

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052219\
 Data File : VX009818.D
 Acq On : 22 May 2019 21:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:45:16 AM

Quant Time: May 23 08:22:48 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	5.67	168	175195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131519	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	106291	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	
35) Dibromofluoromethane	5.50	113	75476	42.48	ug/l	0.00
Spiked Amount			Recovery	=	84.96%	
50) Toluene-d8	8.71	98	311128	43.37	ug/l	0.00
Spiked Amount			Recovery	=	86.74%	
62) 4-Bromofluorobenzene	11.13	95	114114	43.78	ug/l	0.00
Spiked Amount			Recovery	=	87.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	66445	41.157	ug/l	98
3) Chloromethane	1.32	50	100957	45.803	ug/l	100
4) Vinyl Chloride	1.41	62	98369	45.768	ug/l	98
5) Bromomethane	1.64	94	63933	49.559	ug/l	96
6) Chloroethane	1.71	64	61140	44.306	ug/l	100
7) Trichlorofluoromethane	1.92	101	118228	45.253	ug/l	100
8) Diethyl Ether	2.19	74	55273	44.664	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70912	43.222	ug/l	99
10) Methyl Iodide	2.51	142	87000	46.040	ug/l	98
11) Tert butyl alcohol	3.06	59	139890	252.691	ug/l	99
12) 1,1-Dichloroethene	2.37	96	73494	44.709	ug/l	99
13) Acrolein	2.29	56	98161	195.790	ug/l	99
14) Allyl chloride	2.73	41	181137	45.216	ug/l	98
15) Acrylonitrile	3.14	53	309416	228.588	ug/l	100
16) Acetone	2.45	43	276792	215.535	ug/l	97
17) Carbon Disulfide	2.57	76	215320	46.655	ug/l	99
18) Methyl Acetate	2.78	43	135157	44.254	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	288943	45.265	ug/l	99
20) Methylene Chloride	2.85	84	89808	43.191	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	80173	44.972	ug/l	98
22) Diisopropyl ether	3.85	45	353773	45.920	ug/l	96
23) Vinyl Acetate	3.81	43	1595717	241.882	ug/l	99
24) 1,1-Dichloroethane	3.70	63	169096	44.493	ug/l	99
25) 2-Butanone	4.67	43	468014	234.521	ug/l	98
26) 2,2-Dichloropropane	4.58	77	111337	39.357	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	92922	43.668	ug/l	99
28) Bromochloromethane	5.01	49	83533	54.868	ug/l	98
29) Tetrahydrofuran	5.13	42	310821	242.040	ug/l	97
30) Chloroform	5.21	83	154415	44.923	ug/l	100
31) Cyclohexane	5.58	56	164306	46.468	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	129529	45.268	ug/l	99
36) 1,1-Dichloropropene	5.80	75	119519	45.501	ug/l	99
37) Ethyl Acetate	4.83	43	173924	47.523	ug/l	99
38) Carbon Tetrachloride	5.78	117	108099	45.295	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	144475	44.786	ug/l	98
40) Benzene	6.14	78	365503	44.961	ug/l	98
41) Methacrylonitrile	5.04	41	99927	45.868	ug/l	98
42) 1,2-Dichloroethane	6.19	62	134720	46.199	ug/l	98
43) Isopropyl Acetate	6.45	43	279355	47.720	ug/l	99
44) Trichloroethene	7.21	130	84822	43.161	ug/l	94
45) 1,2-Dichloropropane	7.51	63	104172	45.255	ug/l	98
46) Dibromomethane	7.66	93	59079	44.197	ug/l	99
47) Bromodichloromethane	7.90	83	119704	44.893	ug/l	98
48) Methyl methacrylate	7.77	41	140643	48.425	ug/l	98
49) 1,4-Dioxane	7.74	88	53935	915.711	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	937939	245.128	ug/l	98
52) Toluene	8.79	92	223143	45.156	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	139054	46.191	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	152580	45.792	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	90259	44.771	ug/l	97
56) Ethyl methacrylate	9.18	69	167393	46.515	ug/l	95
57) 1,3-Dichloropropane	9.37	76	158224	44.599	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	426678	223.497	ug/l	100
59) 2-Hexanone	9.49	43	728256	242.336	ug/l	98
60) Dibromochloromethane	9.58	129	91247	46.342	ug/l	99
61) 1,2-Dibromoethane	9.67	107	91964	45.190	ug/l	98
64) Tetrachloroethene	9.34	164	77264	43.287	ug/l	96
65) Chlorobenzene	10.13	112	230561	44.293	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	83608	44.304	ug/l	100
67) Ethyl Benzene	10.25	91	430959	44.986	ug/l	100
68) m/p-Xylenes	10.36	106	317696	90.751	ug/l	98
69) o-Xylene	10.69	106	154449	44.716	ug/l	98
70) Styrene	10.71	104	274587	45.739	ug/l	99
71) Bromoform	10.85	173	70046	45.675	ug/l #	99
73) Isopropylbenzene	11.02	105	415195	43.413	ug/l	100
74) N-amyl acetate	10.90	43	260128	46.653	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	154035	43.204	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	133948m	43.906	ug/l	
77) Bromobenzene	11.26	156	103105	43.435	ug/l	99
78) n-propylbenzene	11.36	91	482458	44.171	ug/l	100
79) 2-Chlorotoluene	11.42	91	287076	42.602	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	357079	44.342	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51146	42.896	ug/l	97
82) 4-Chlorotoluene	11.51	91	333660	43.829	ug/l	100
83) tert-Butylbenzene	11.77	119	338965	43.270	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	354255	43.827	ug/l	100
85) sec-Butylbenzene	11.94	105	405619	43.674	ug/l	100
86) p-Isopropyltoluene	12.06	119	369345	44.236	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	184306	43.553	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	182717	42.827	ug/l	99
89) n-Butylbenzene	12.38	91	338297	44.828	ug/l	99
90) Hexachloroethane	12.60	117	62940	44.247	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	184647	42.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35489	44.373	ug/l	96

