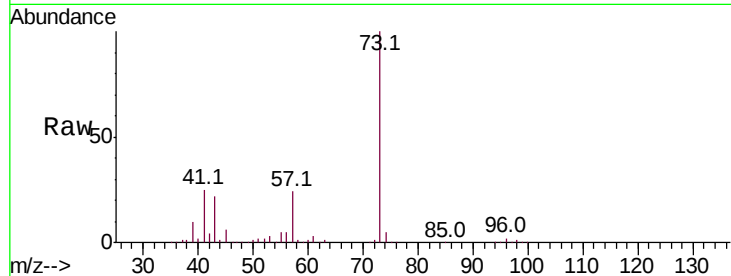
#19
Methvl tert-butvl Ether
Concen: 53.197 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.3	28.9

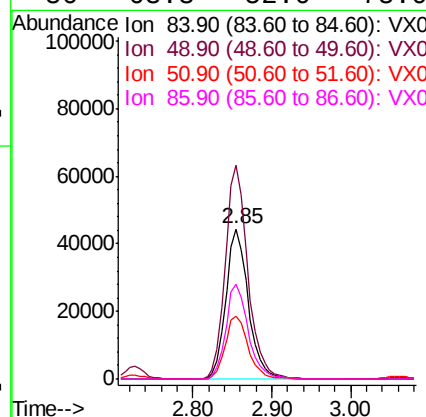
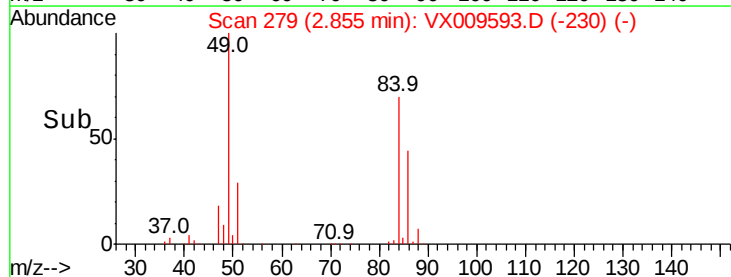
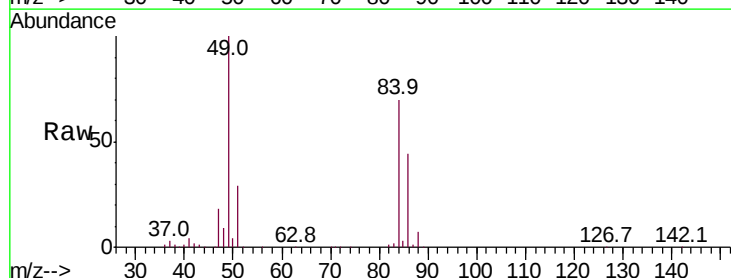
Manual Integrations
APPROVED

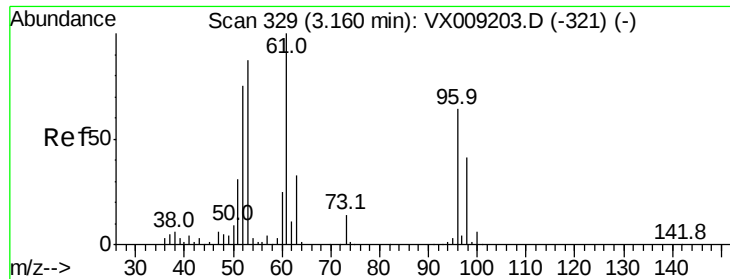
MMDadoda
5/16/2019 12:32:53 PM



#20
Methylene Chloride
Concen: 50.056 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.6	109.9	164.9
51	42.1	32.7	49.1
86	63.3	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 51.421 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 77323

Ion Ratio Lower Upper

96 100

61 153.2 124.5 186.7

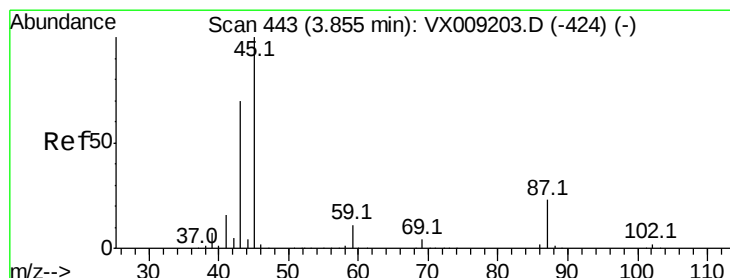
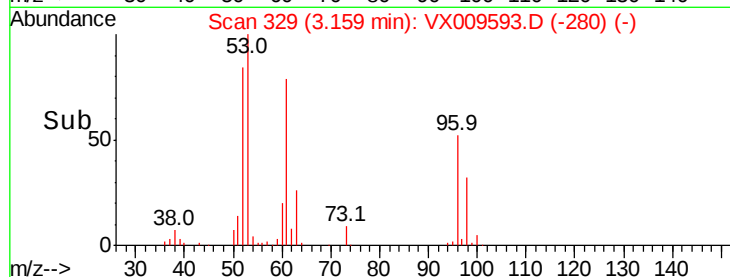
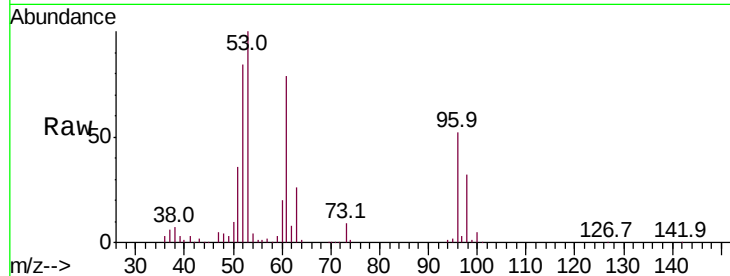
98 62.6 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

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#22

Diisopropyl ether

Concen: 52.723 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Tgt Ion: 45 Resp: 342611

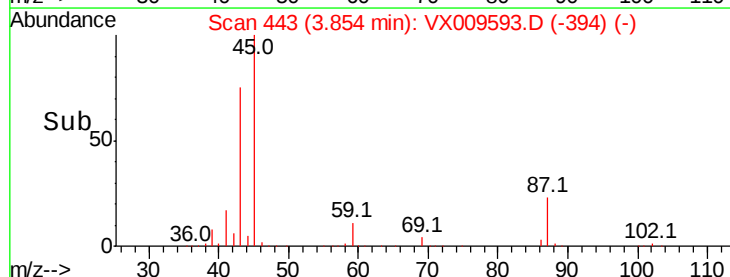
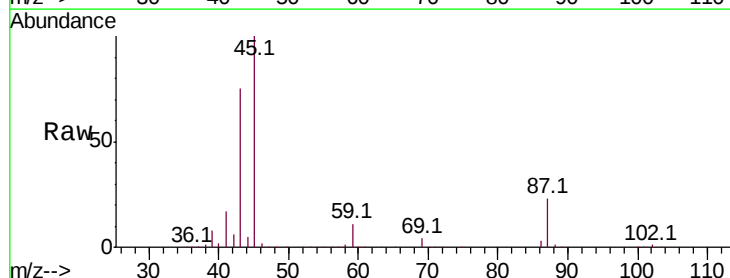
Ion Ratio Lower Upper

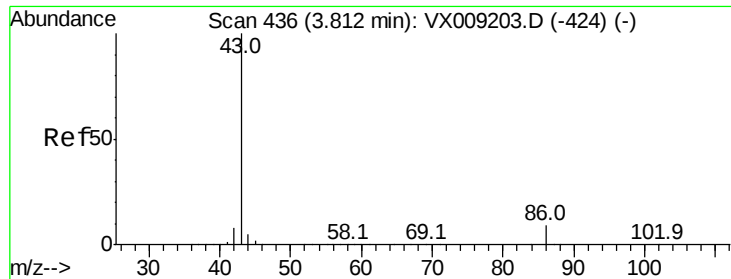
45 100

43 75.0 56.1 84.1

87 22.9 18.1 27.1

59 10.8 8.5 12.7





#23

Vinyl Acetate

Concen: 278.408 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1549222

Ion Ratio Lower Upper

43 100

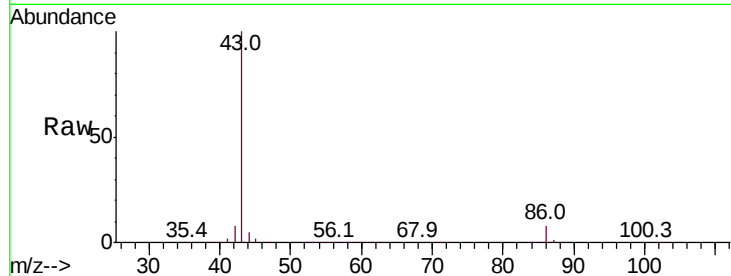
86 8.5 6.9 10.3

Manual Integrations

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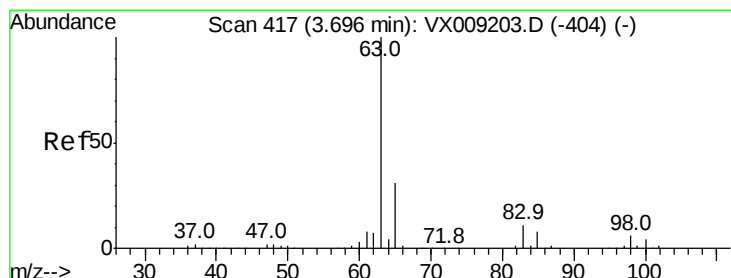
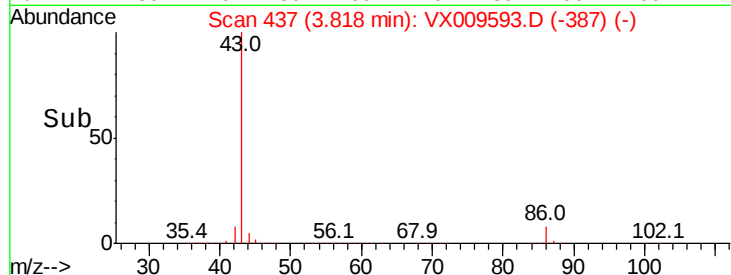
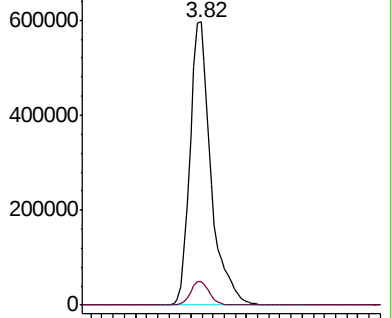
MMDadoda

5/16/2019 12:32:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.499 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

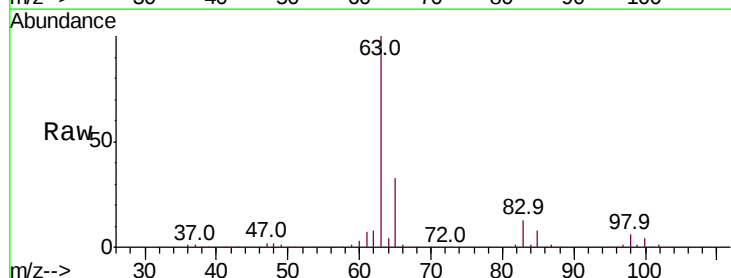
Tgt Ion: 63 Resp: 165091

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

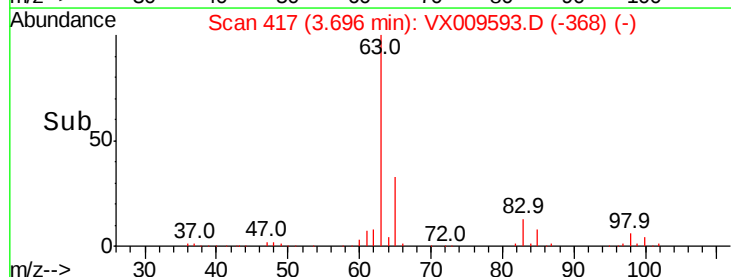
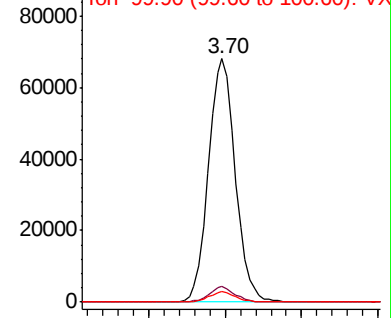
100 4.4 2.0 6.0

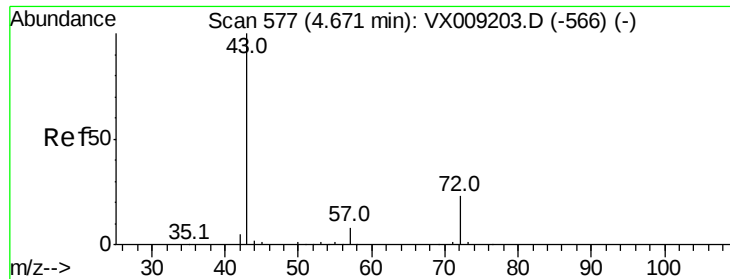


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 277.625 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 467321

Ion Ratio Lower Upper

43 100

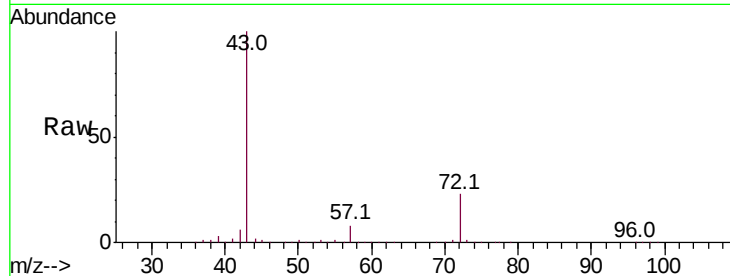
72 23.3 18.2 27.2

Manual Integrations

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MMDadoda

5/16/2019 12:32:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

150000

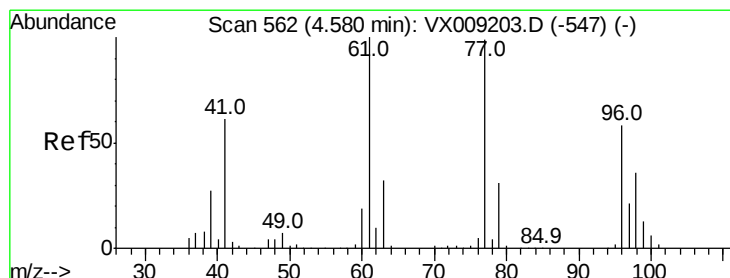
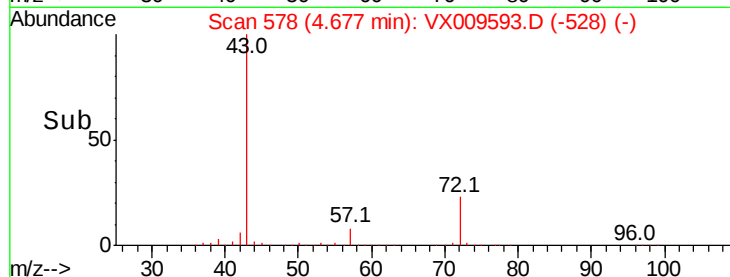
100000

50000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 46.161 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009593.D

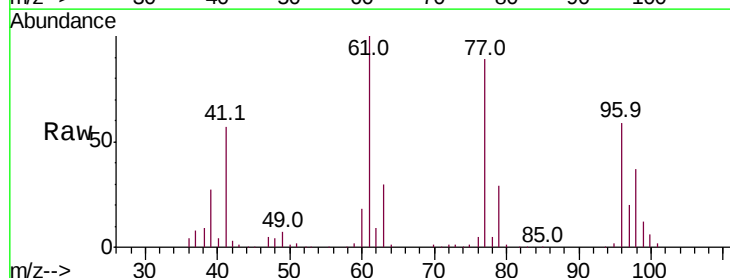
Acq: 15 May 2019 20:18

Tgt Ion: 77 Resp: 110145

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

40000

30000

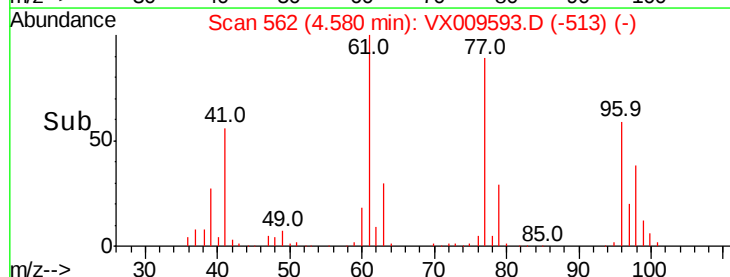
20000

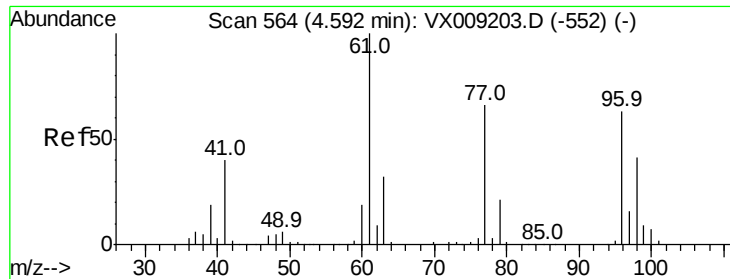
10000

0

Time-->

4.40 4.50 4.60 4.70





#27

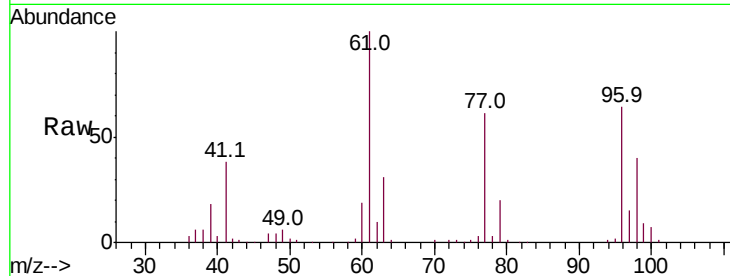
cis-1,2-Dichloroethene
Concen: 51.169 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

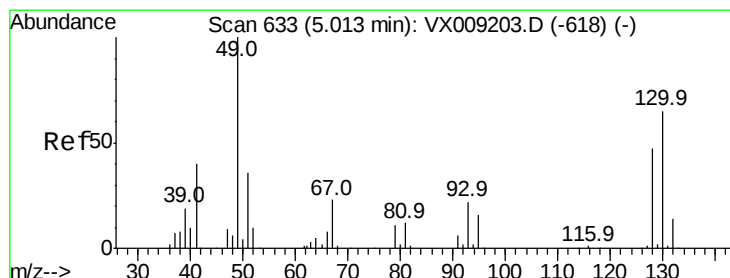
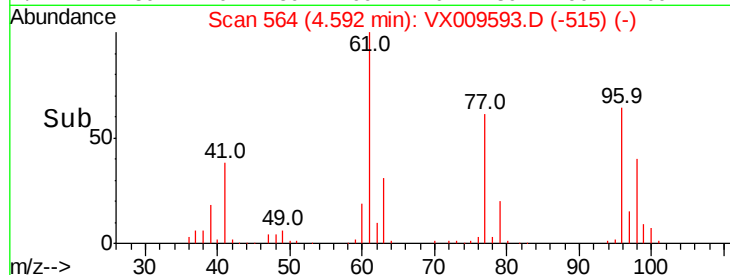
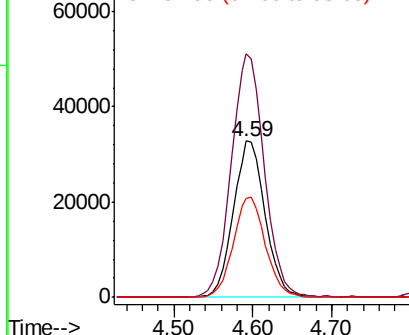
Tot Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	324.0
98	64.5	0.0	130.4

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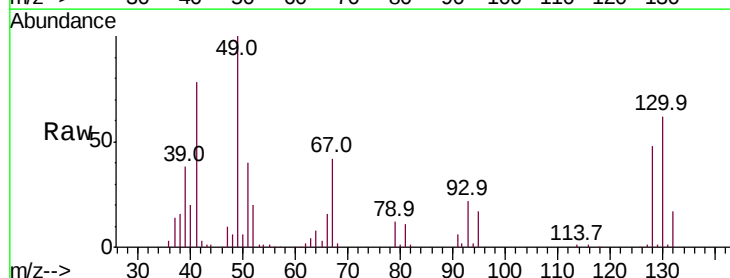
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



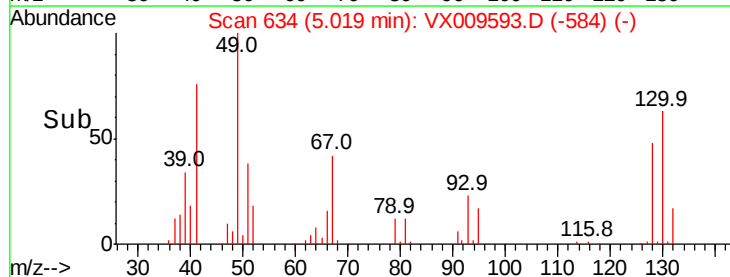
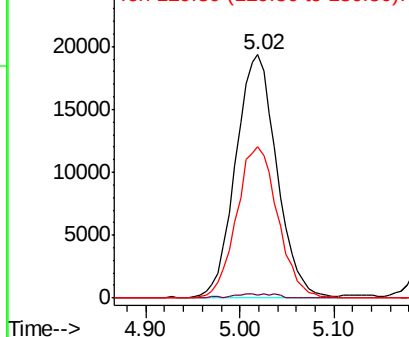
#28

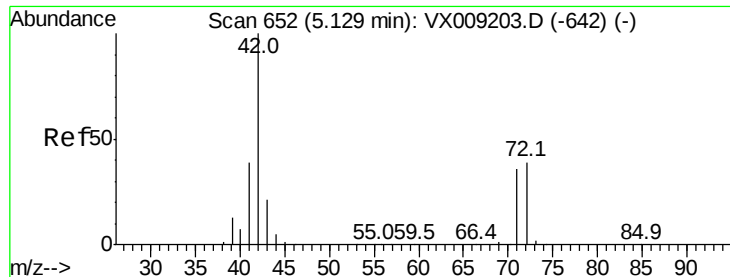
Bromochloromethane
Concen: 45.659 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	62.3	51.2	76.8



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





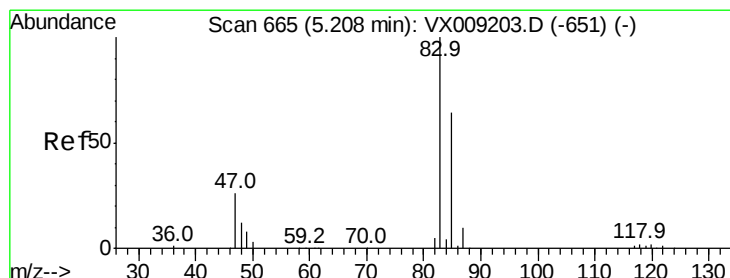
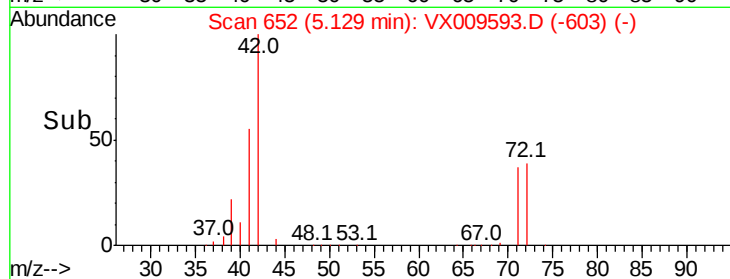
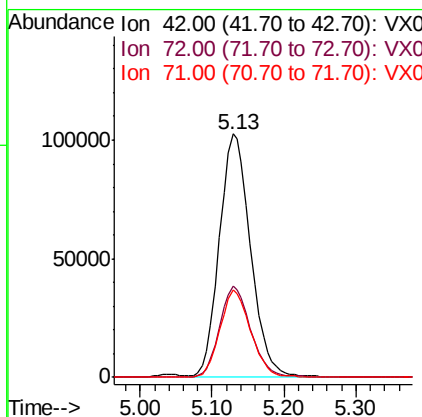
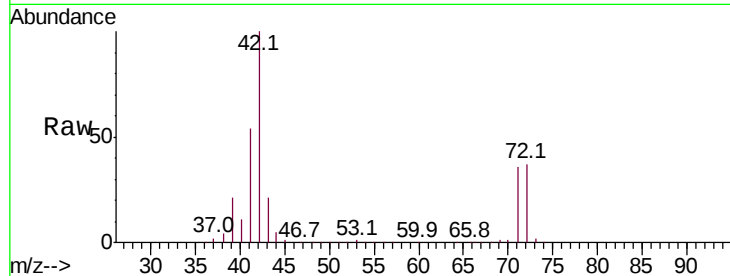
#29
Tetrahydrofuran
Concen: 284.940 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.4	45.6
71	35.3	28.6	43.0