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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	129563	43.957	ug/l	98
94) Hexachlorobutadiene	13.78	225	65210	43.324	ug/l	99
95) Naphthalene	13.83	128	421289	43.933	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	130324	43.620	ug/l	99

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

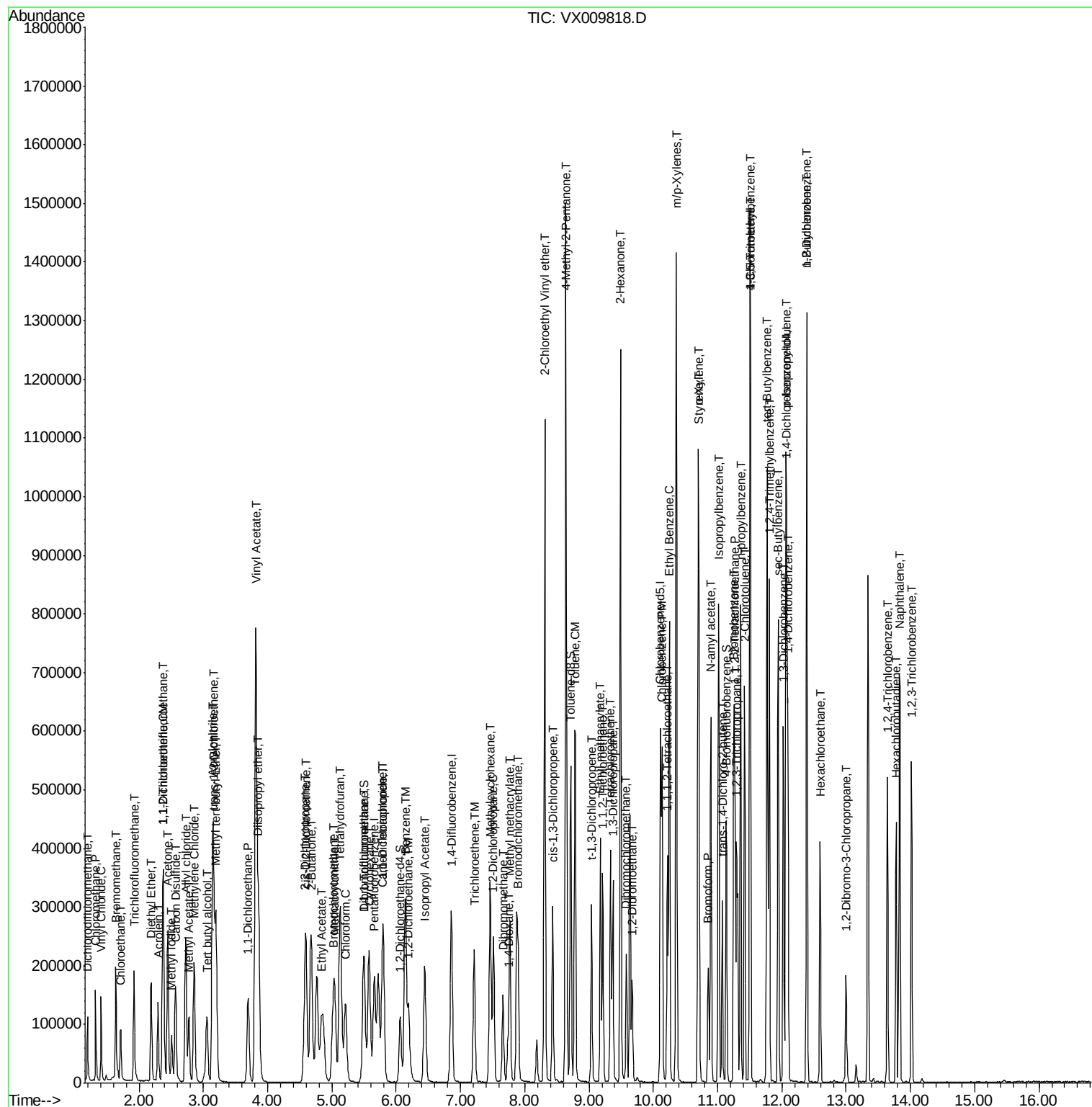
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 Data File : VX009818.D
 Acq On : 22 May 2019 21:24
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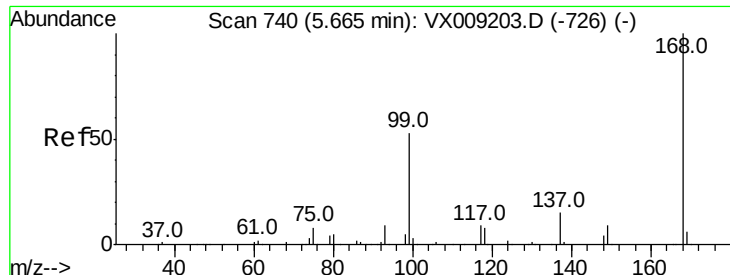
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 175195