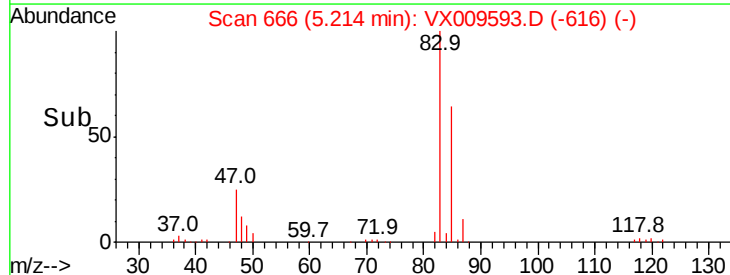
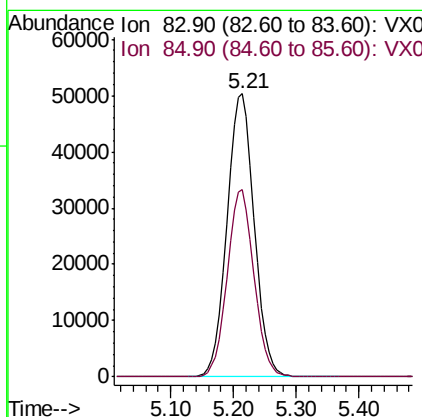
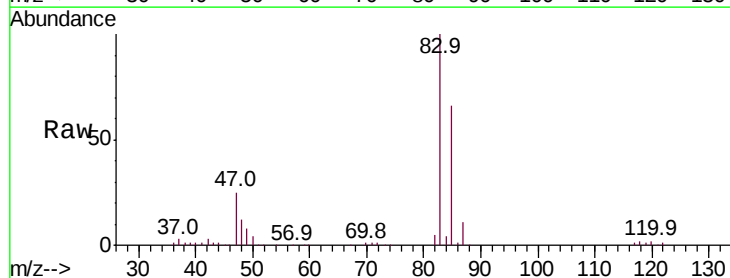
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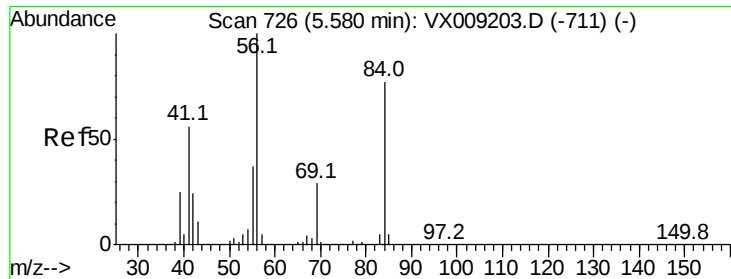
MMDadoda
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#30
Chloroform
Concen: 52.184 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3





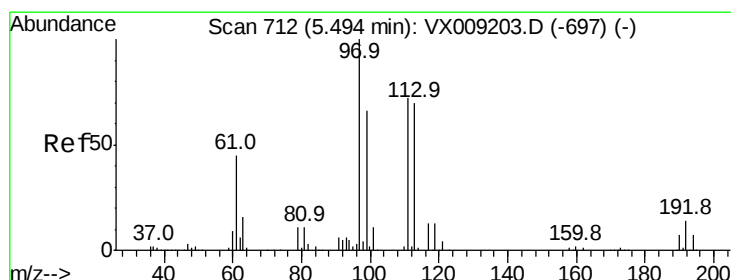
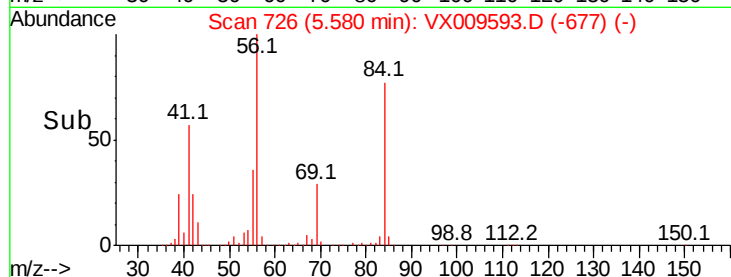
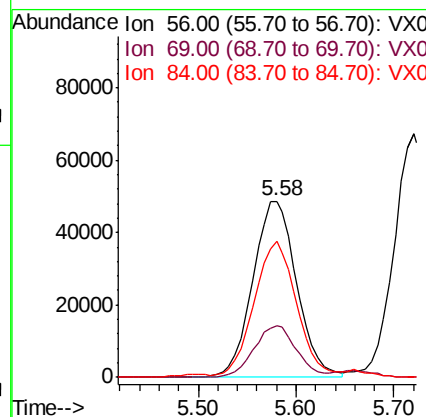
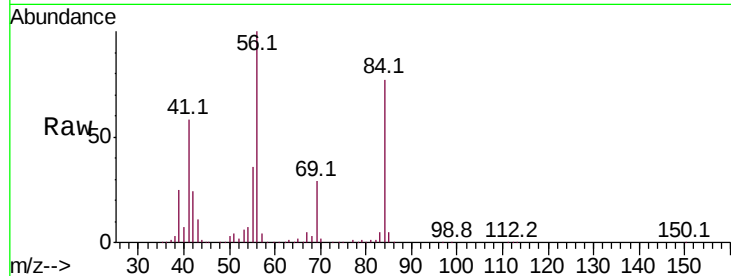
#31
Cyclohexane
Concen: 50.966 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.0
84	76.0	61.9	92.9

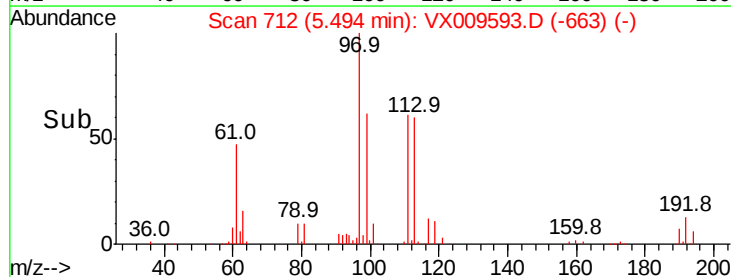
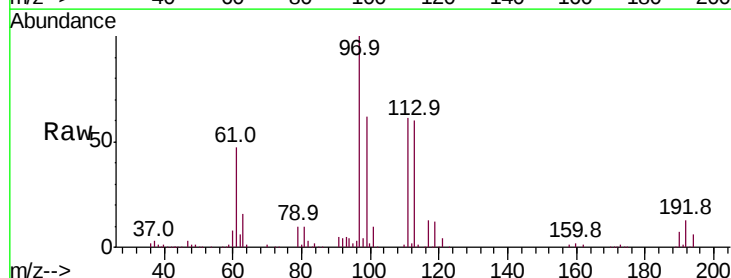
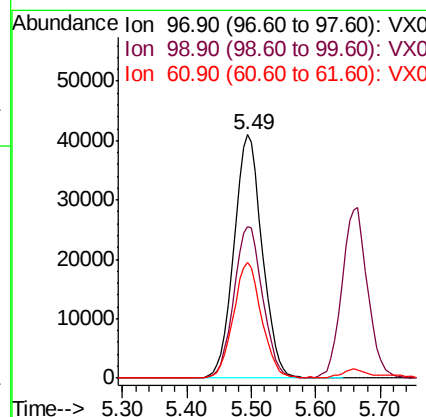
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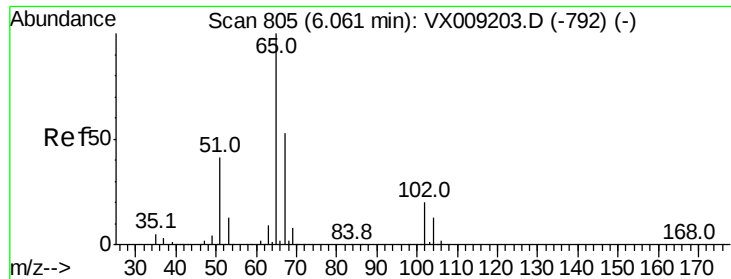
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#32
1,1,1-Trichloroethane
Concen: 51.908 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.8
61	47.5	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 47.876 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009593.D

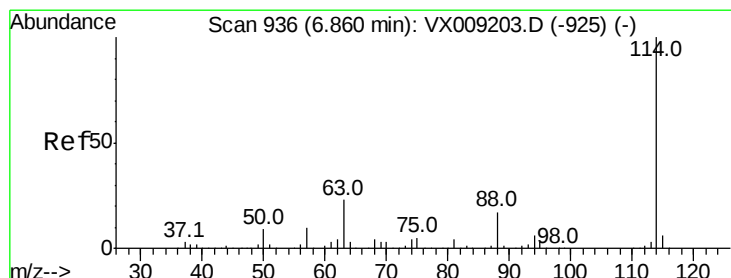
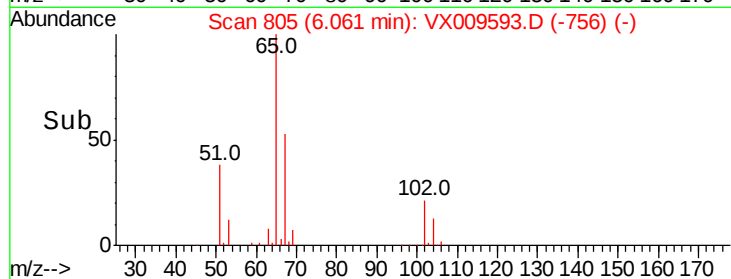
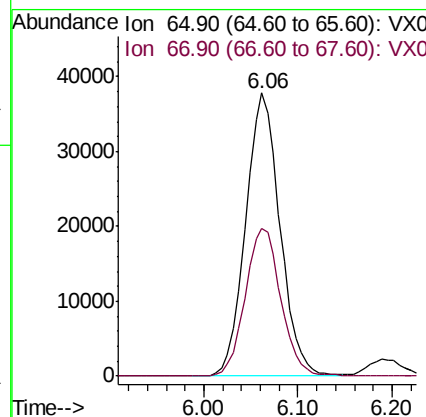
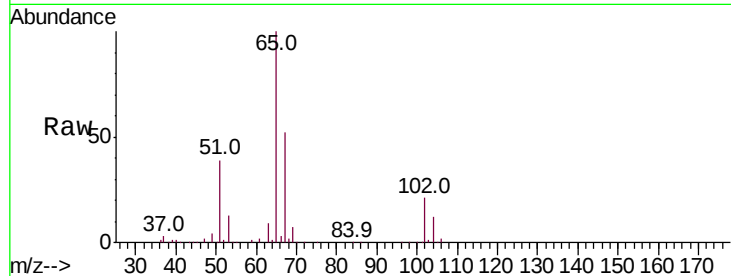
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	106.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

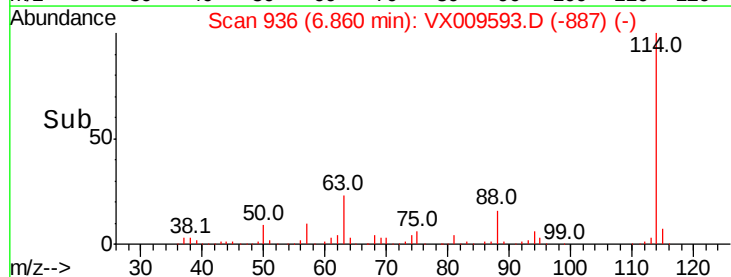
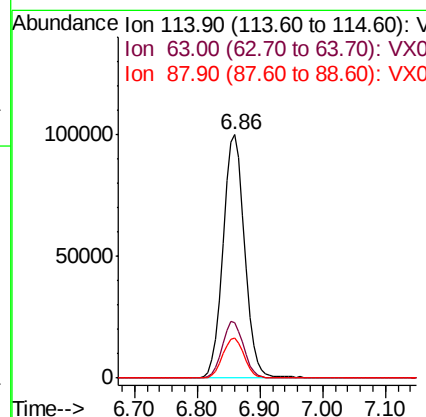
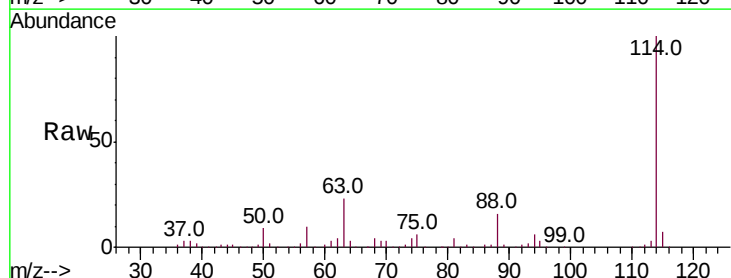
RT: 6.86 min Scan# 936

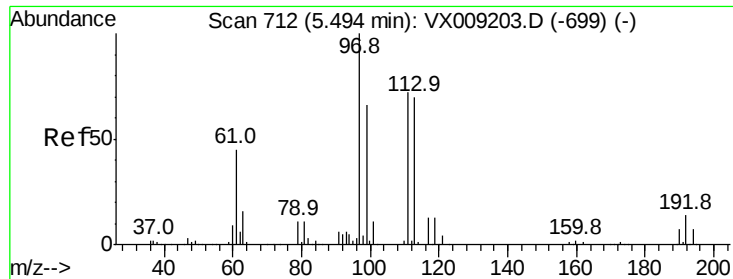
Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	45.6
88	16.3	0.0	33.2





#35

Dibromofluoromethane

Concen: 48.121 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

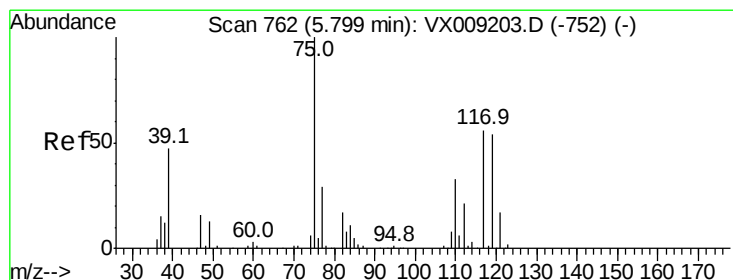
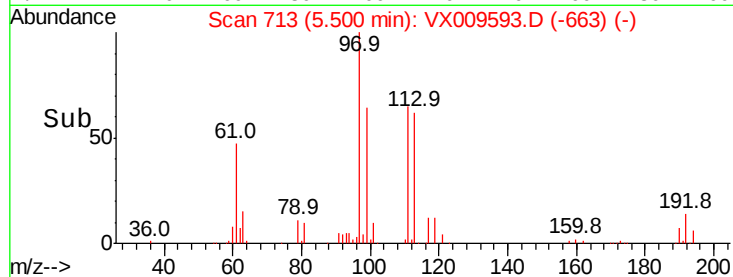
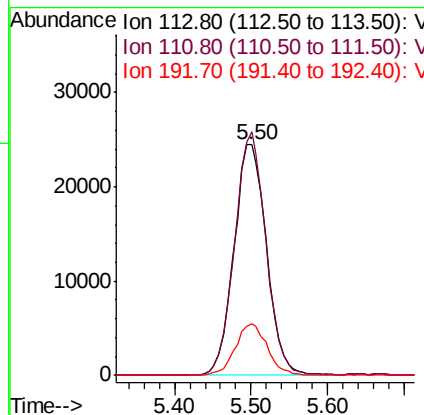
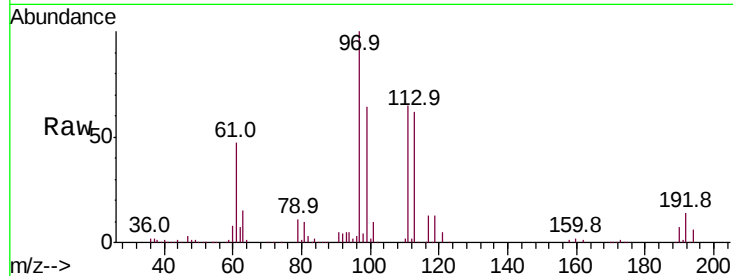
VSTDCCC050EC

Tot Ion:113 Resp: 72213

Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.8	124.2
192	21.7	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.612 ug/l

RT: 5.80 min Scan# 762

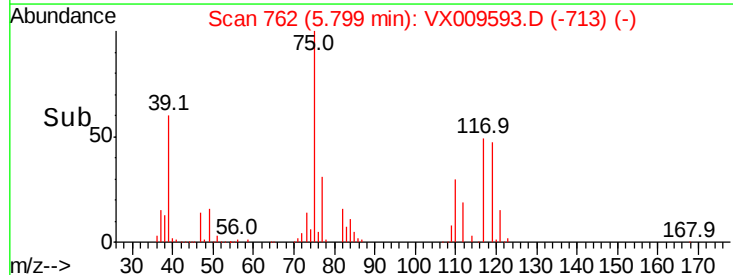
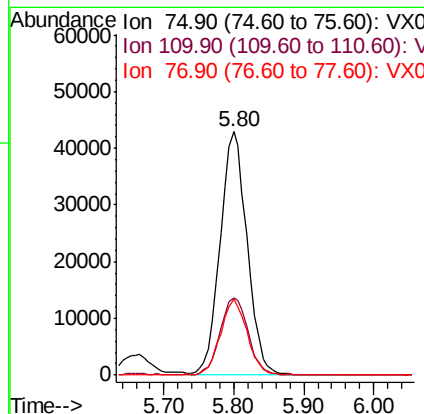
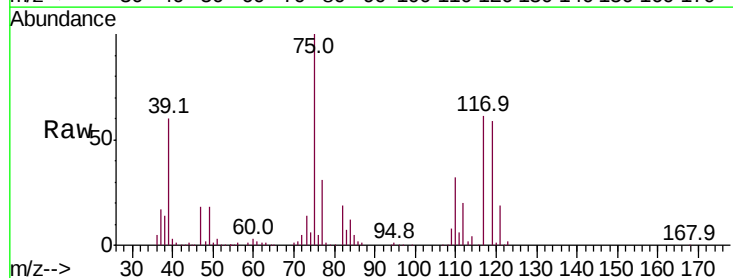
Delta R.T. -0.00 min

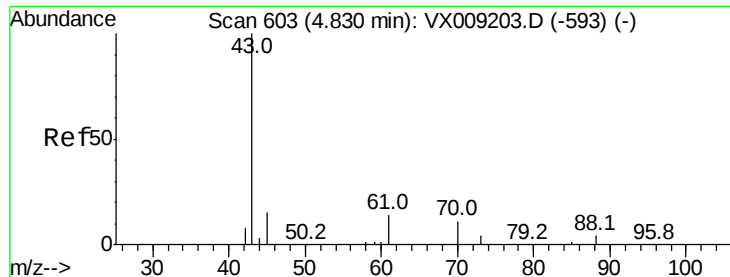
Lab File: VX009593.D

Acq: 15 May 2019 20:18

Tgt Ion: 75 Resp: 114496

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.6
77	31.4	24.8	37.2





#37

Ethyl Acetate

Concen: 55.713 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

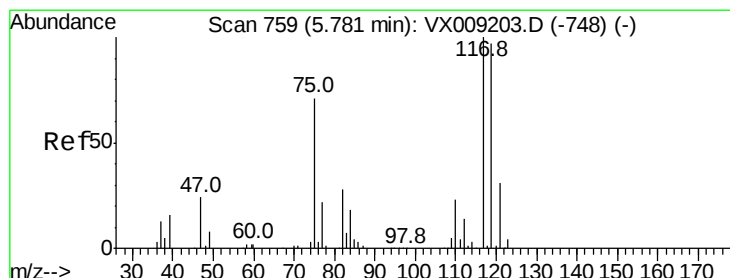
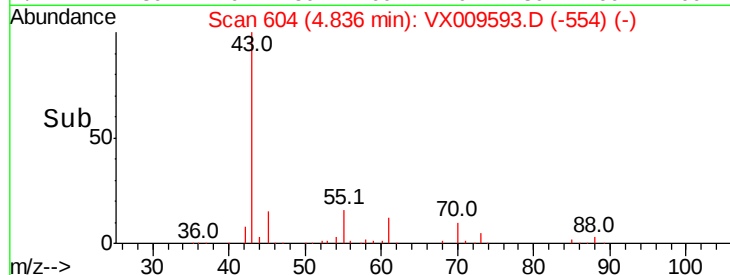
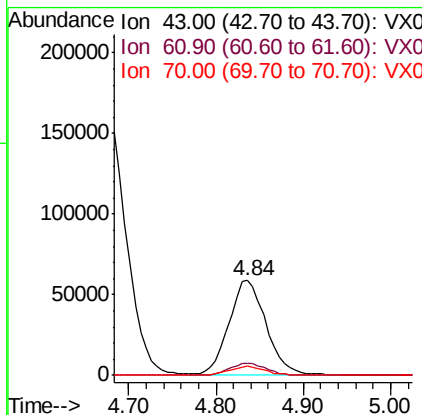
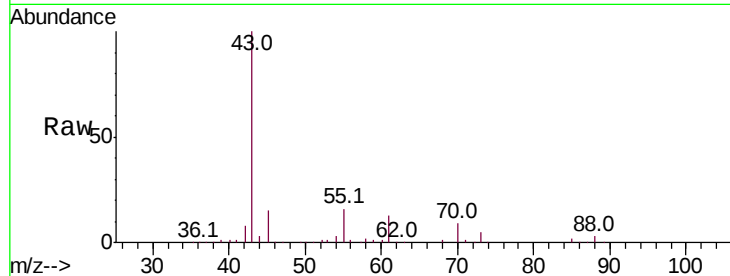
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	172202
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.4	7.9	11.9

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#38

Carbon Tetrachloride

Concen: 51.459 ug/l

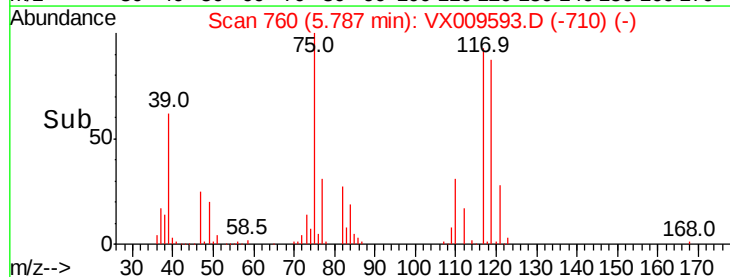
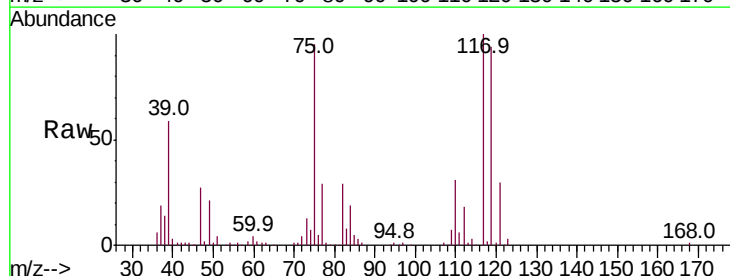
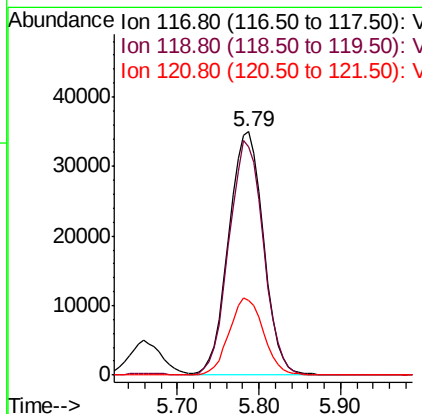
RT: 5.79 min Scan# 760

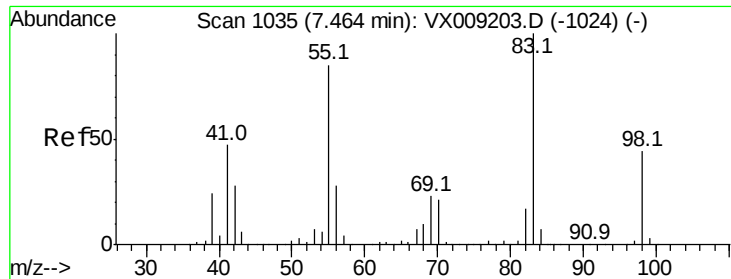
Delta R.T. 0.01 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Tgt Ion:	117	Resp:	103719
Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.5	116.3
121	30.4	24.7	37.1





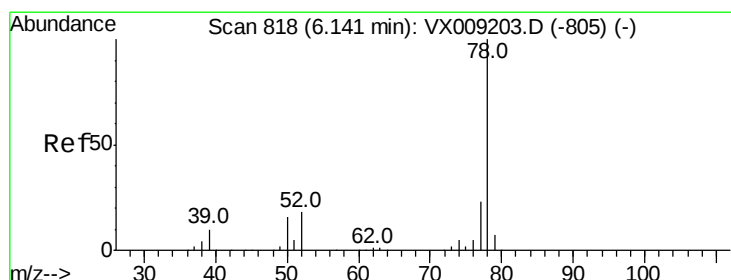
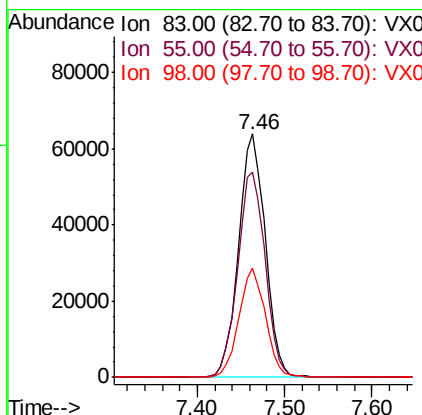
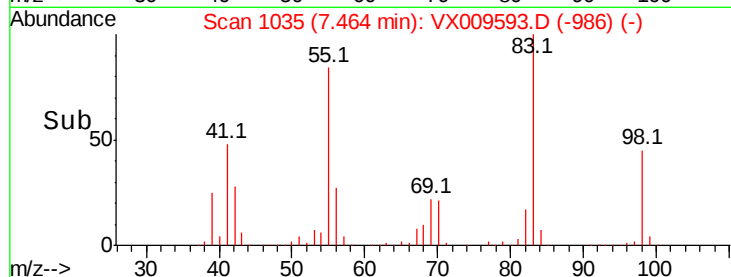
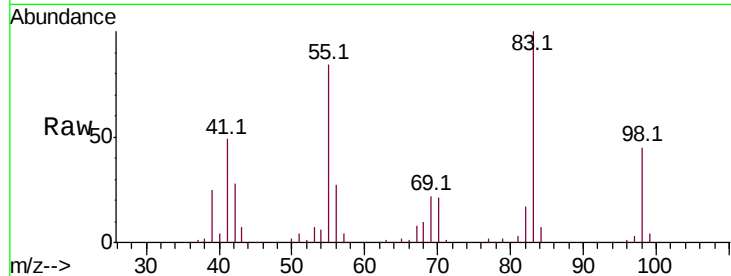
#39
Methvlcvclohexane
Concen: 49.876 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	67.7	101.5
98	44.8	35.5	53.3

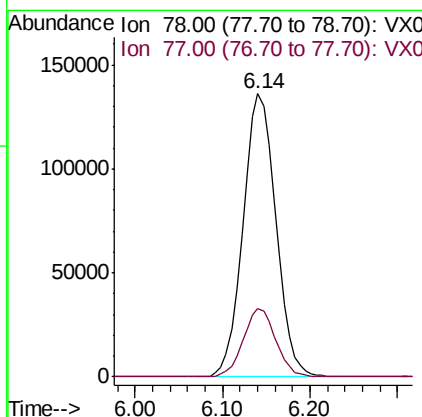
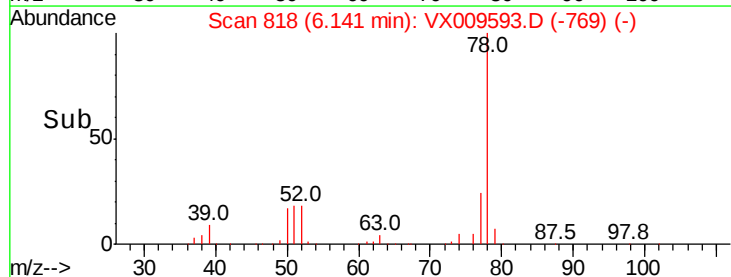
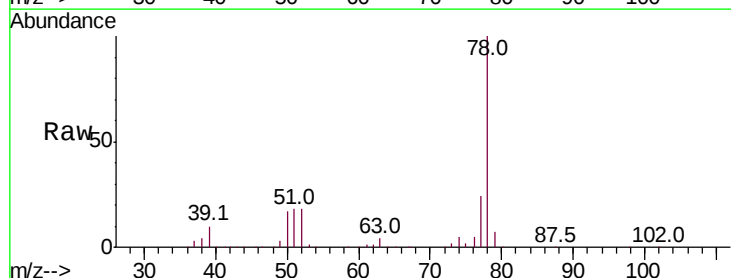
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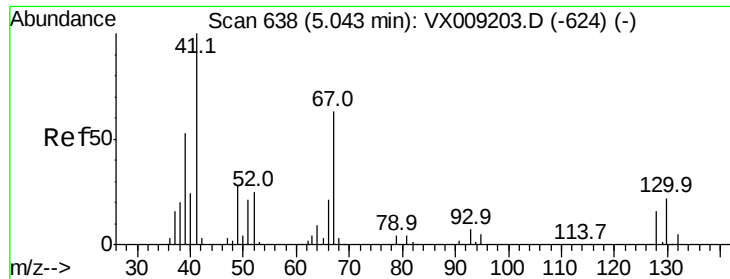
MMDadoda
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#40
Benzene
Concen: 51.854 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





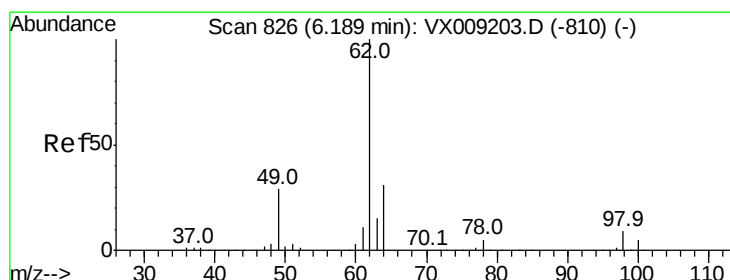
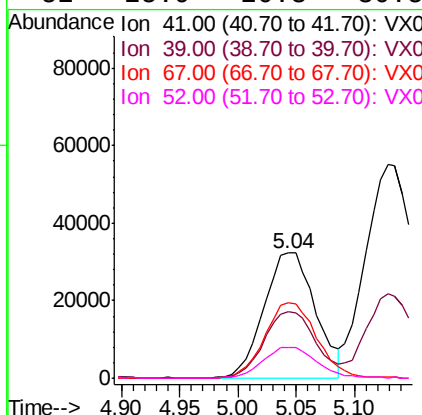
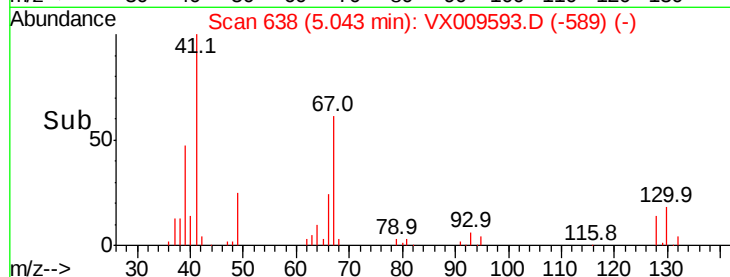
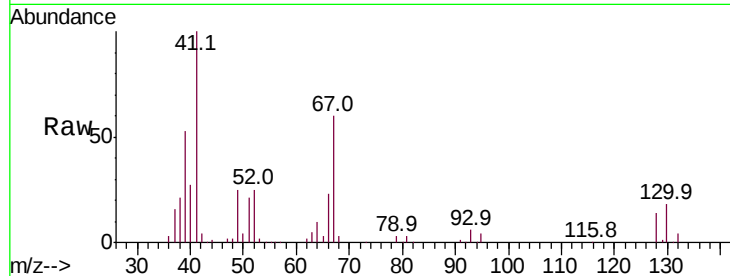
#41
Methacrylonitrile
Concen: 53.597 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.0	63.0
67	61.7	49.8	74.8
52	25.9	20.3	30.5

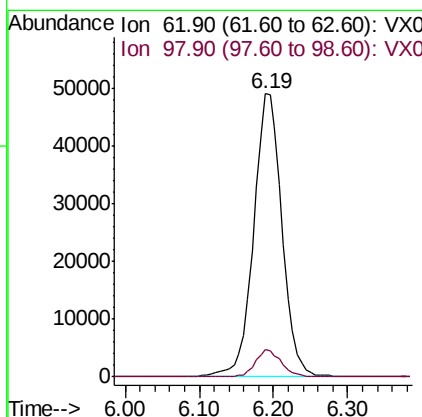
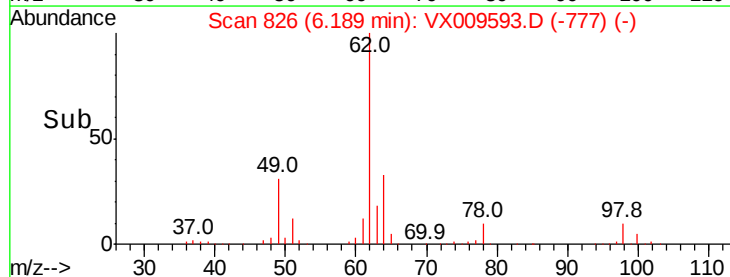
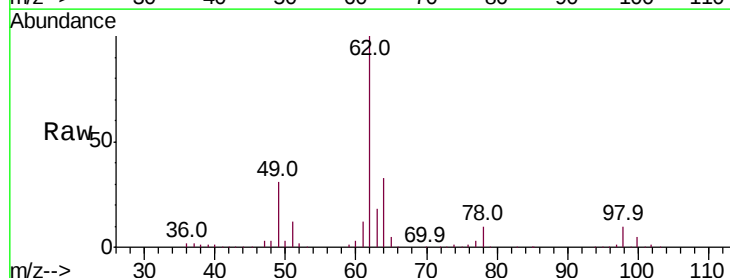
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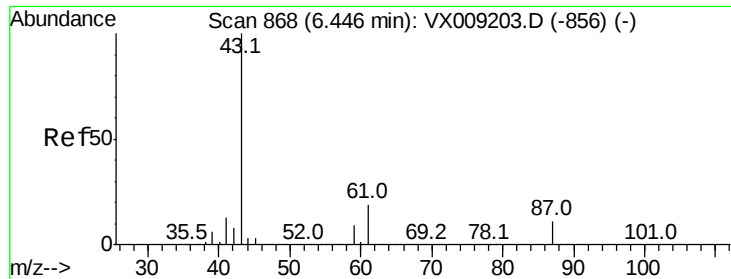
MMDadoda
5/16/2019 12:32:53 PM



#42
1,2-Dichloroethane
Concen: 53.190 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43

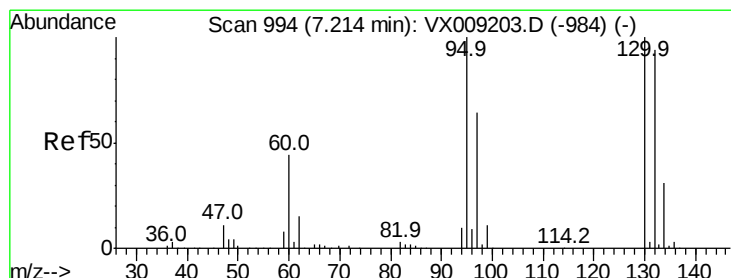
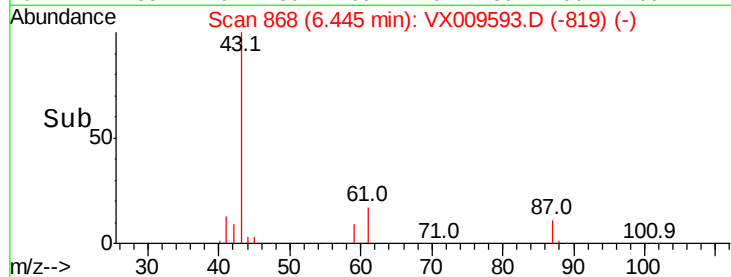
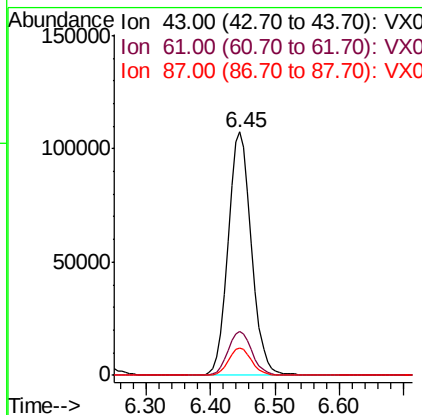
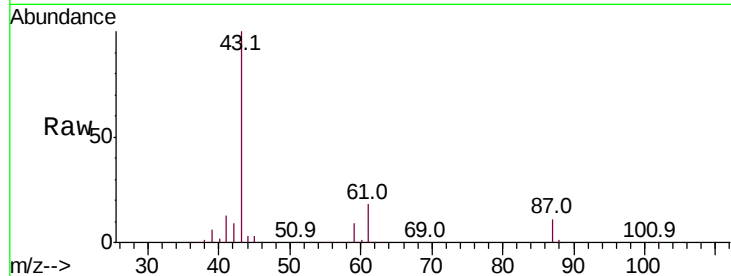
Isopropyl Acetate
 Concen: 54.990 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.1	22.7
87	11.2	9.0	13.6

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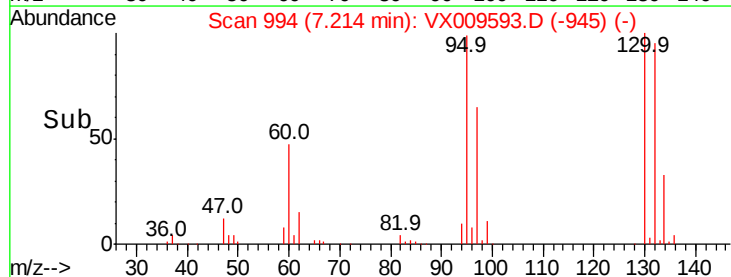
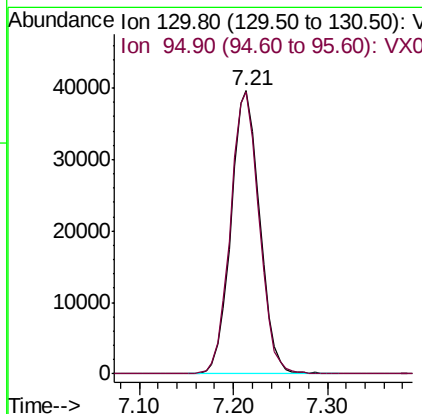
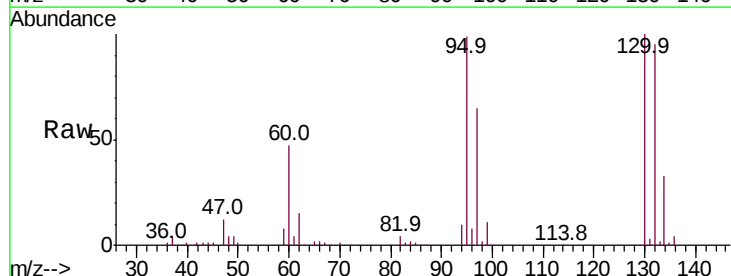
MMDadoda
 5/16/2019 12:32:53 PM

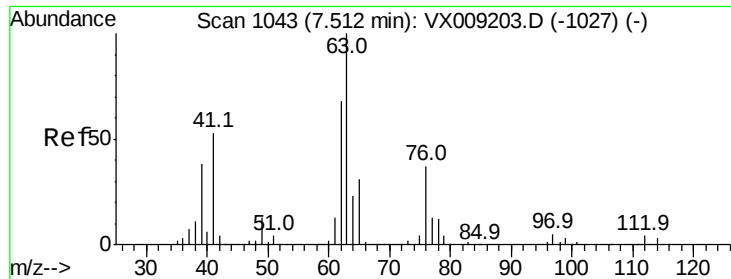


#44

Trichloroethene
 Concen: 50.566 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	199.2





#45

1,2-Dichloropropane

Concen: 52.453 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 101971

Ion Ratio Lower Upper

63 100

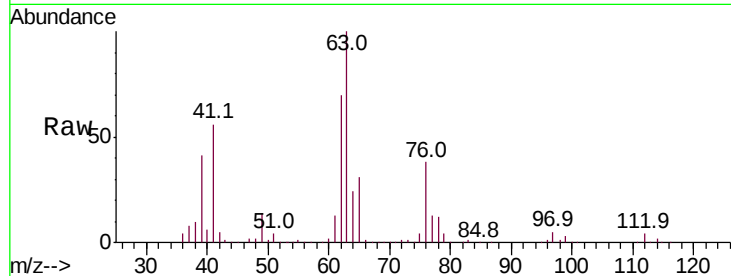
65 31.2 25.0 37.6

Manual Integrations

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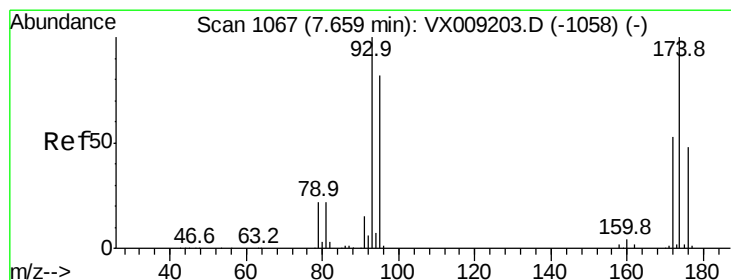
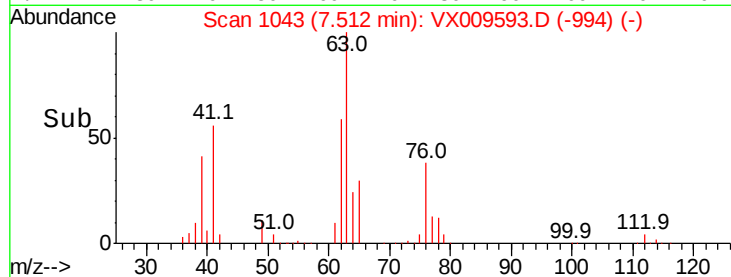
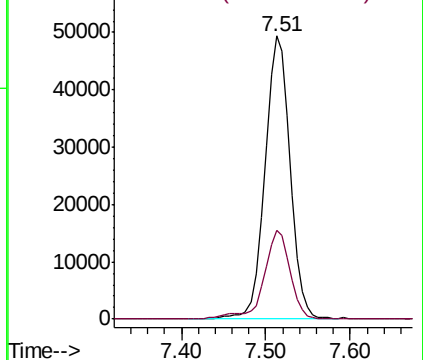
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.369 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

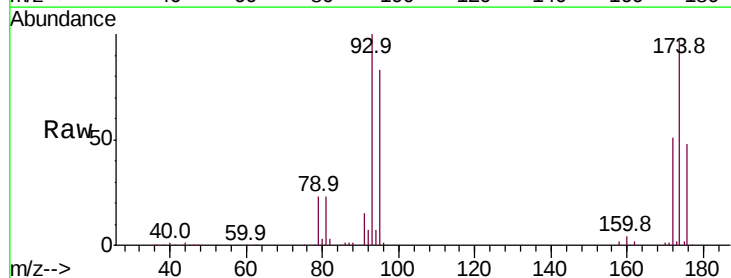
Tgt Ion: 93 Resp: 59120

Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

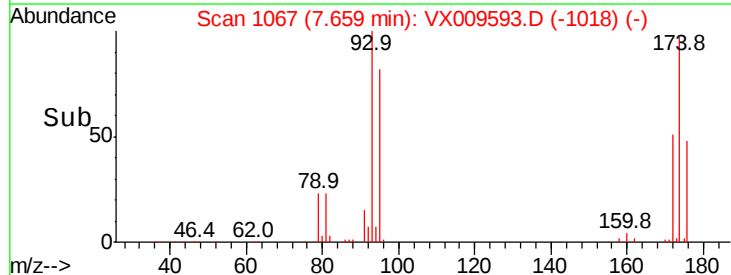
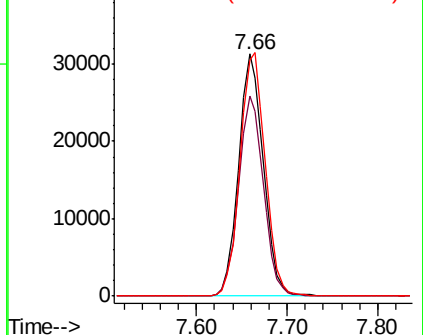
174 102.5 82.1 123.1

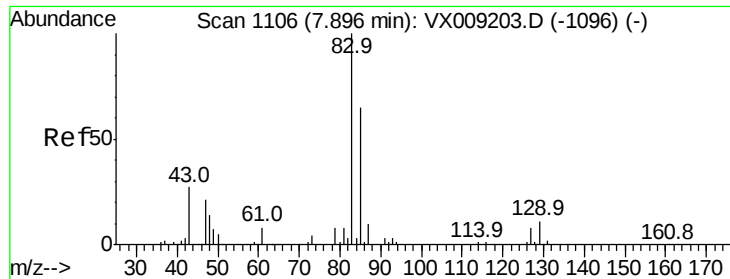


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.803 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

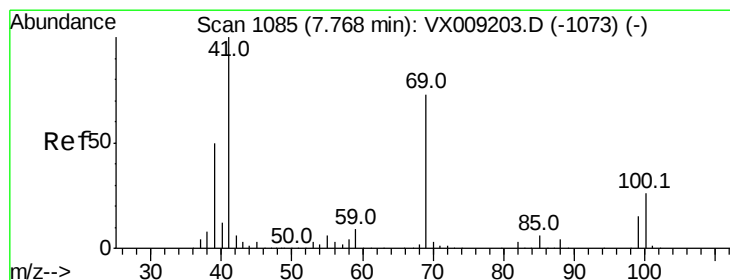
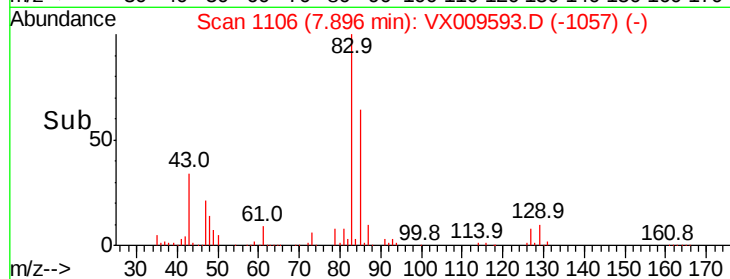
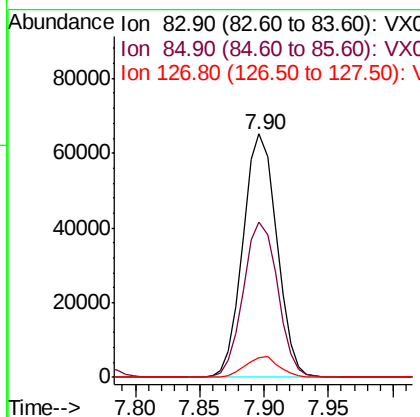
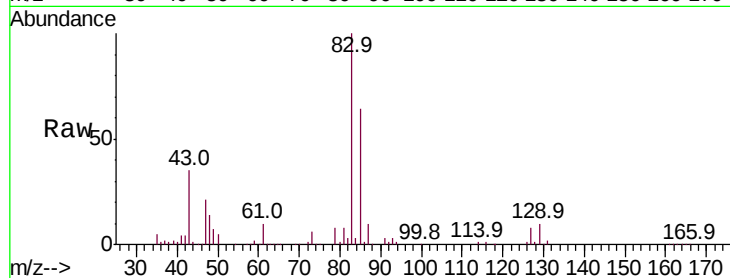
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	118907
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.4	78.6
127	7.8	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.342 ug/l

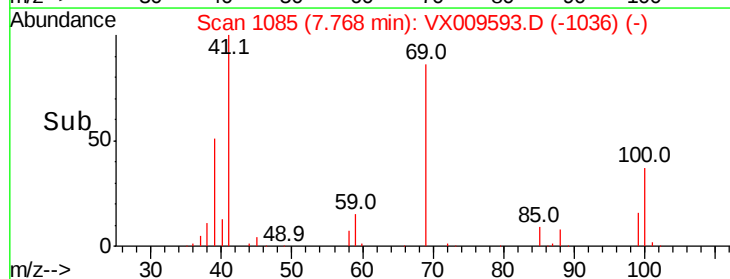
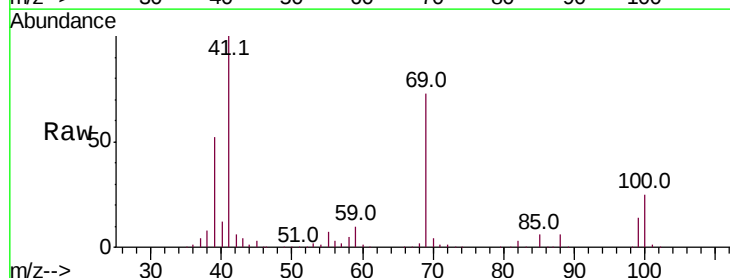
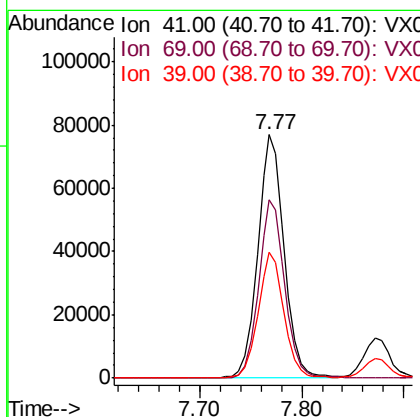
RT: 7.77 min Scan# 1085