Ion Ratio Lower Upper

168 100

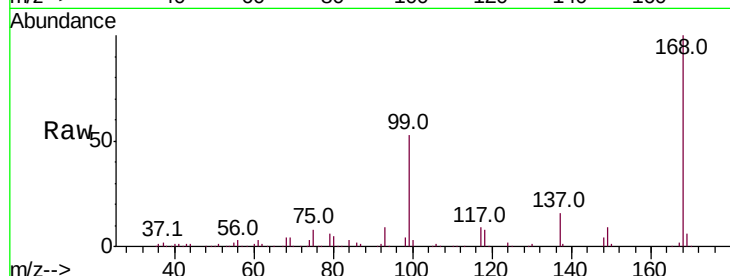
99 52.8 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

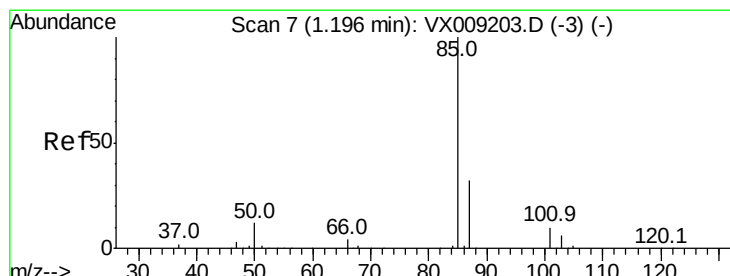
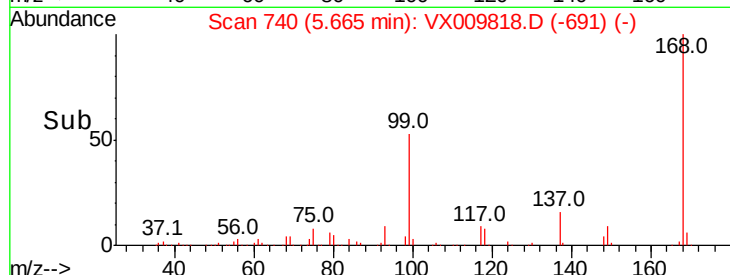
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.157 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009818.D

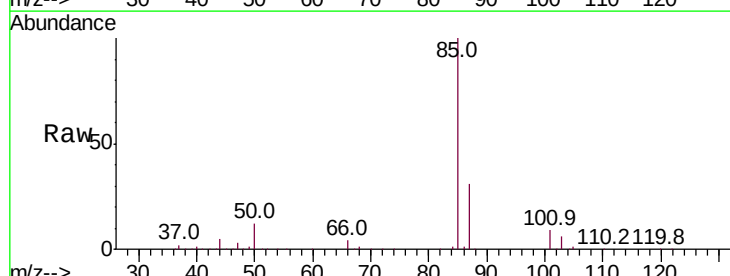
Acq: 22 May 2019 21:24

Tgt Ion: 85 Resp: 66445

Ion Ratio Lower Upper

85 100

87 30.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

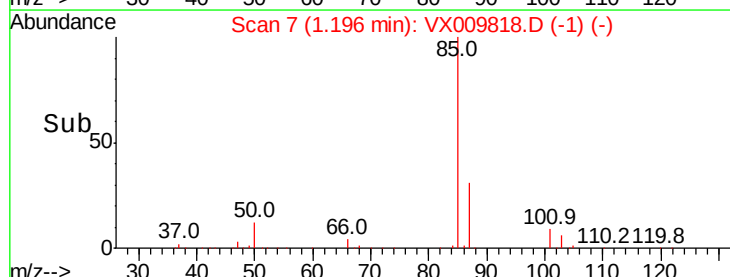
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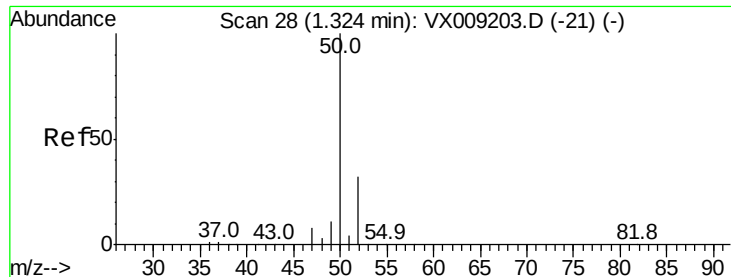
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20000

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Time-->





#3

Chloromethane

Concen: 45.803 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 100957

Ion Ratio Lower Upper

50 100

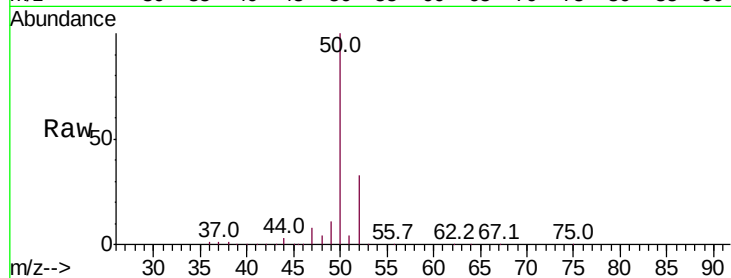
52 32.6 25.9 38.9

Manual Integrations

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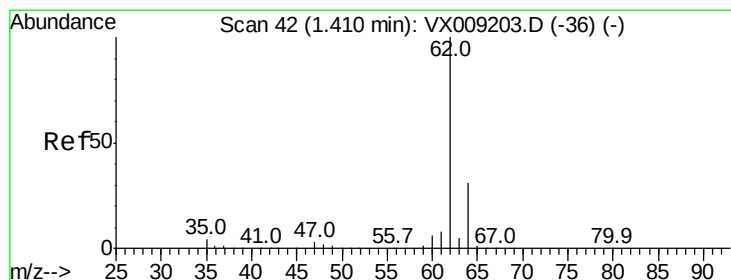
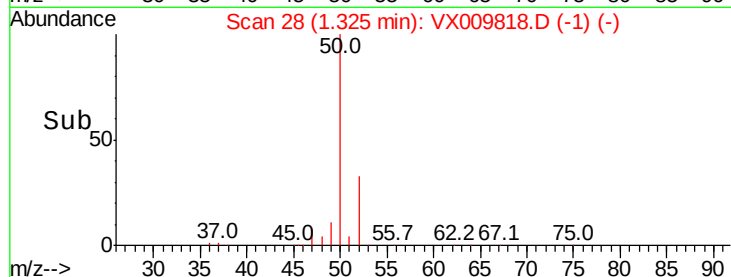
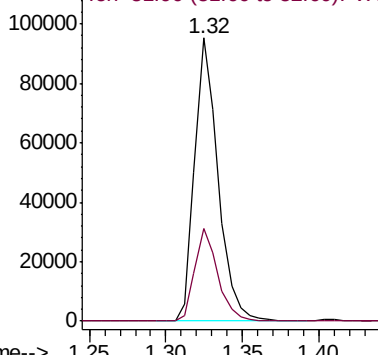
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.768 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009818.D