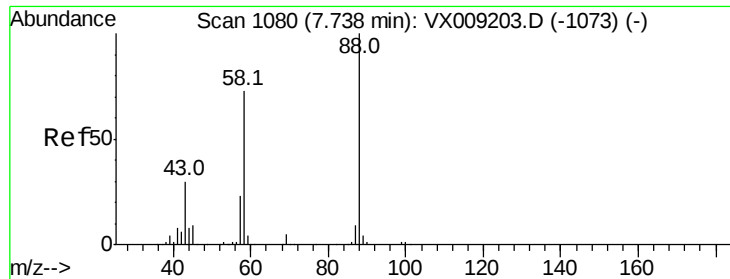
Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Tgt Ion:	41	Resp:	138199
Ion Ratio	Lower	Upper	
41	100		
69	72.4	59.1	88.7
39	50.9	40.4	60.6





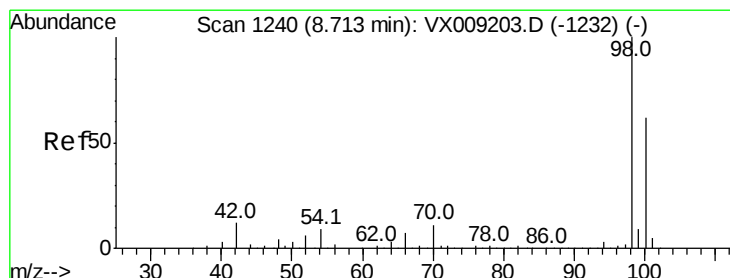
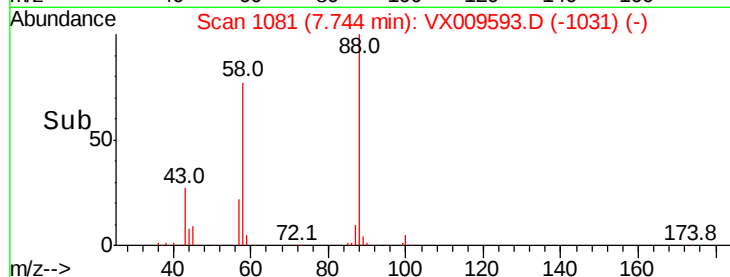
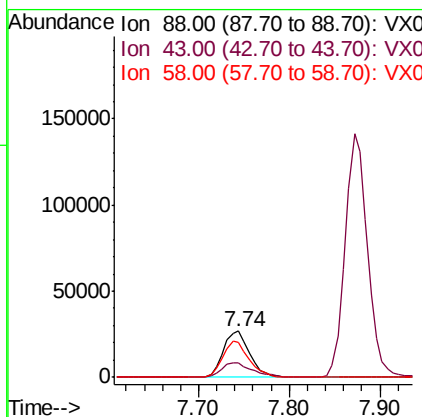
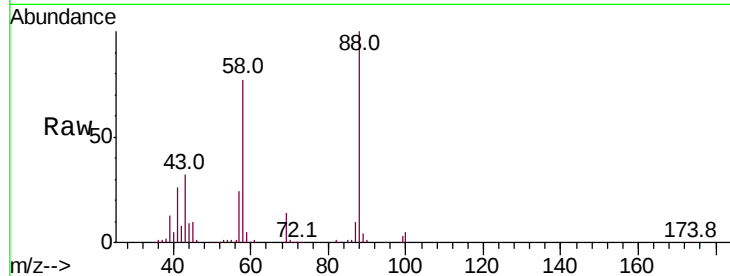
#49
1,4-Dioxane
Concen: 1085.042 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	28.6	42.8
58	78.8	61.7	92.5

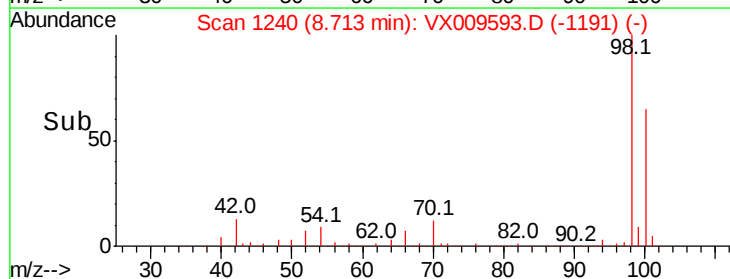
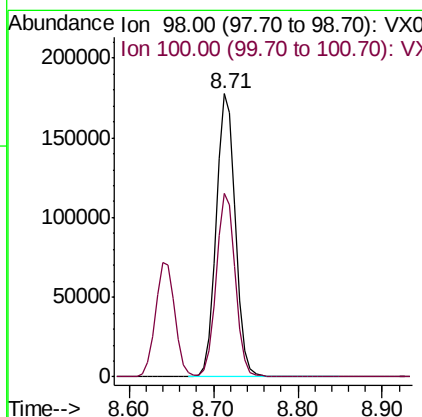
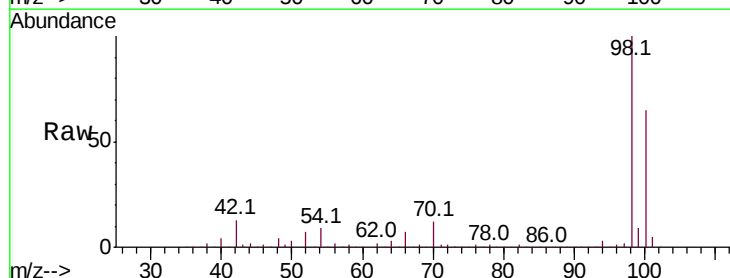
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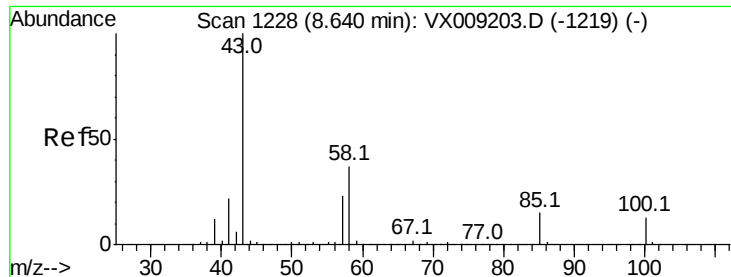
MMDadoda
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#50
Toluene-d8
Concen: 46.451 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 289.639 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 935977

Ion Ratio Lower Upper

43 100

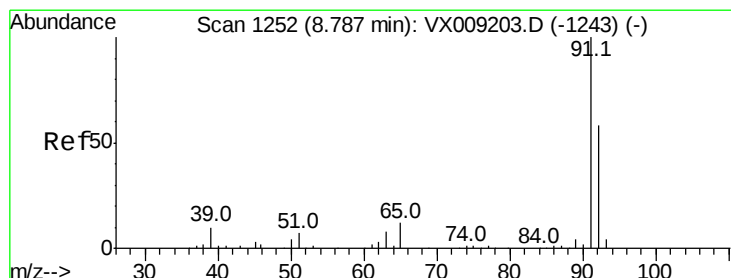
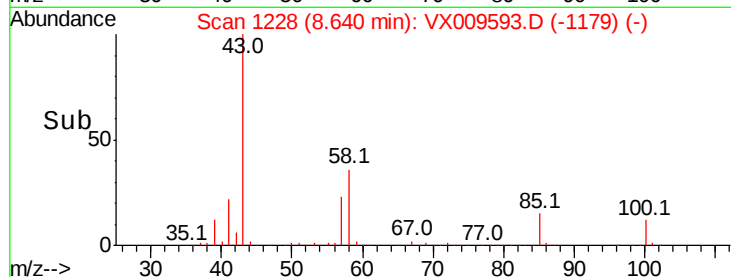
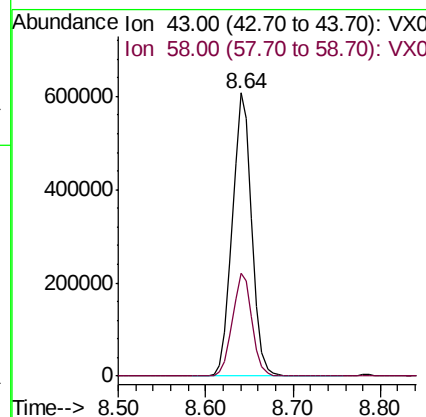
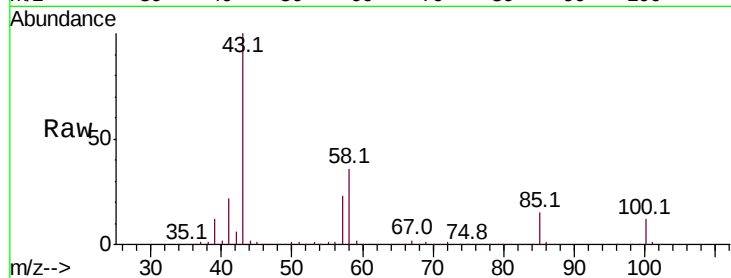
58 36.4 29.5 44.3

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#52

Toluene

Concen: 52.186 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009593.D

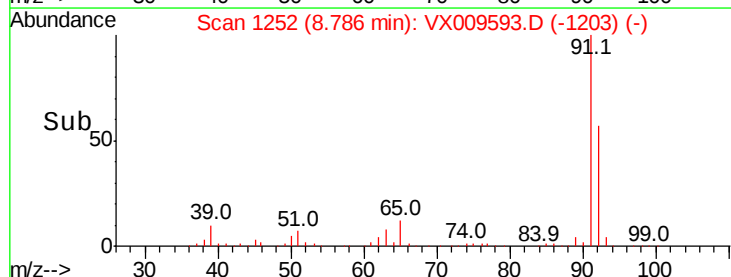
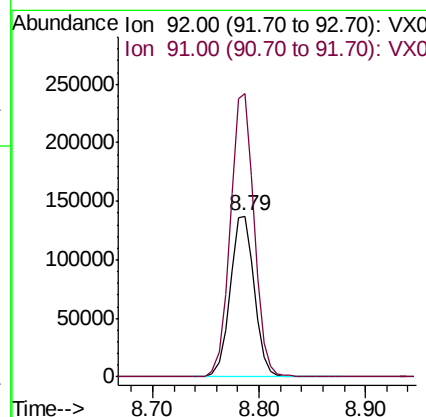
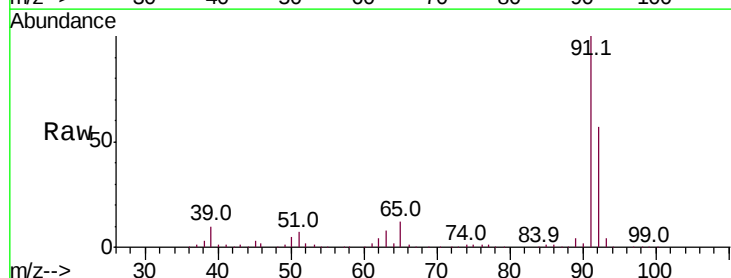
Acq: 15 May 2019 20:18

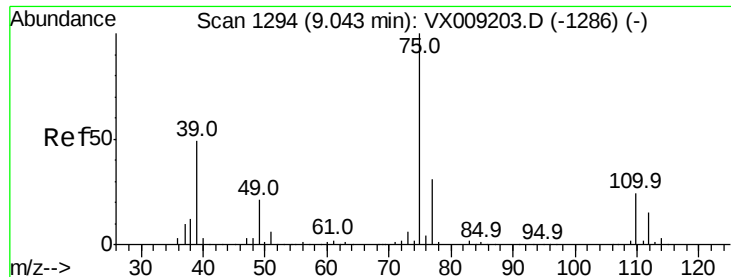
Tgt Ion: 92 Resp: 217792

Ion Ratio Lower Upper

92 100

91 174.4 138.8 208.2





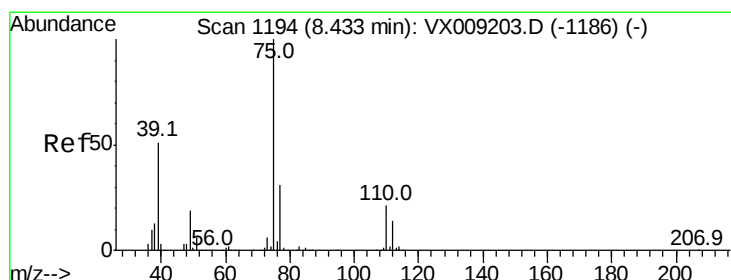
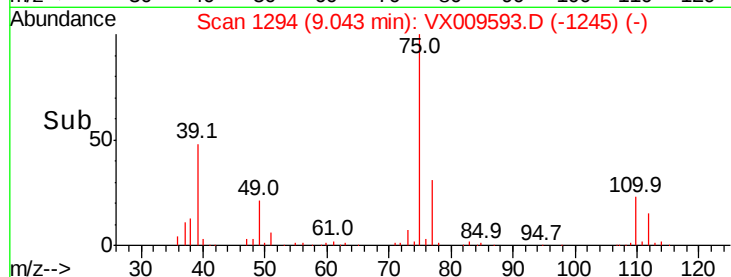
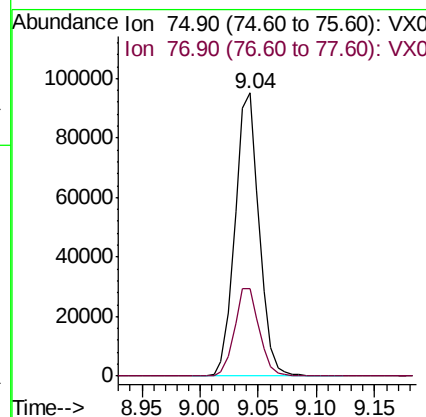
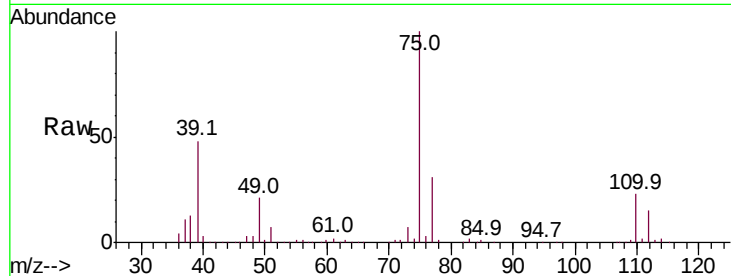
#53
 t-1,3-Dichloropropene
 Concen: 53.869 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.6

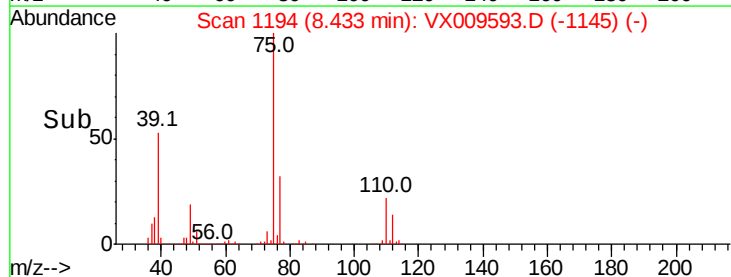
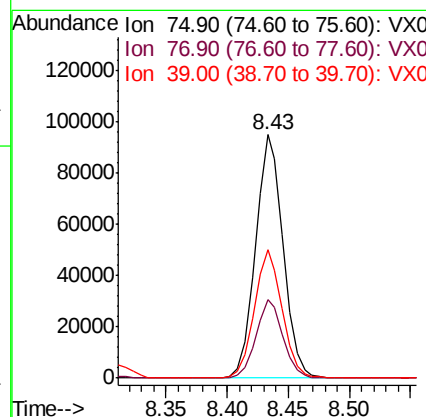
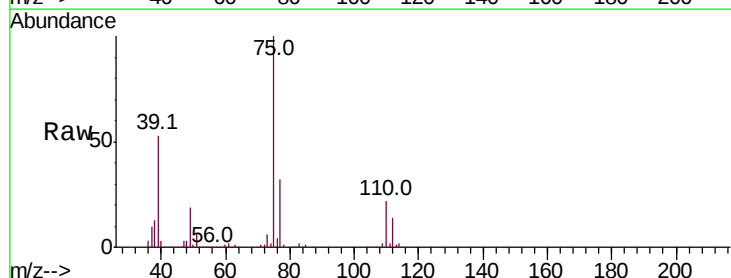
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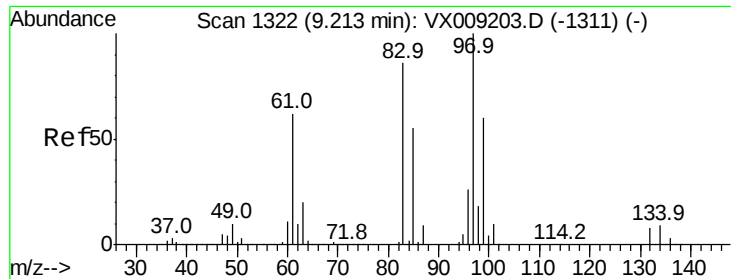
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 52.904 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.6	36.8
39	52.8	40.6	60.8





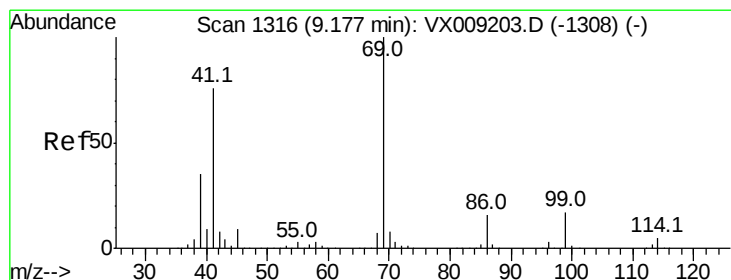
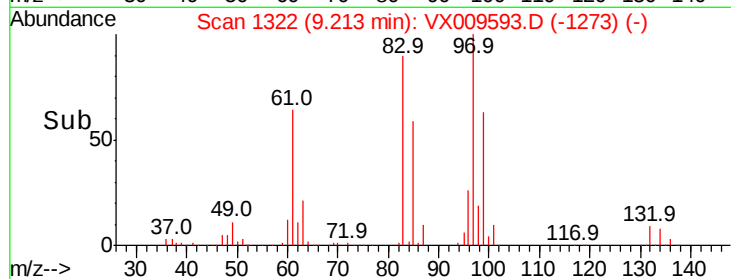
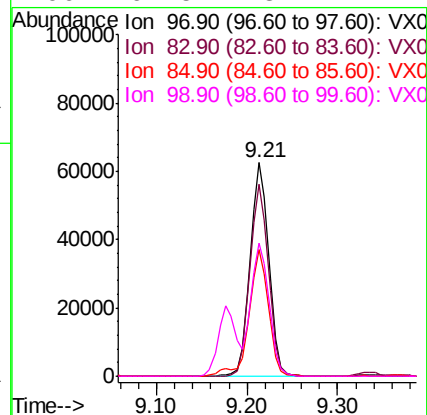
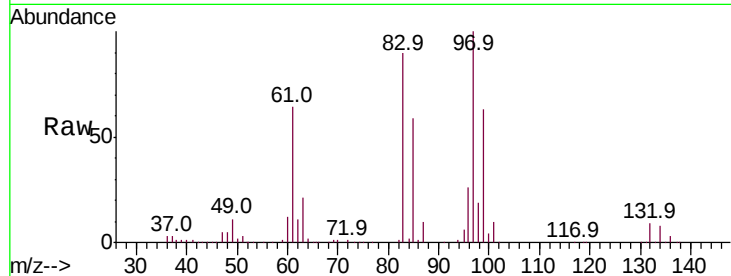
#55
 1,1,2-Trichloroethane
 Concen: 52.523 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	89427
Ion Ratio	Lower	Upper	
97	100		
83	89.8	68.9	103.3
85	59.1	43.8	65.6
99	62.5	48.2	72.2

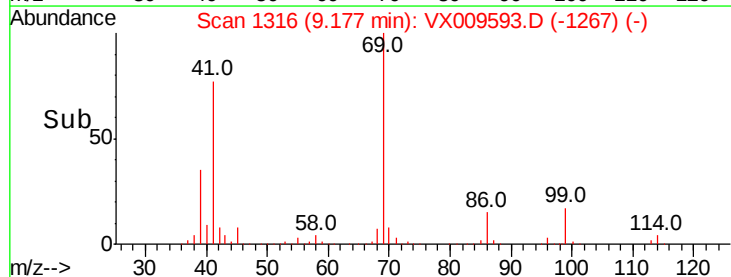
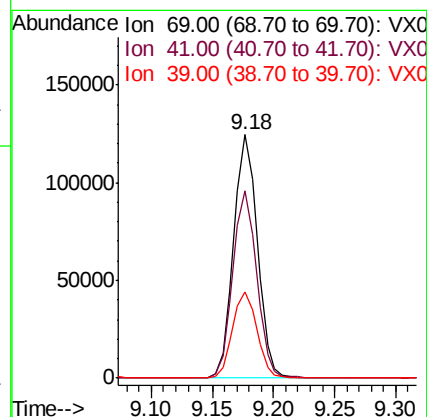
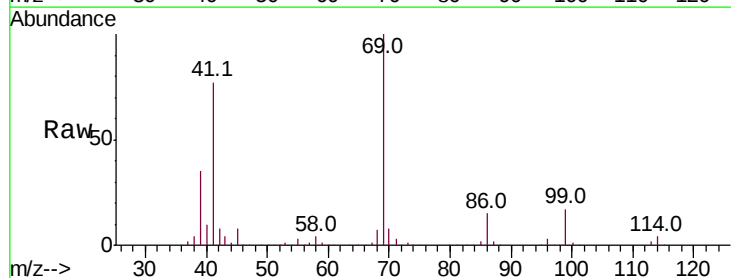
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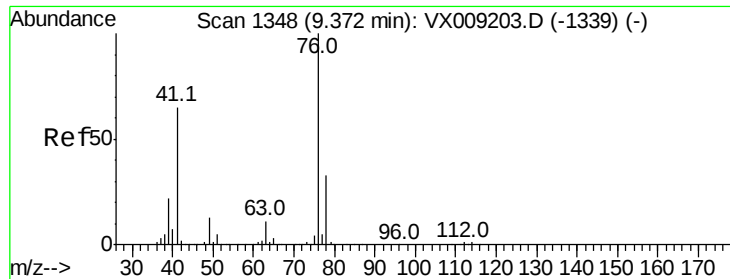
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#56
 Ethyl methacrylate
 Concen: 55.148 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Tgt Ion	69	Resp	167611
Ion Ratio	Lower	Upper	
69	100		
41	77.2	60.6	90.8
39	36.3	28.2	42.4





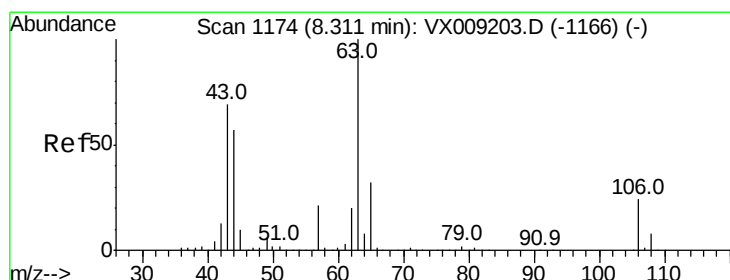
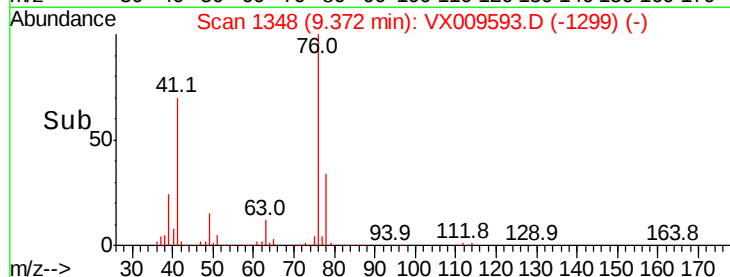
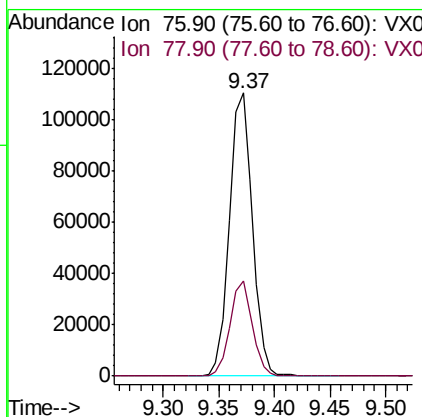
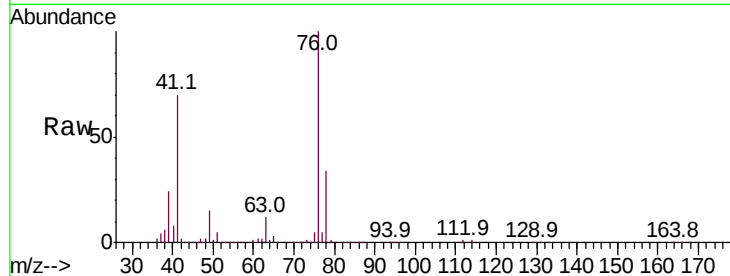
#57
 1,3-Dichloropropane
 Concen: 52.756 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 158069
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3

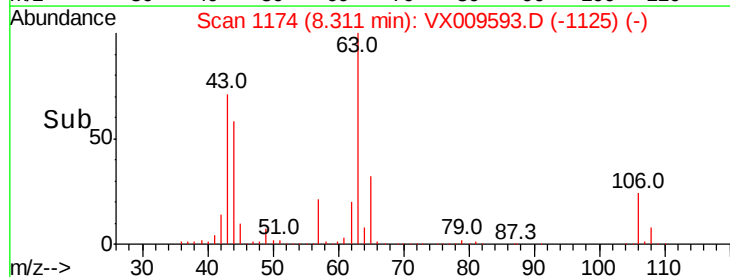
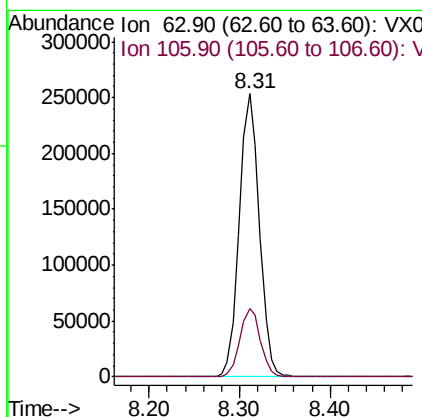
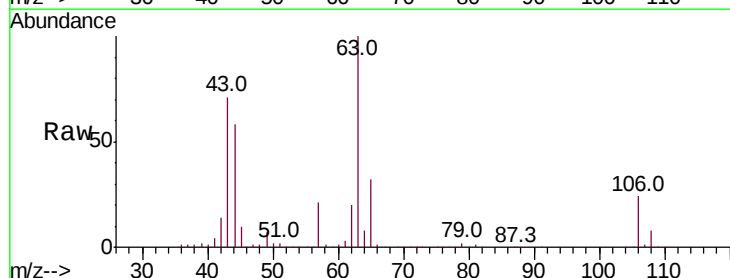
Manual Integrations
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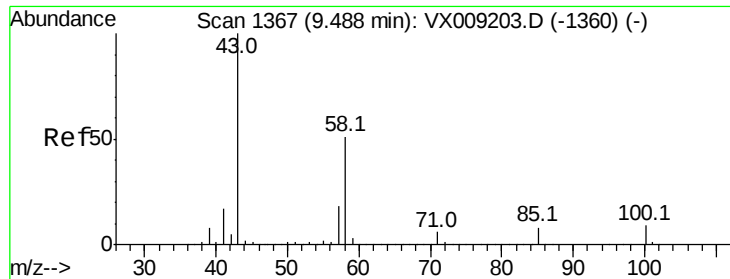
MMDadoda
 5/16/2019 12:32:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.242 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Tgt Ion: 63 Resp: 390575
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5





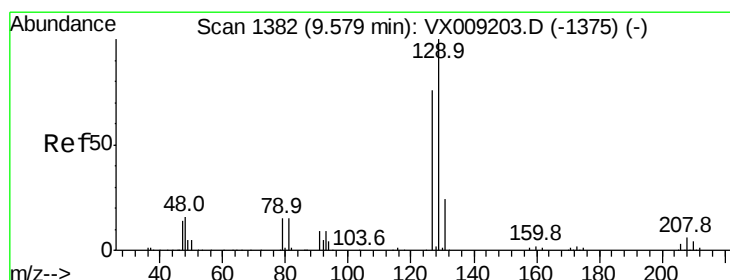
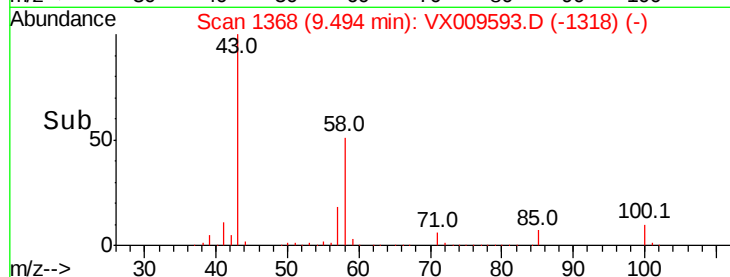
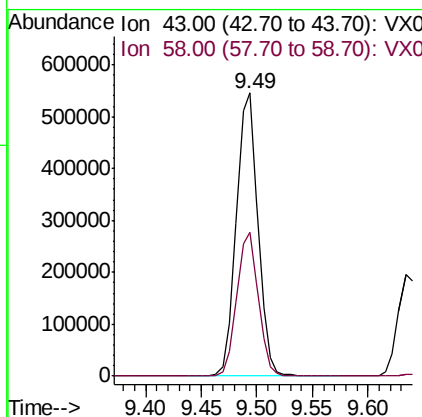
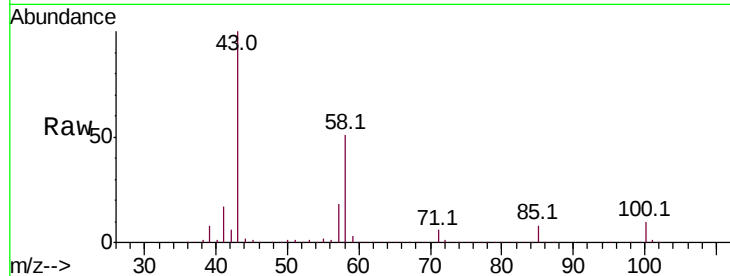
#59
2-Hexanone
Concen: 288.709 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 732745
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.7

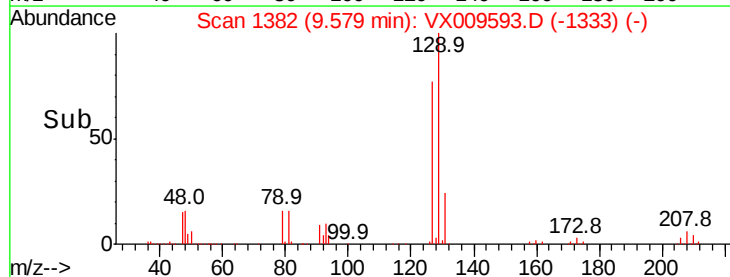
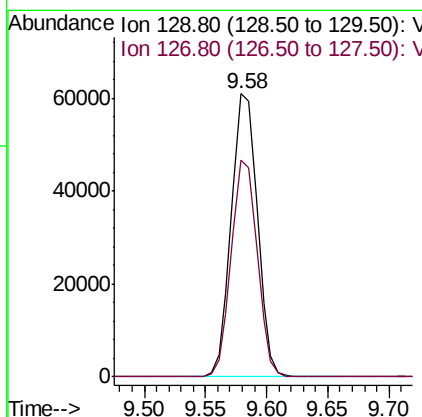
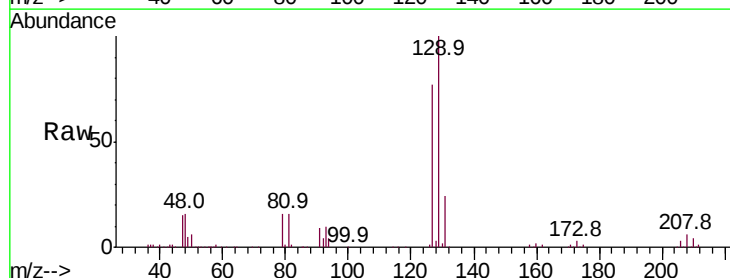
Manual Integrations
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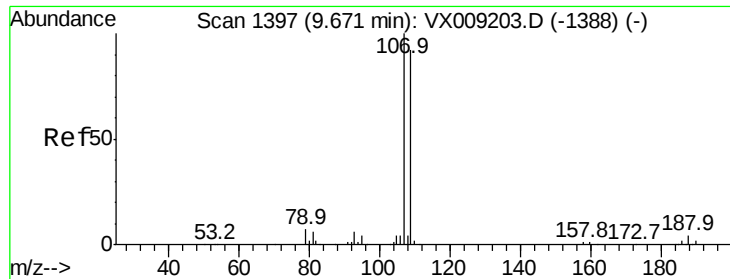
MMDadoda
5/16/2019 12:32:53 PM



#60
Dibromochloromethane
Concen: 54.294 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion: 129 Resp: 90287
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 53.384 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 91750

Ion Ratio Lower Upper

107 100

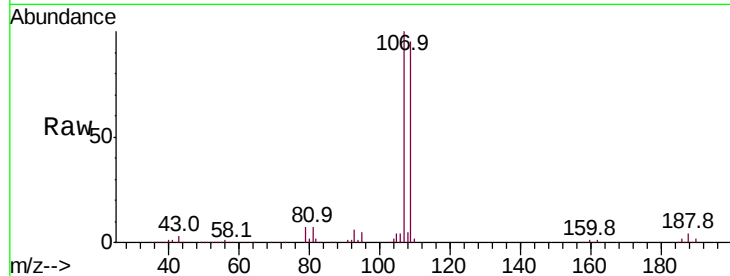
109 94.1 75.2 112.8

Manual Integrations

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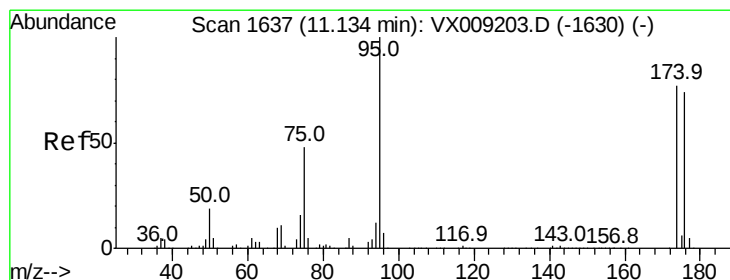
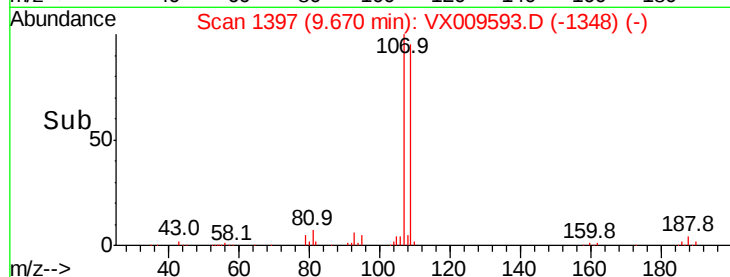
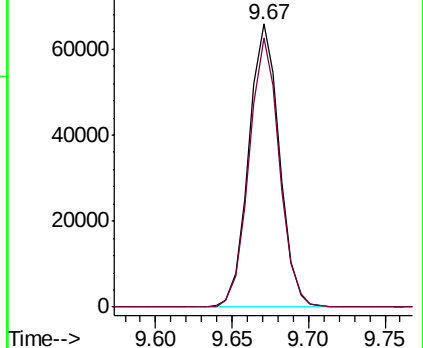
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.587 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

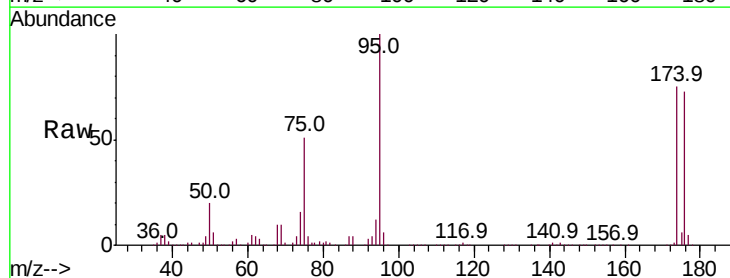
Tgt Ion: 95 Resp: 106960

Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.6

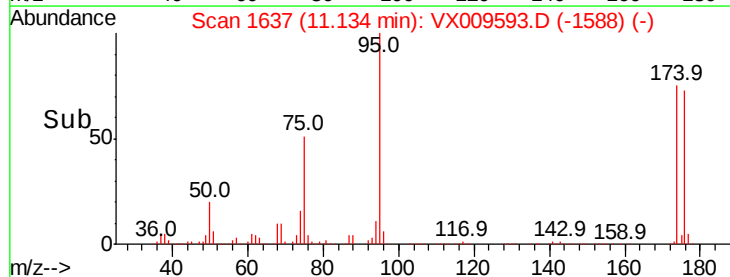
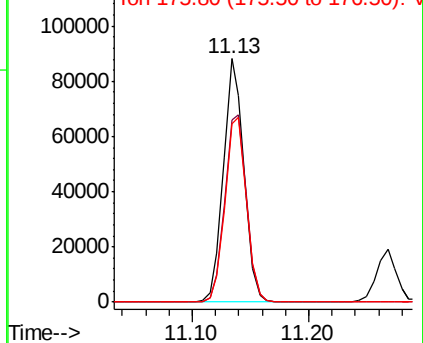
176 79.6 0.0 159.2

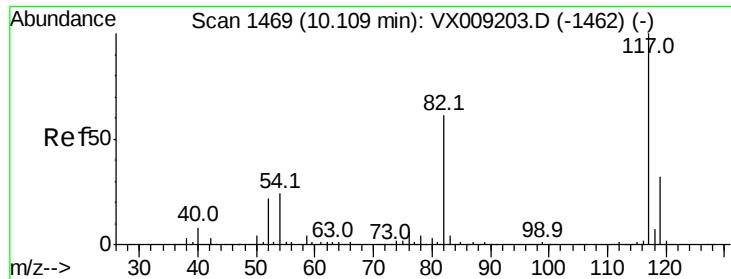


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





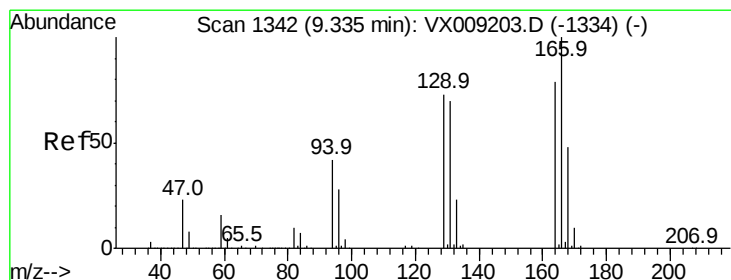
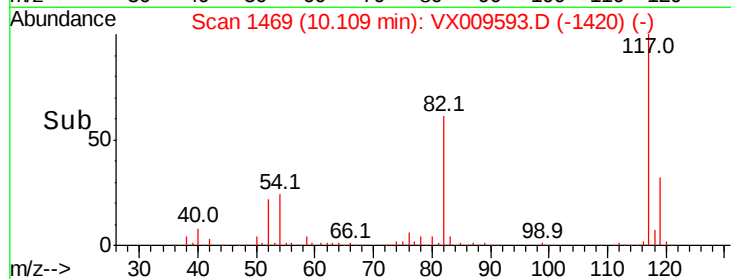
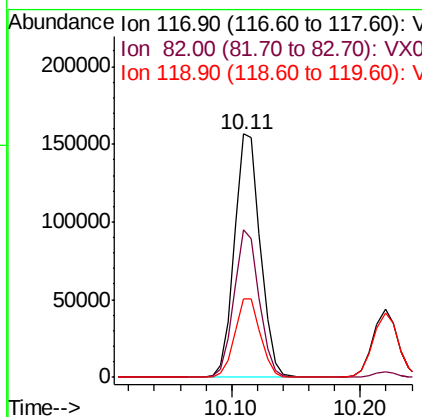
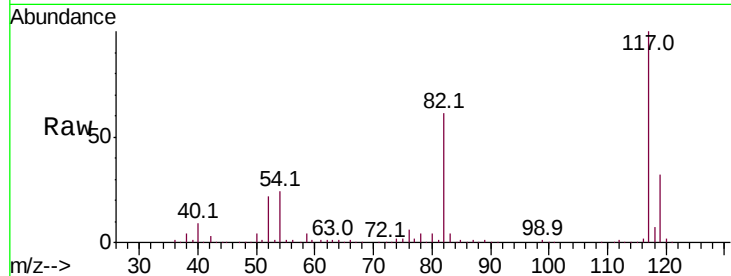
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	219267		
82	60.7	48.8	73.2	
119	32.1	25.8	38.6	

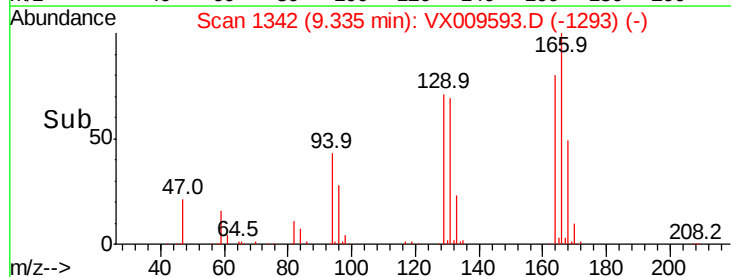
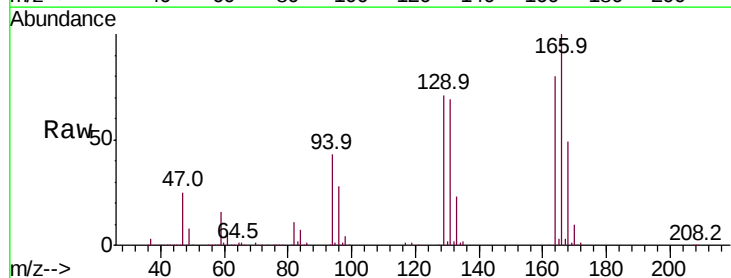
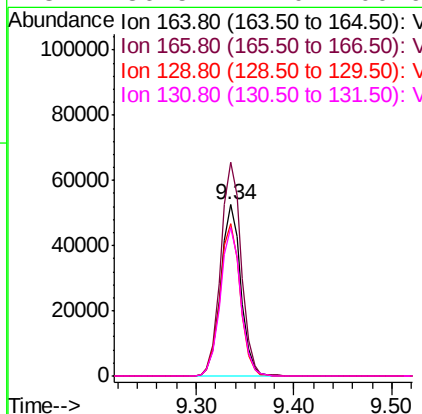
Manual Integrations
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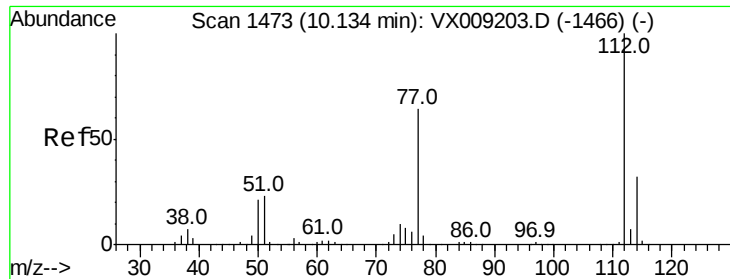
MMDadoda
5/16/2019 12:32:53 PM



#64
Tetrachloroethene
Concen: 49.658 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74689		
166	124.8	101.2	151.8	
129	88.9	74.3	111.5	
131	86.5	71.0	106.6	





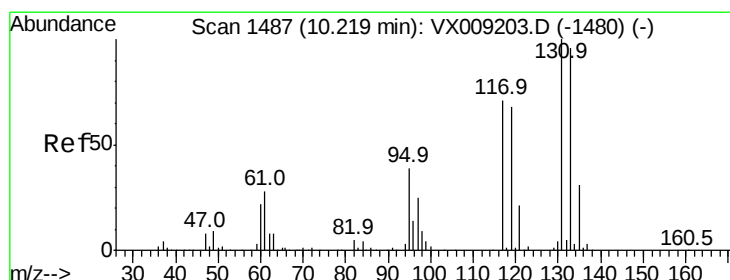
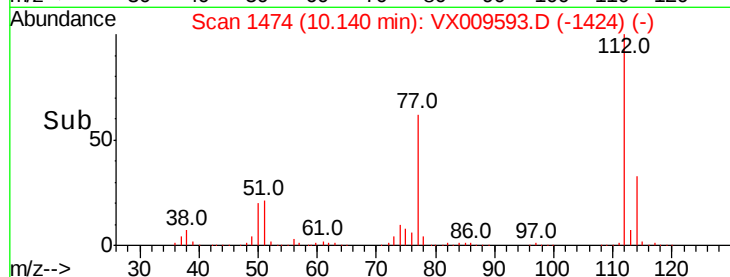
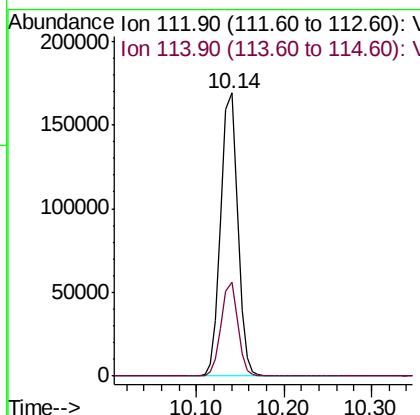
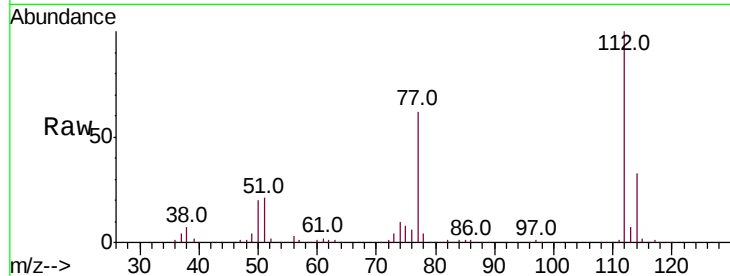
#65
Chlorobenzene
Concen: 51.903 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 227664
Ion Ratio Lower Upper
112 100
114 33.0 25.5 38.3

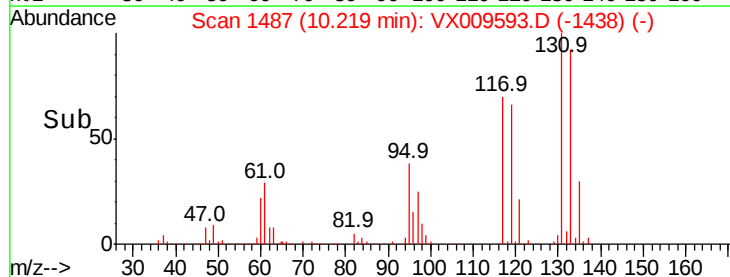
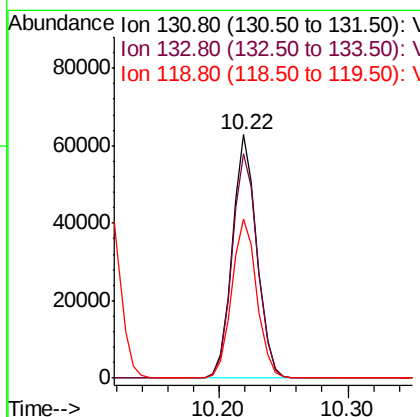
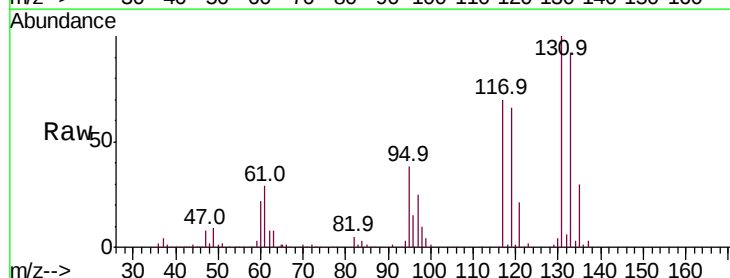
Manual Integrations
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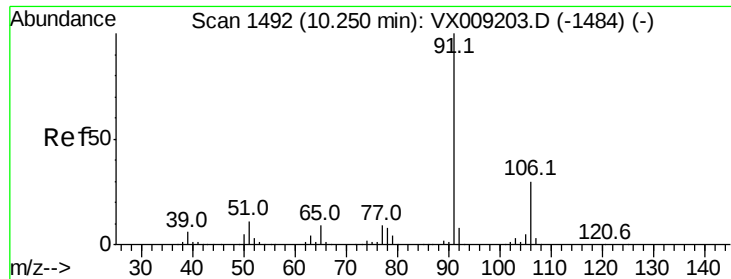
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.435 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion:131 Resp: 83384
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 67.0 33.5 100.4





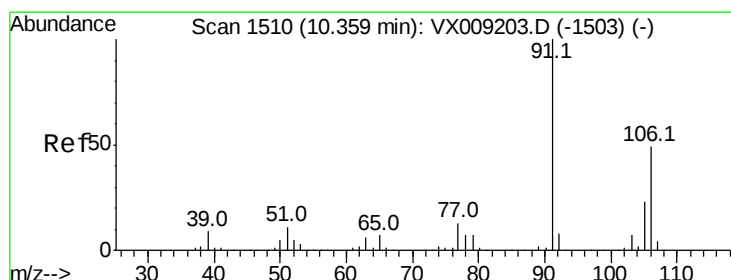
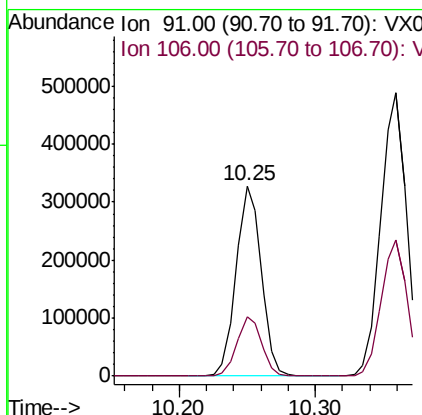
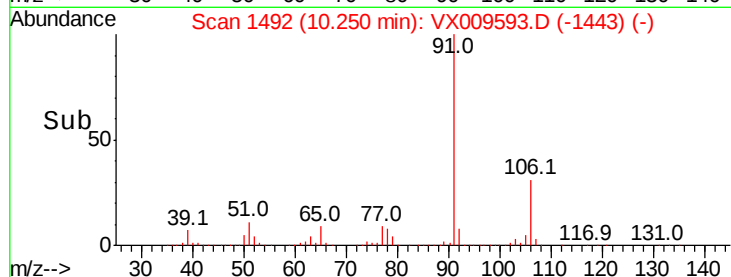
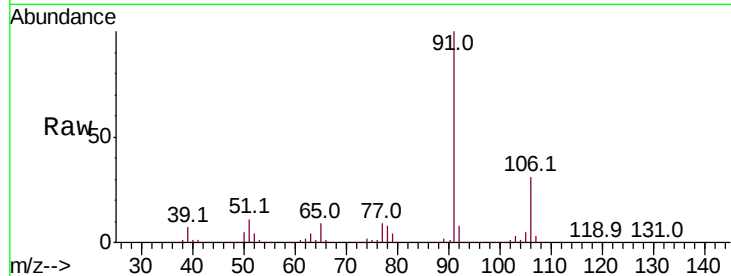
#67
Ethyl Benzene
Concen: 52.132 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 420837
Ion Ratio Lower Upper
91 100
106 30.9 24.0 36.0

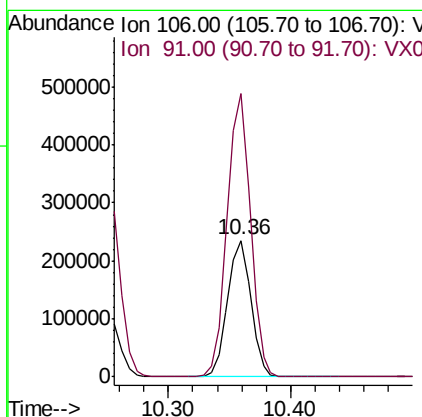
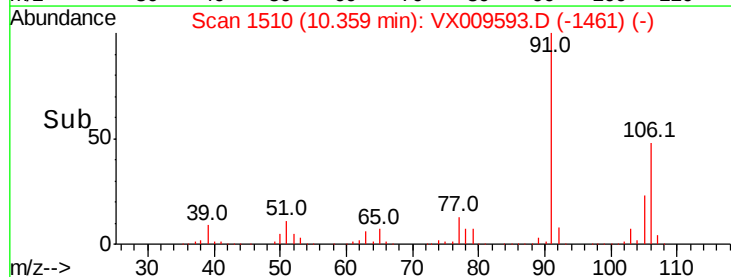
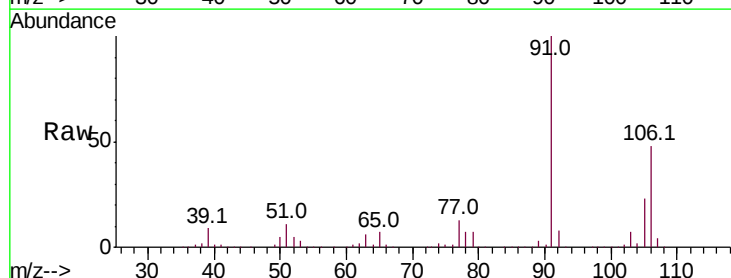
Manual Integrations
APPROVED

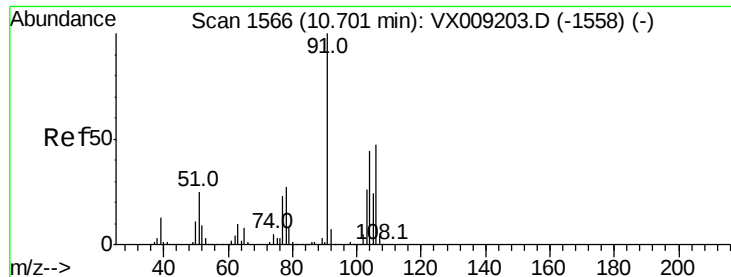
MMDadoda
5/16/2019 12:32:53 PM



#68
m/p-Xylenes
Concen: 105.709 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion: 106 Resp: 311837
Ion Ratio Lower Upper
106 100
91 207.2 164.0 246.0





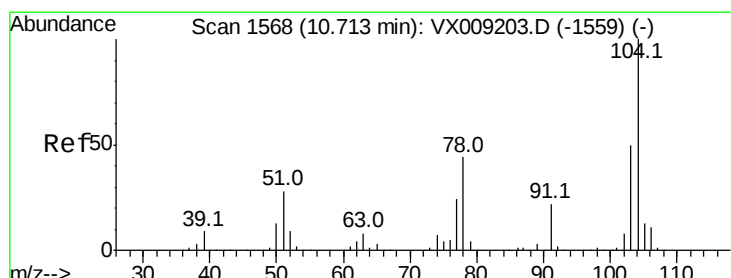
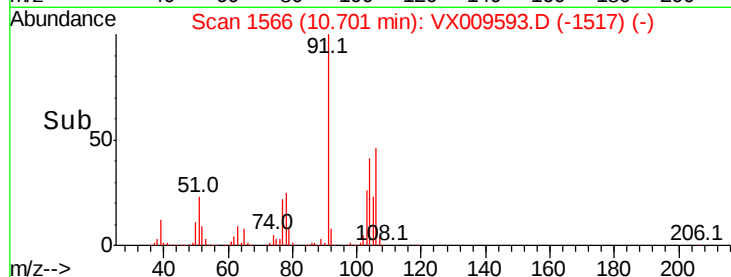
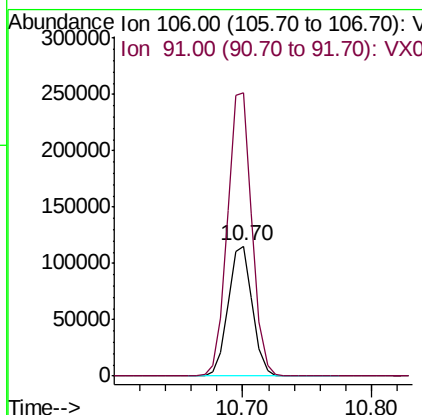
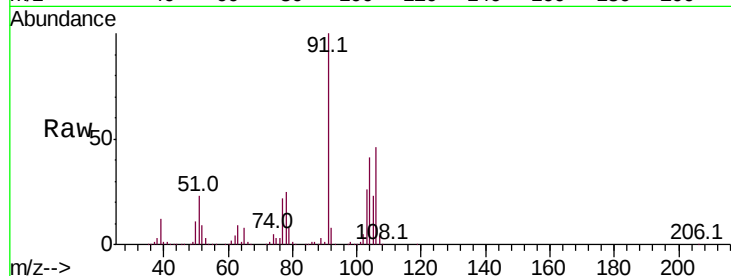
#69
o-Xylene
Concen: 52.237 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 152038
Ion Ratio Lower Upper
106 100
91 220.7 109.5 328.4

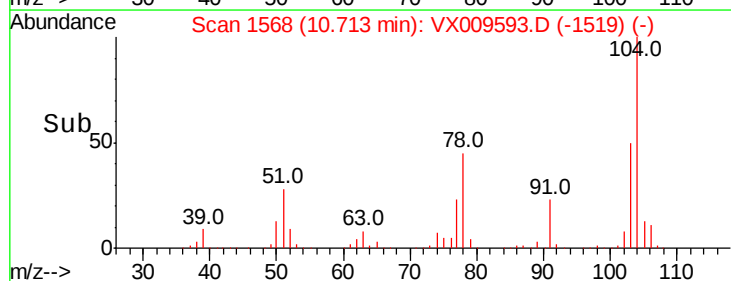
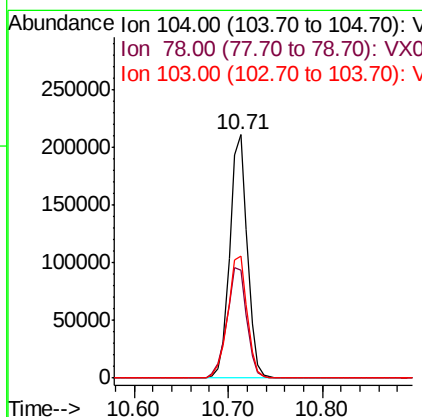
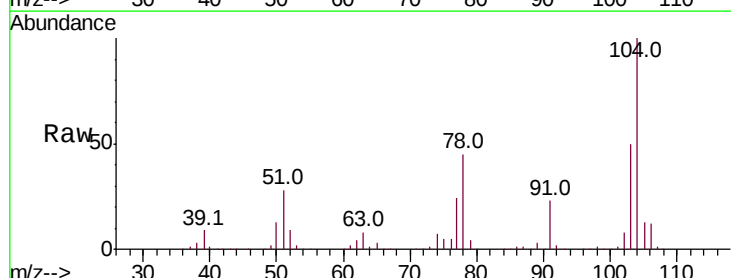
Manual Integrations
APPROVED

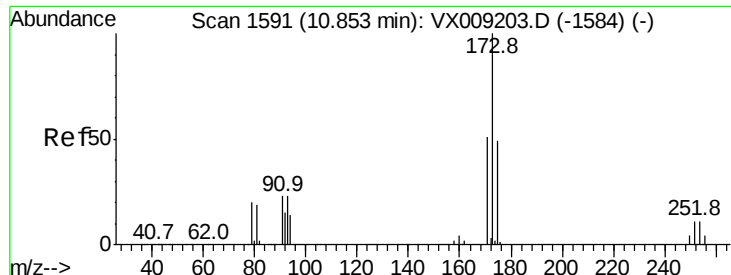
MMDadoda
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#70
Styrene
Concen: 53.751 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion:104 Resp: 271913
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.4
103 55.2 43.8 65.6





#71

Bromoform

Concen: 55.013 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 71093

Ion Ratio Lower Upper

173 100

175 48.0 24.5 73.5

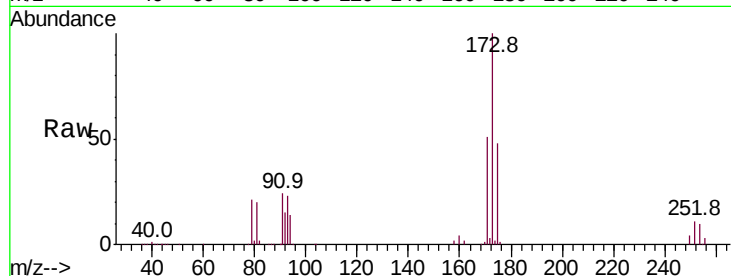
254 0.3 0.1 0.1#

Manual Integrations

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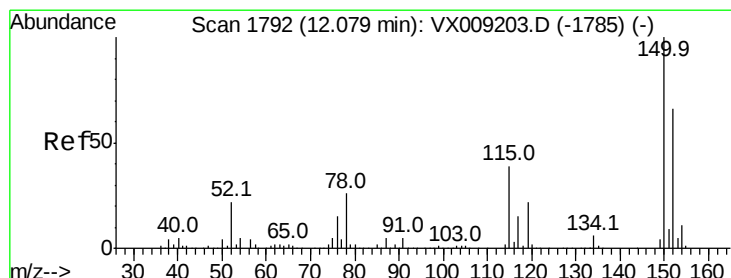
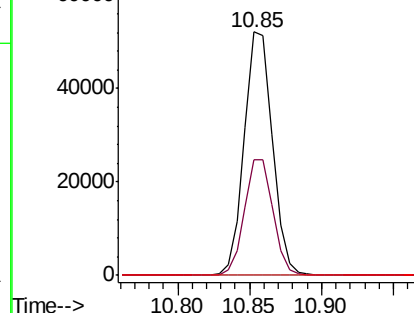
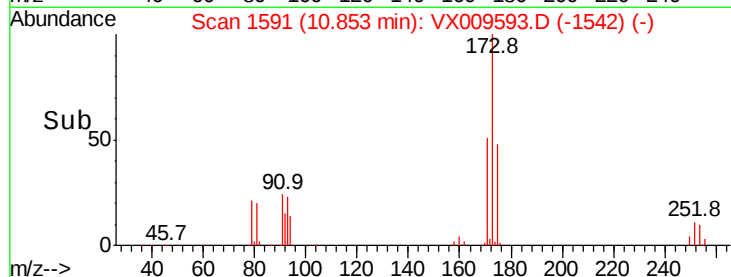
5/16/2019 12:32:53 PM



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: VX009593.D

Acq: 15 May 2019 20:18

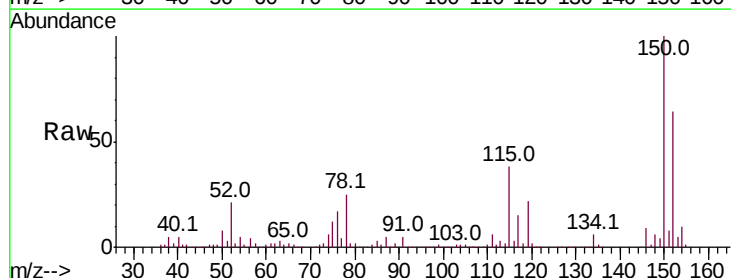
Tgt Ion:152 Resp: 111531

Ion Ratio Lower Upper

152 100

115 82.1 41.2 123.6

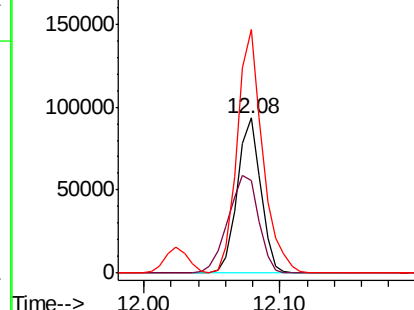
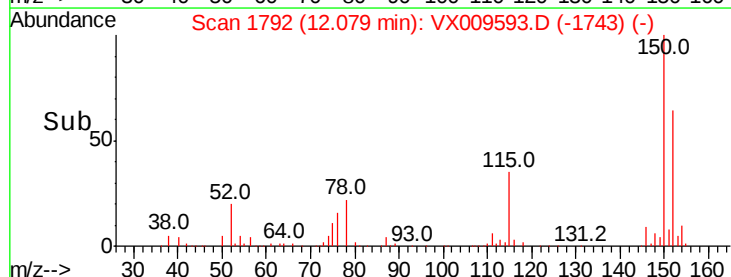
150 171.0 0.0 346.4

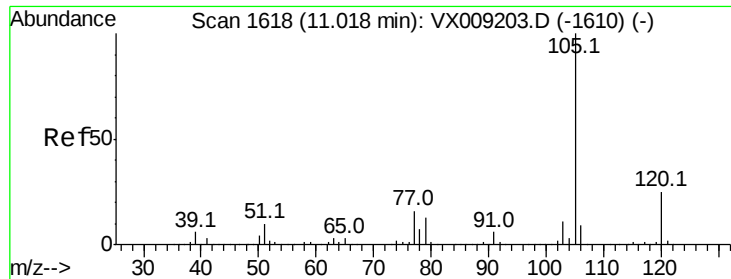


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





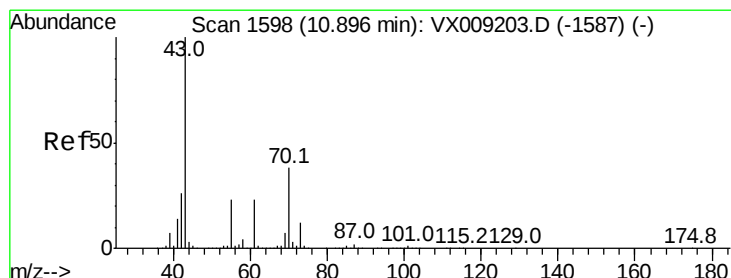
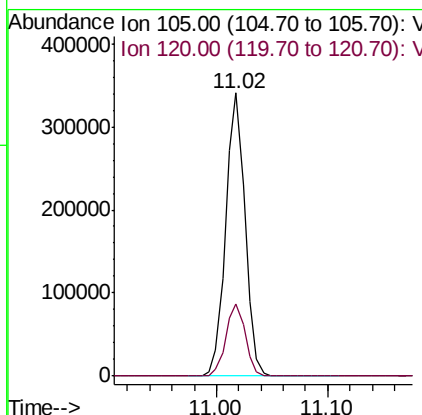
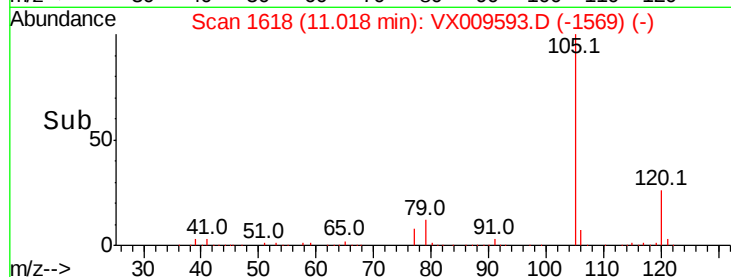
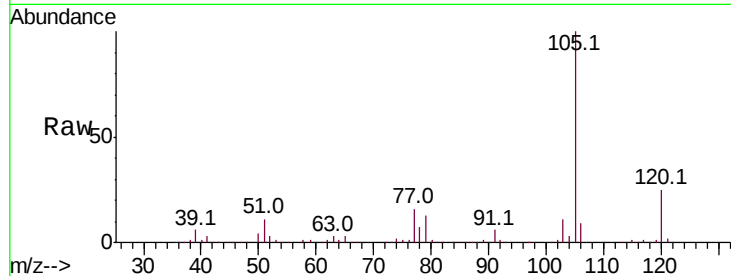
#73
Isopropylbenzene
Concen: 50.160 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.3

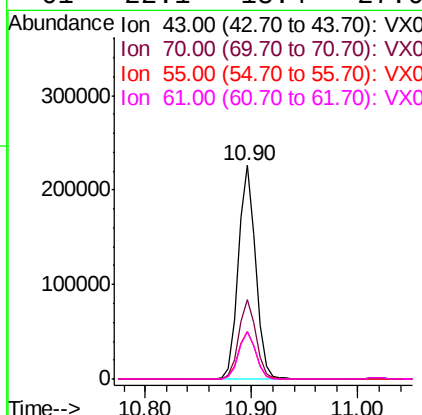
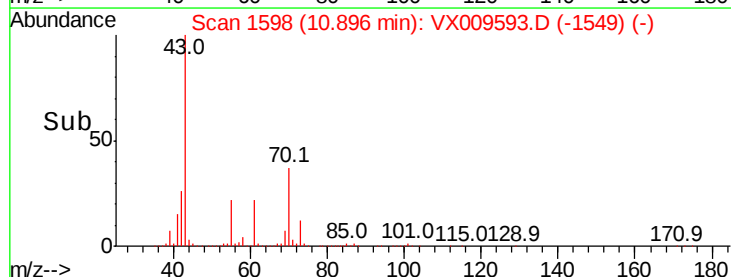
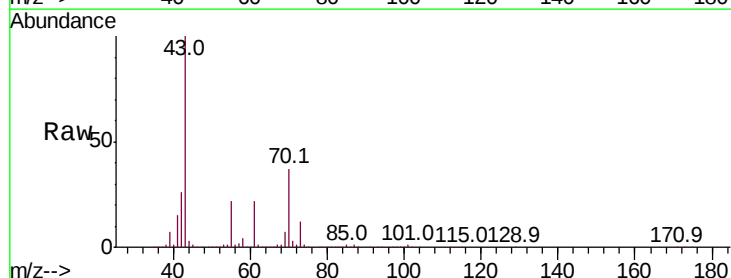
Manual Integrations
APPROVED

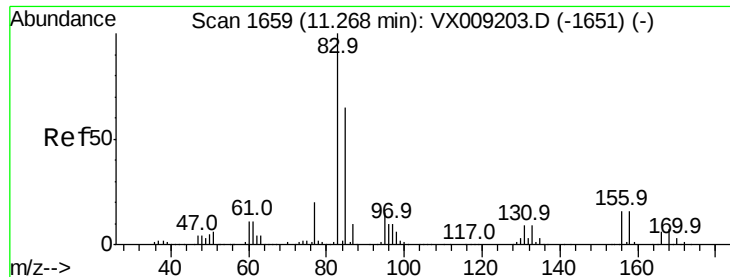
MMDadoda
5/16/2019 12:32:53 PM



#74
N-ethyl acetate
Concen: 54.265 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.0	30.0	45.0
55	22.4	17.9	26.9
61	22.1	18.4	27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.686 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

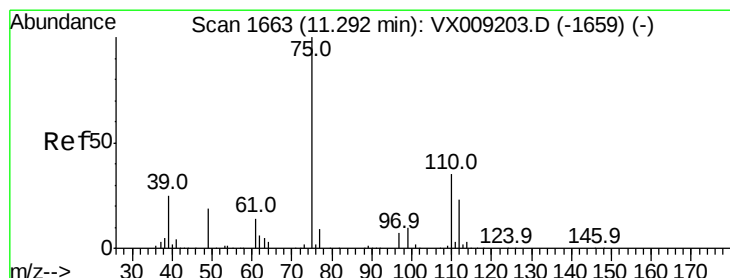
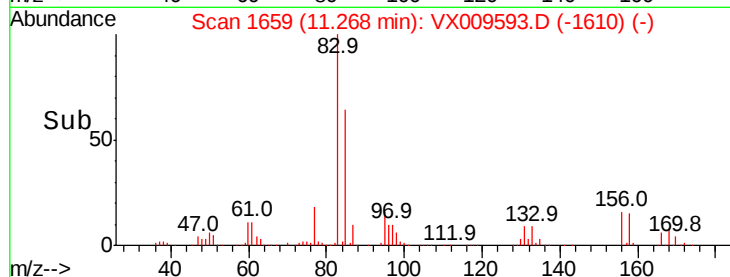
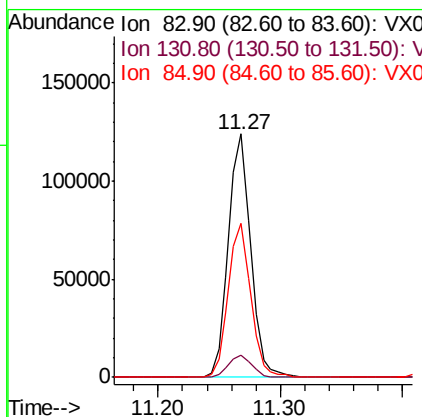
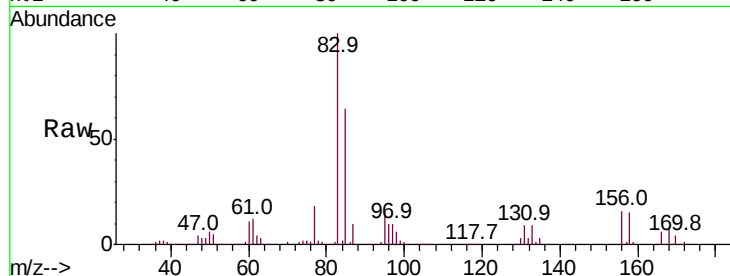
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	156268
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	64.1	32.0	96.2

Manual Integrations
APPROVED

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5/16/2019 12:32:53 PM



#76

1,2,3-Trichloropropane

Concen: 51.781 ug/l m

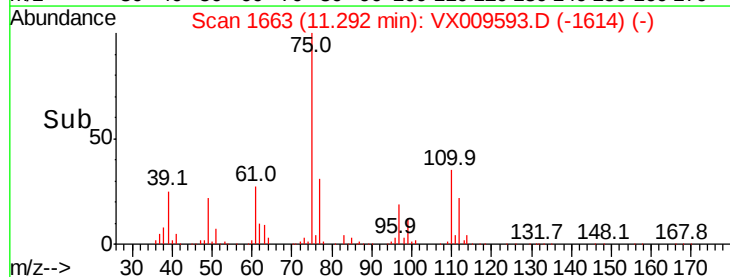
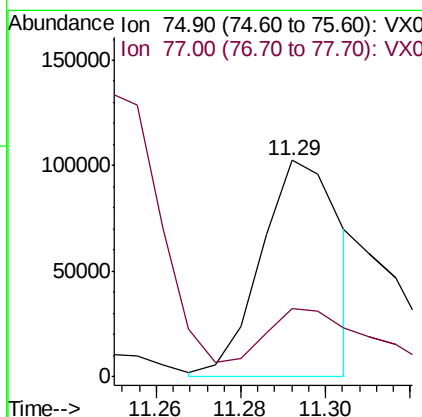
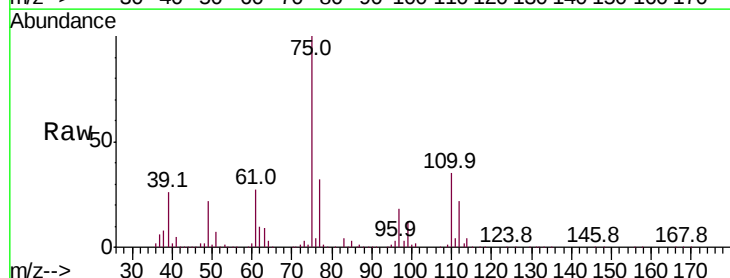
RT: 11.29 min Scan# 1663

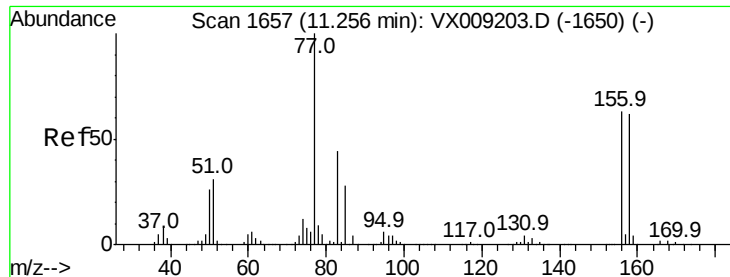
Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Tgt Ion:	75	Resp:	133963
Ion Ratio	Lower	Upper	
75	100		
77	44.2	22.1	66.1





#77

Bromobenzene

Concen: 51.684 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 104042

Ion Ratio Lower Upper

156 100

77 166.0 84.8 254.3

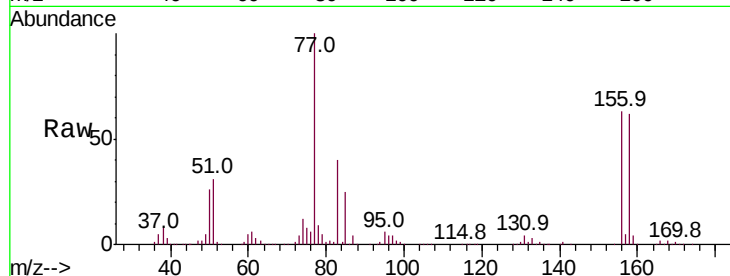
158 95.6 49.1 147.3

Manual Integrations

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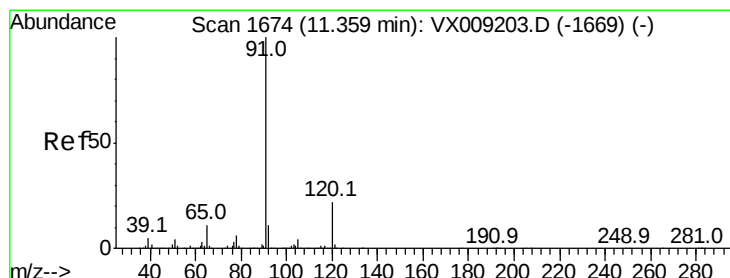
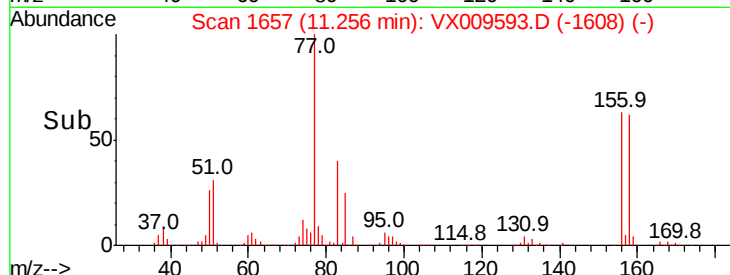
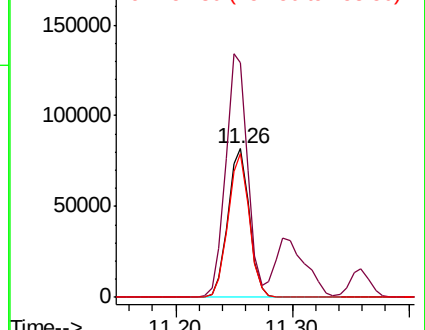
5/16/2019 12:32:53 PM



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: 50.795 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009593.D

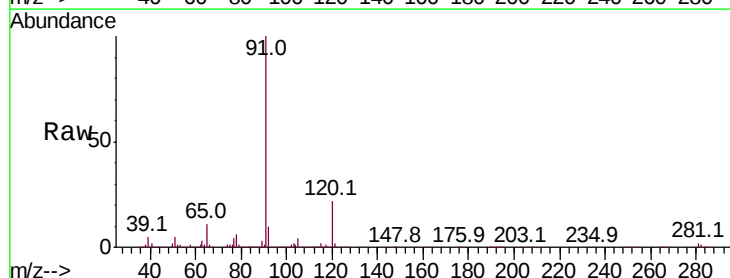
Acq: 15 May 2019 20:18

Tgt Ion: 91 Resp: 470492

Ion Ratio Lower Upper

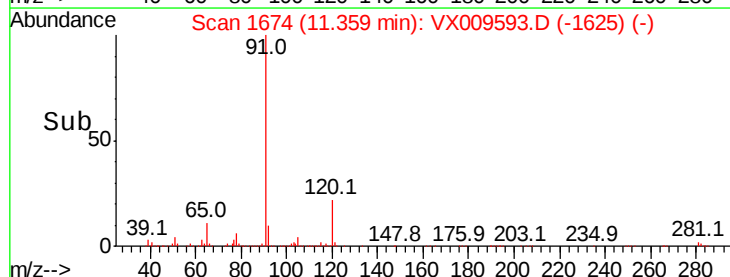
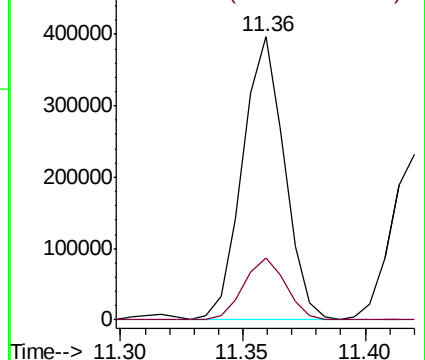
91 100

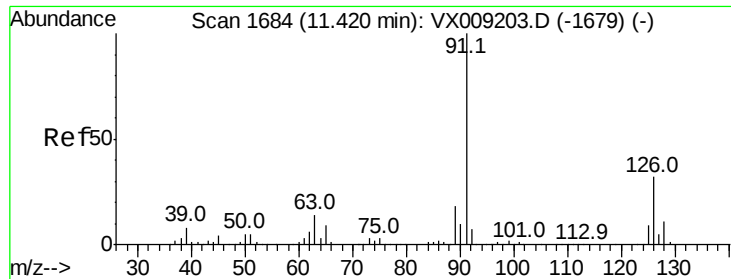
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.686 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 283931

Ion Ratio Lower Upper

91 100

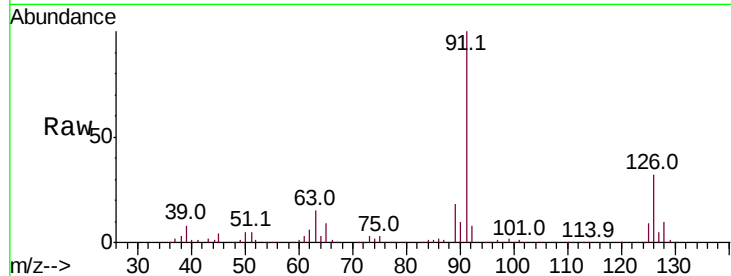
126 32.8 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)

400000

300000

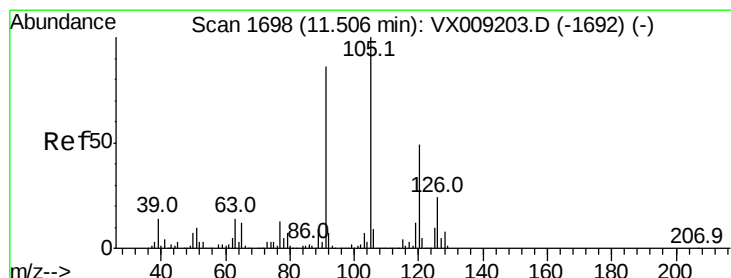
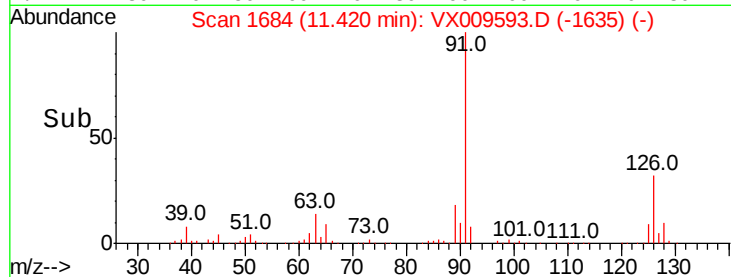
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.847 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009593.D

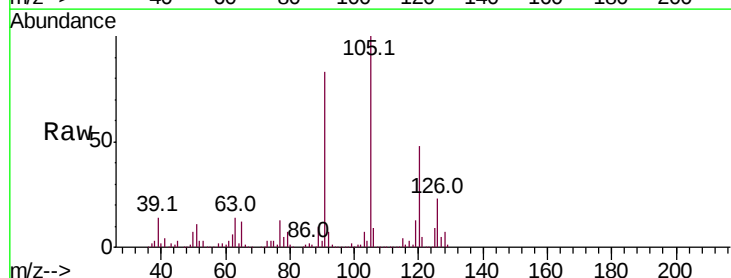
Acq: 15 May 2019 20:18

Tgt Ion: 105 Resp: 347235

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)

300000

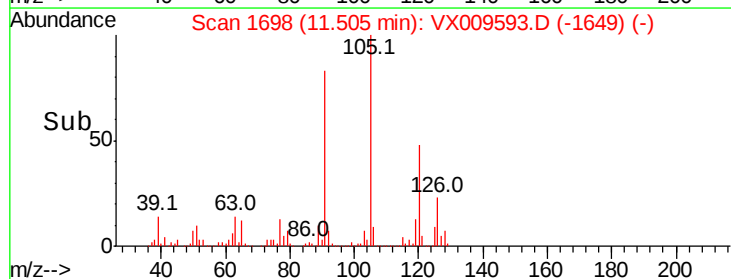
200000

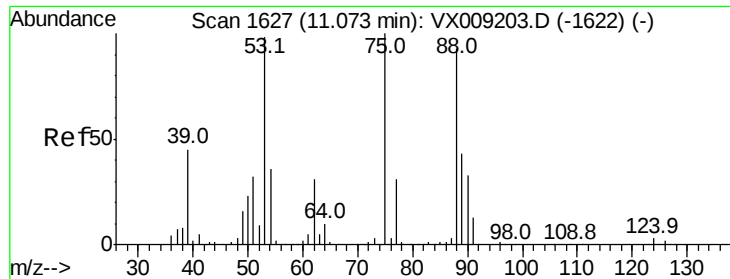
100000

0

11.45 11.50 11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.168 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

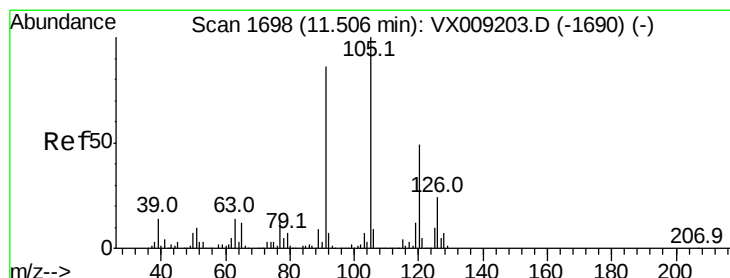
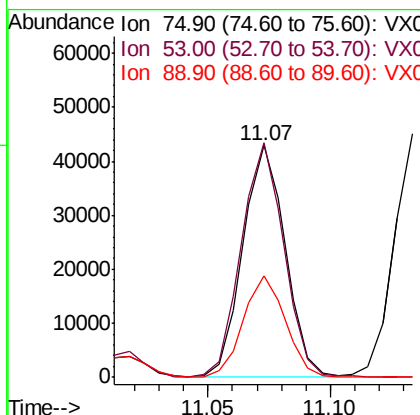
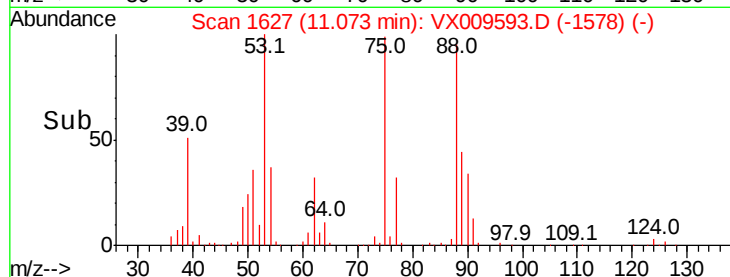
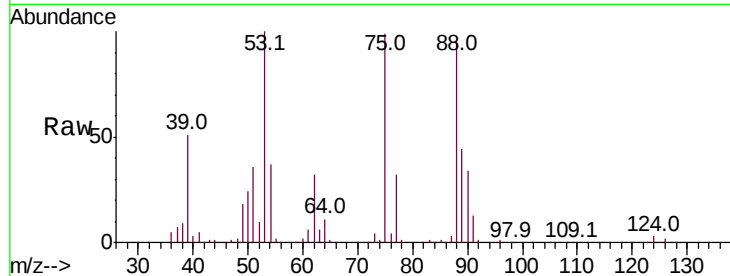
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	51737
Ion Ratio	Lower	Upper	
75	100		
53	102.3	79.0	118.6
89	44.1	34.7	52.1

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#82

4-Chlorotoluene

Concen: 50.571 ug/l

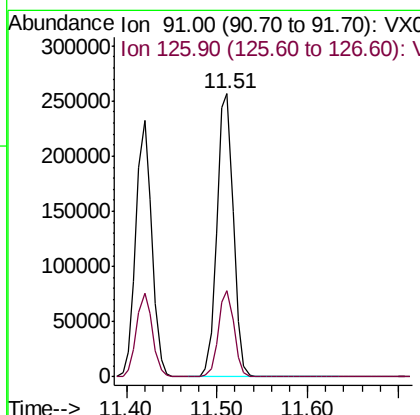
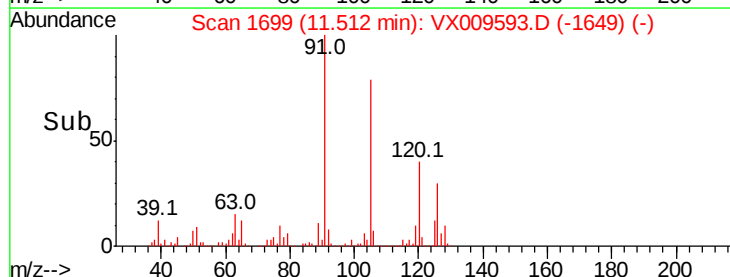
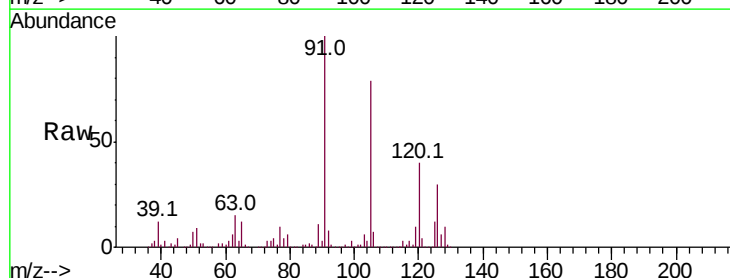
RT: 11.51 min Scan# 1699

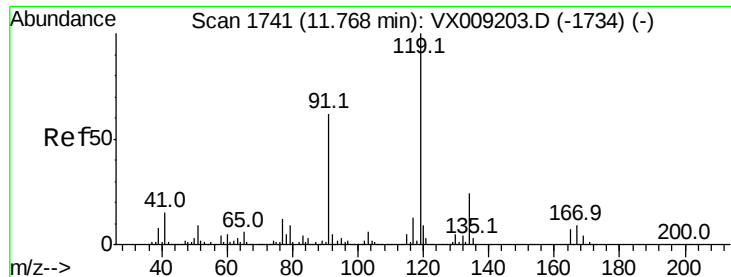
Delta R.T. 0.01 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Tgt Ion:	91	Resp:	326476
Ion Ratio	Lower	Upper	
91	100		
126	29.1	14.5	43.6





#83

tert-Butylbenzene

Concen: 50.177 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009593.D

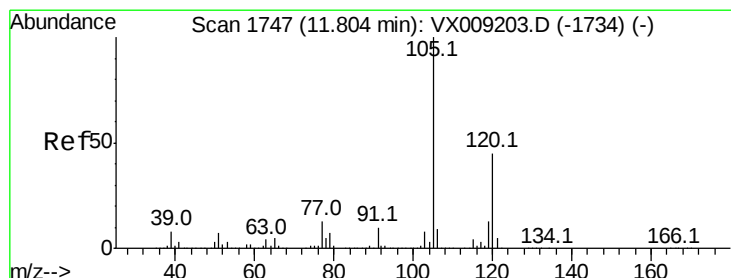
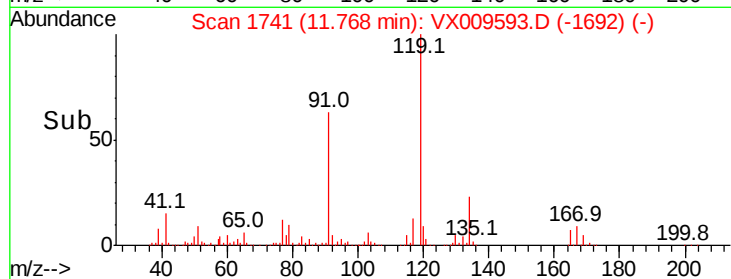
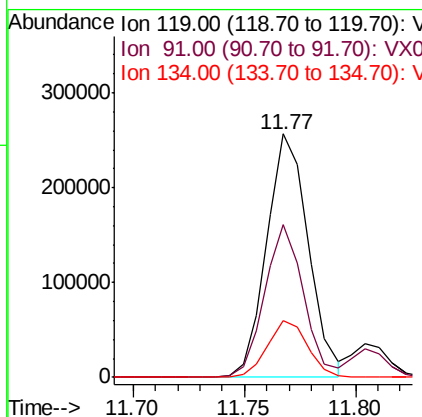
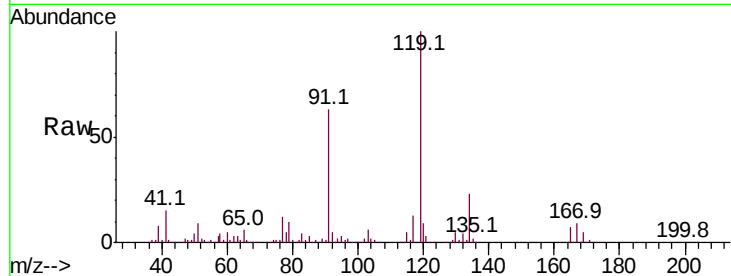
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	333338		
91	58.6	29.5	88.5	
134	22.5	11.4	34.1	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.234 ug/l

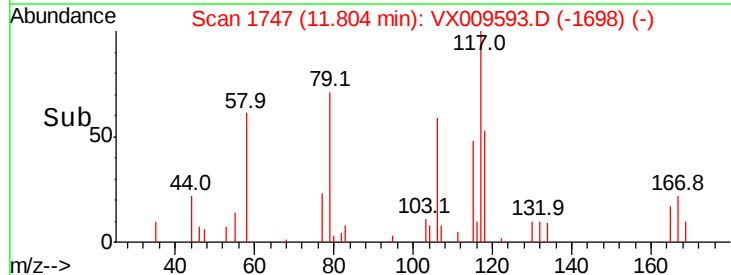
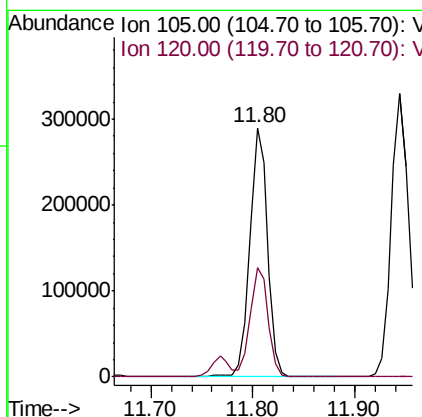
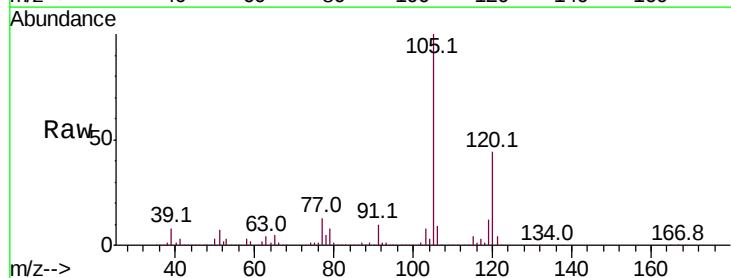
RT: 11.80 min Scan# 1747

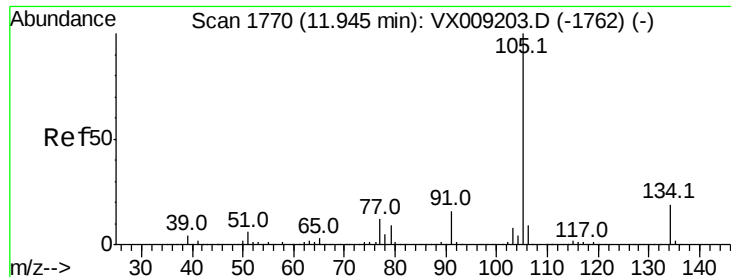
Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	351187		
120	44.1	22.0	66.0	





#85

sec-Butylbenzene

Concen: 50.216 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 395501

Ion Ratio Lower Upper

105 100

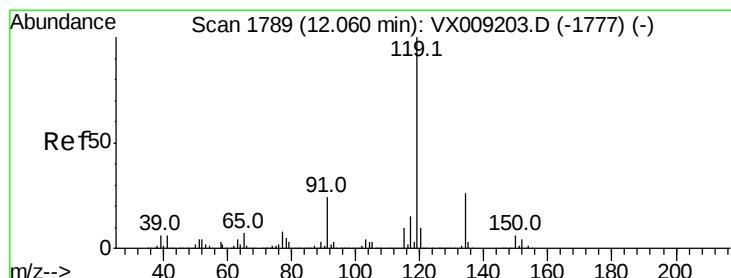
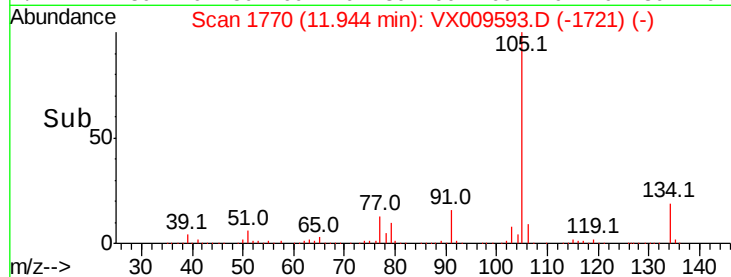
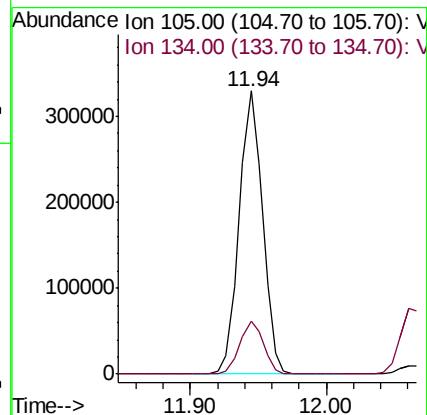
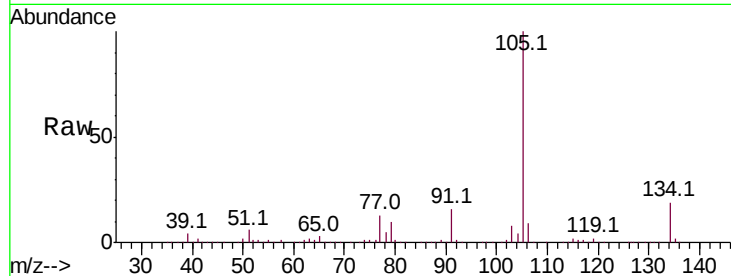
134 19.2 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.868 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009593.D

Acq: 15 May 2019 20:18

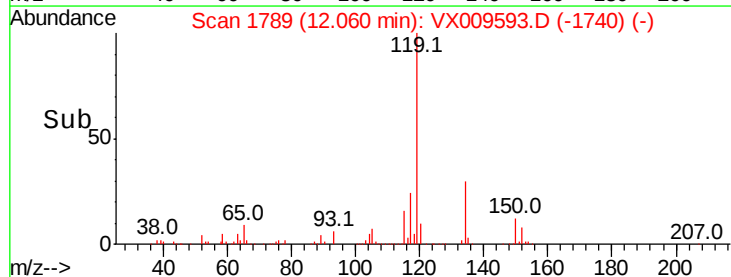
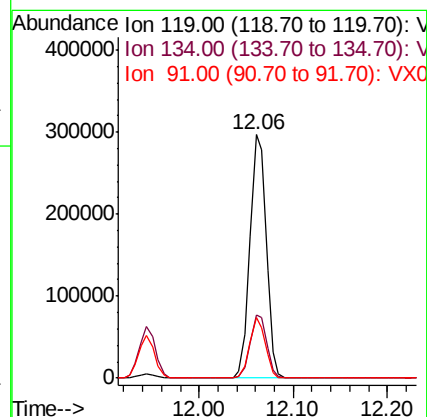
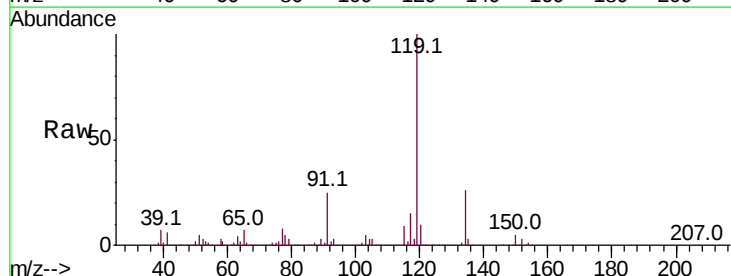
Tgt Ion:119 Resp: 360174

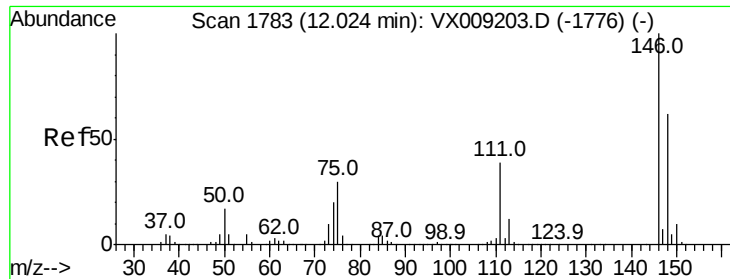
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 23.8 11.8 35.4





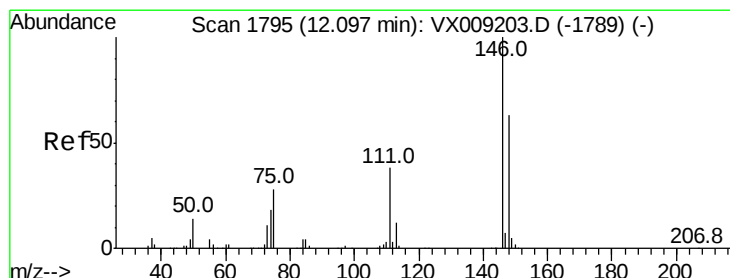
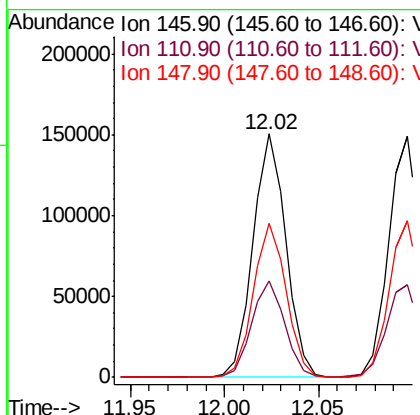
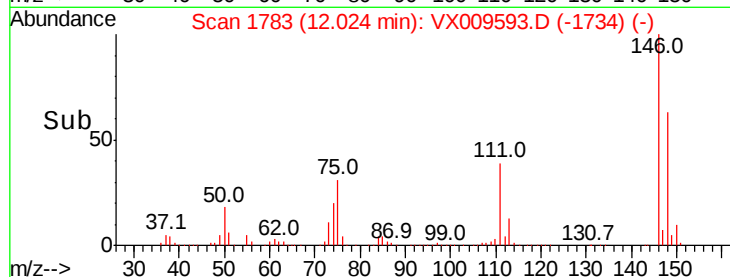
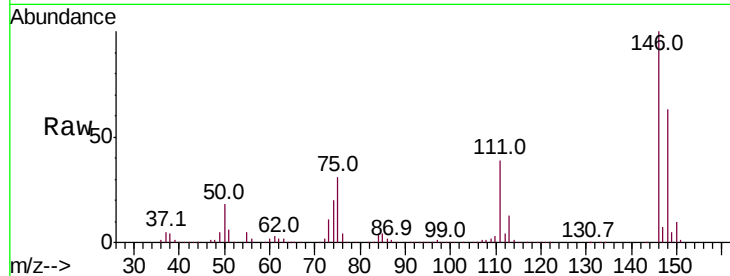
#87
 1,3-Dichlorobenzene
 Concen: 50.719 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	63.1	31.8	95.3

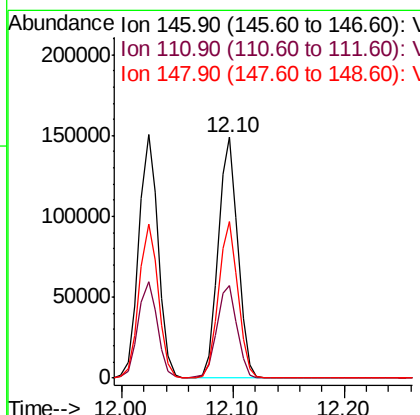
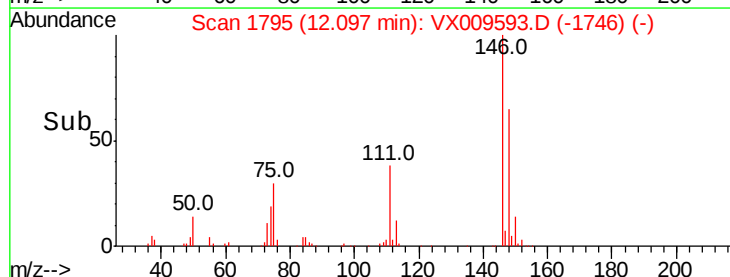
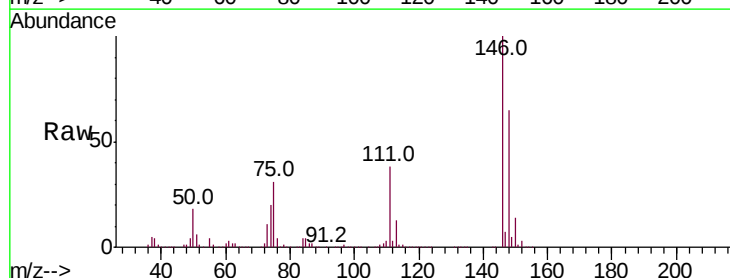
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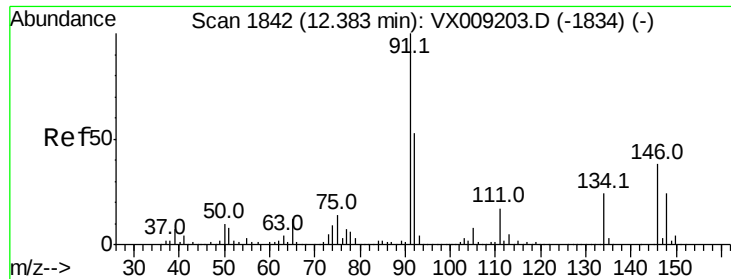
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#88
 1,4-Dichlorobenzene
 Concen: 50.037 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.8
148	64.5	31.8	95.3





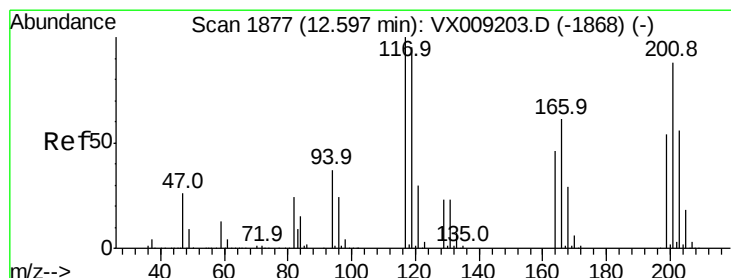
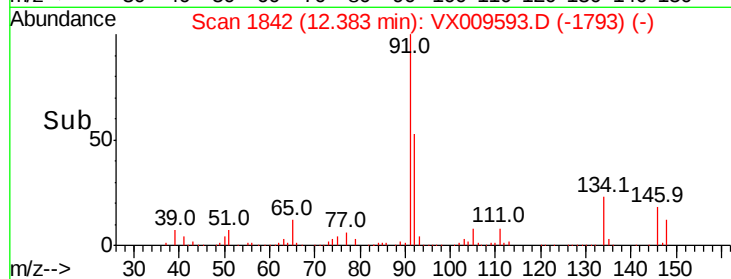
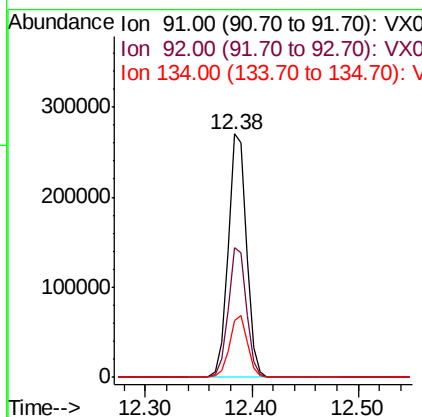
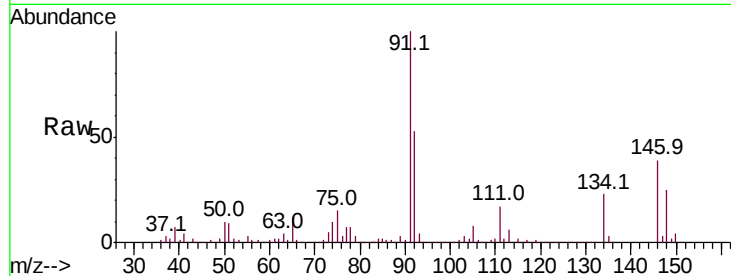
#89
n-Butylbenzene
Concen: 50.894 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	25.0	12.4	37.2

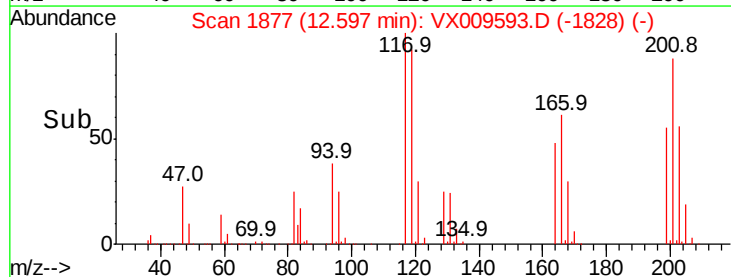
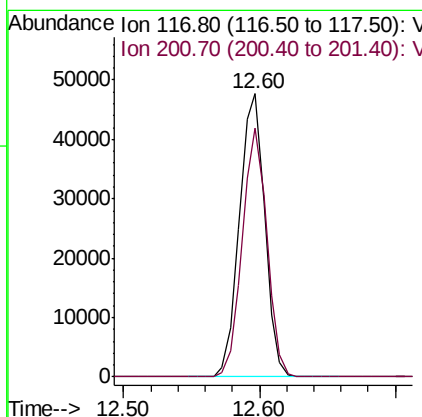
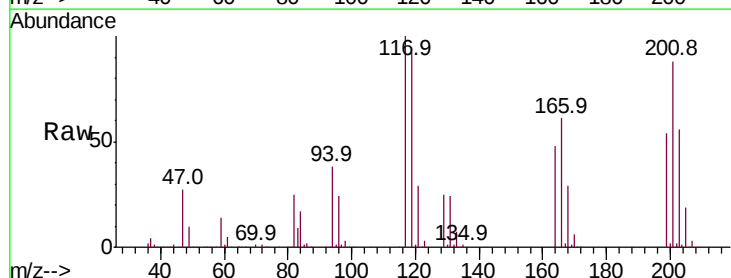
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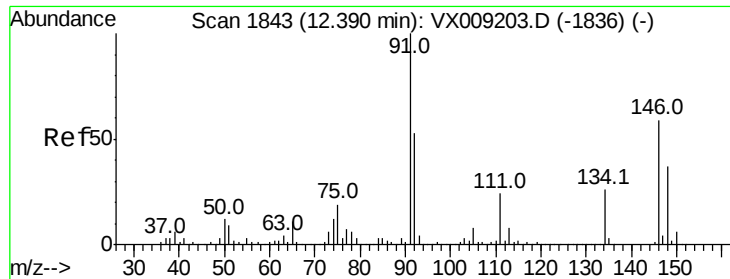
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#90
Hexachloroethane
Concen: 51.346 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	42.3	126.9





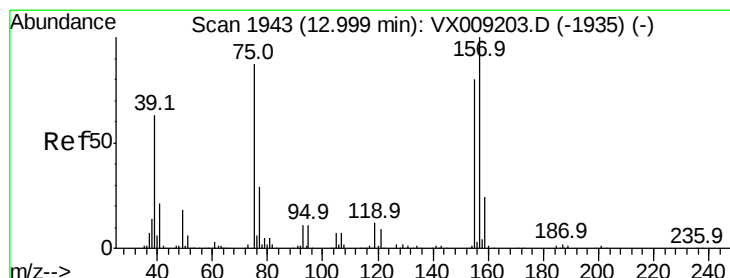
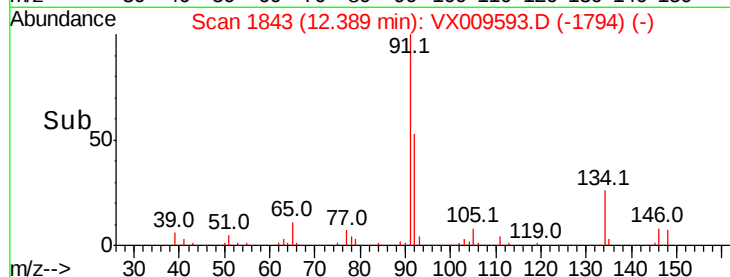
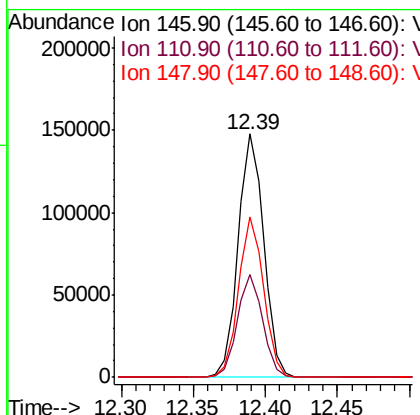
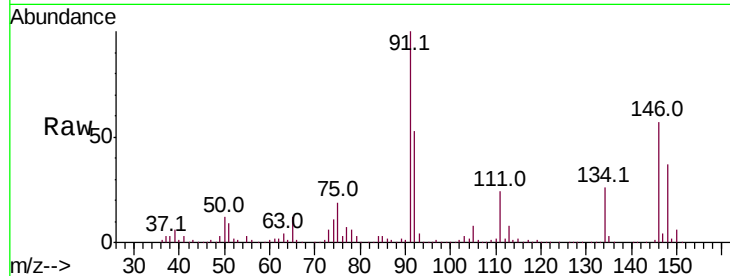
#91
 1,2-Dichlorobenzene
 Concen: 50.059 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.4
148	64.4	31.9	95.9

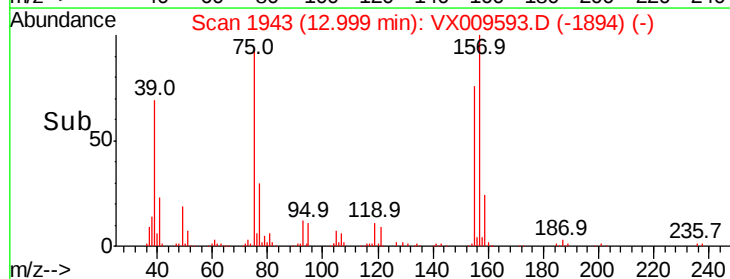
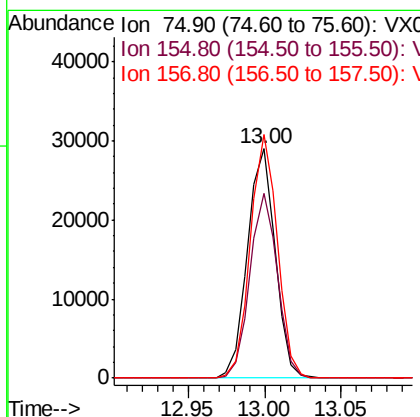
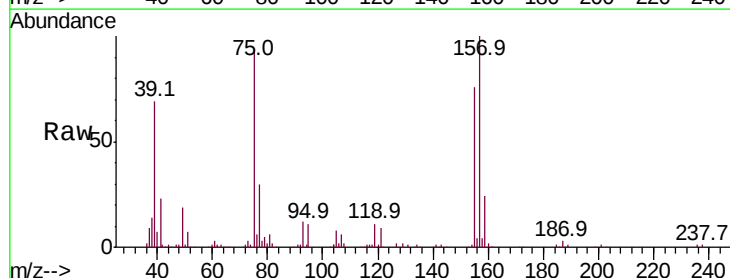
Manual Integrations
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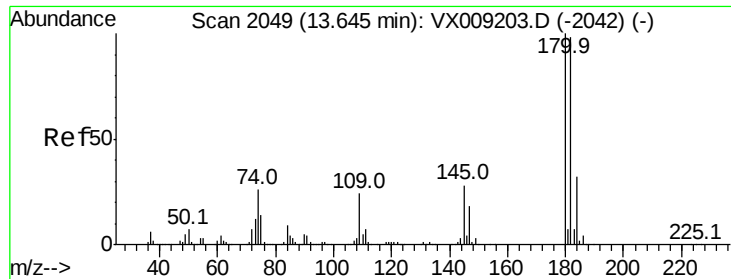
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.914 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	42.0	126.0
157	103.5	53.2	159.6





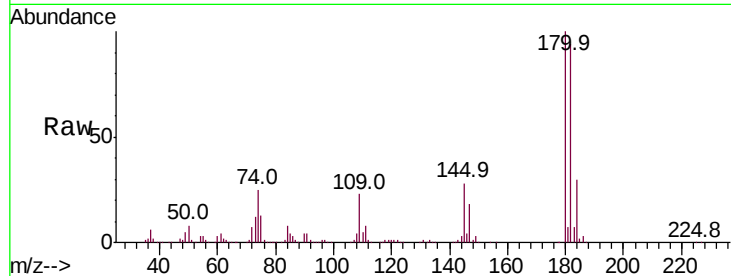
#93
 1,2,4-Trichlorobenzene
 Concen: 51.529 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

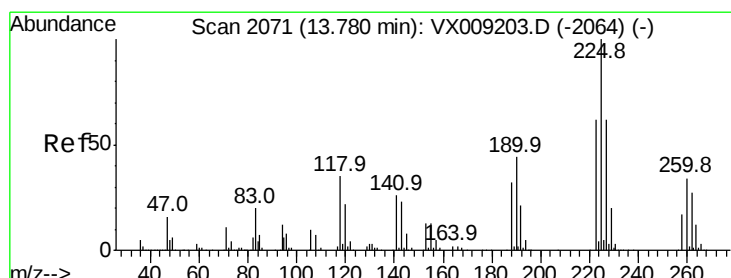
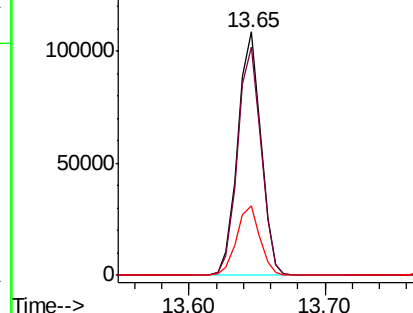
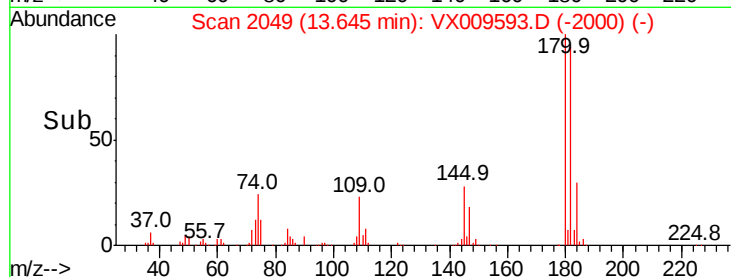
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	48.4	145.2	
145	28.6	14.6	43.8	

Manual Integrations
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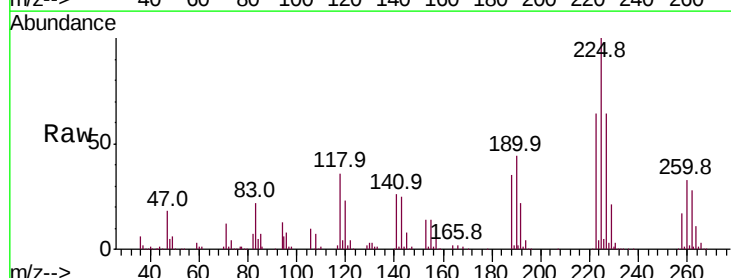


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

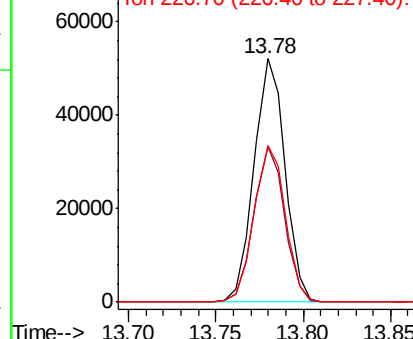
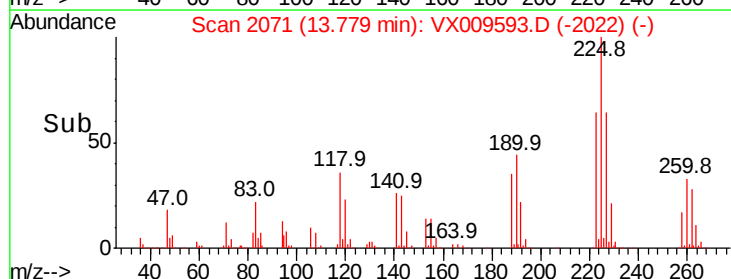


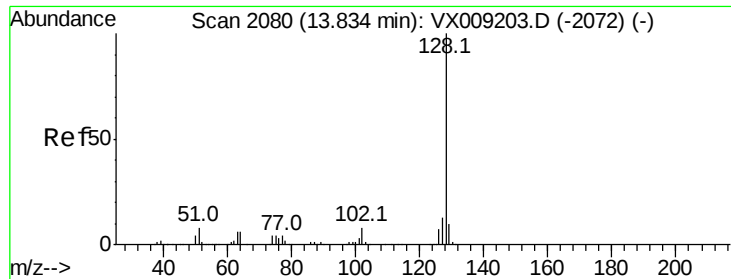
#94
 Hexachlorobutadiene
 Concen: 50.276 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009593.D
 Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	31.3	93.8	
227	65.0	31.8	95.3	



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





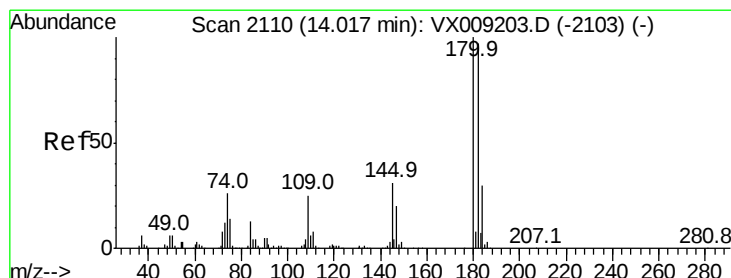
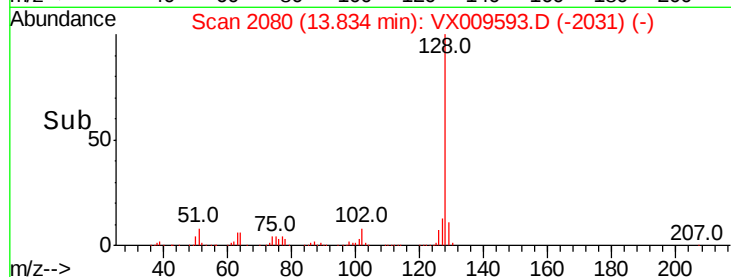
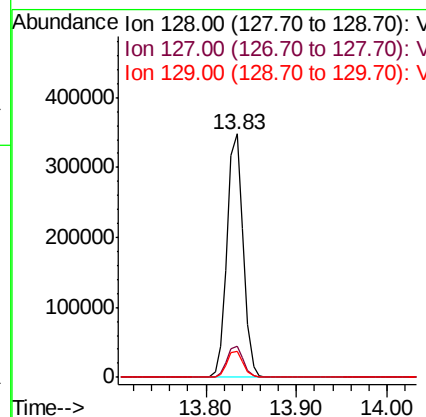
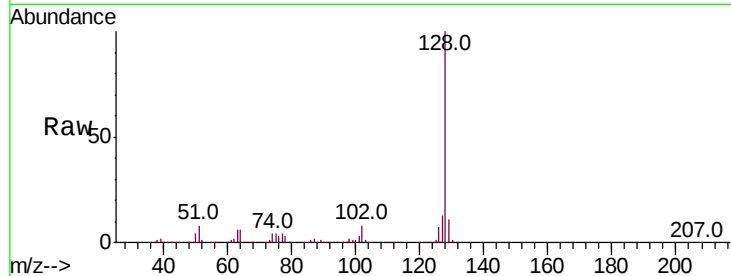
#95
Naphthalene
Concen: 53.045 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	431364		
127	12.8		10.4	15.6
129	10.8		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.285 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009593.D
Acq: 15 May 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	129938		
182	95.3		47.8	143.4
145	31.4		15.4	46.4