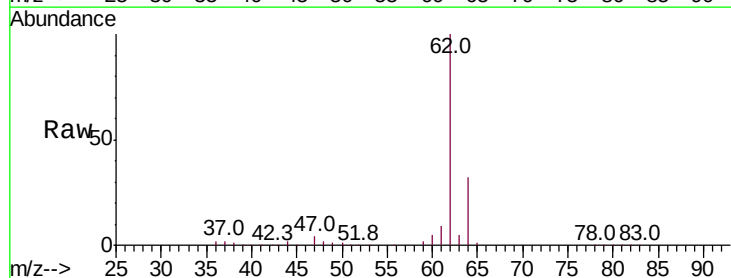
Acq: 22 May 2019 21:24

Tgt Ion: 62 Resp: 98369

Ion Ratio Lower Upper

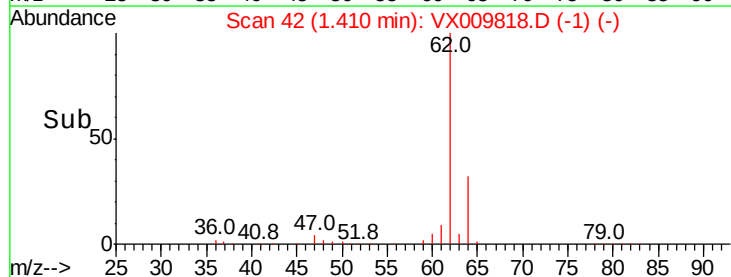
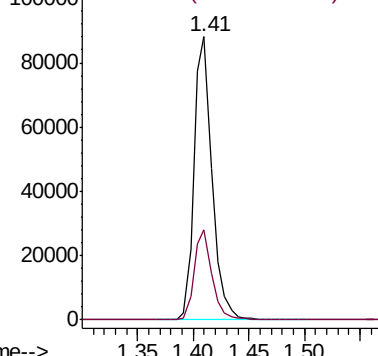
62 100

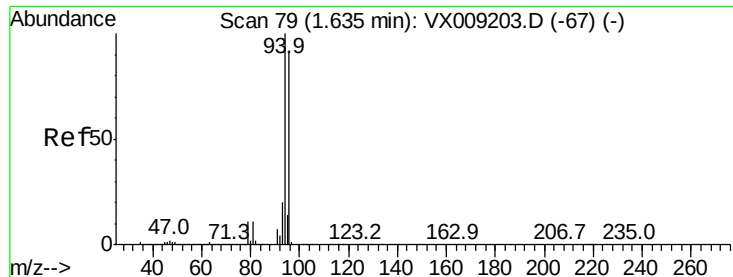
64 31.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.559 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 63933

Ion Ratio Lower Upper

94 100

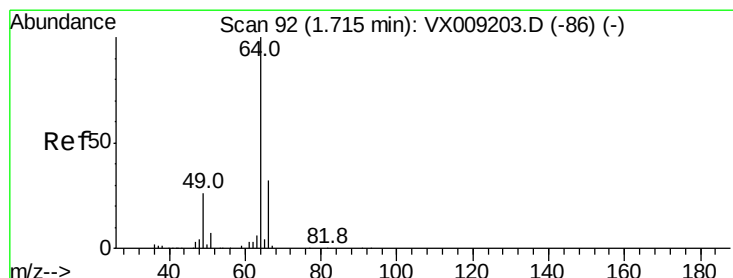
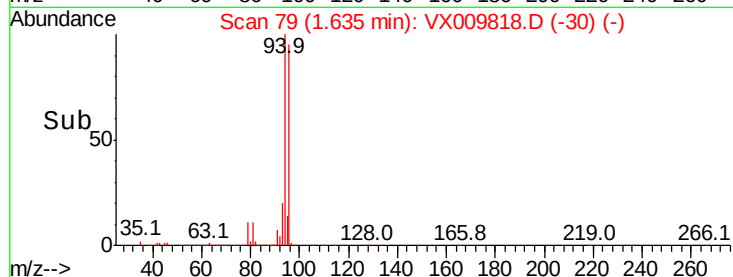
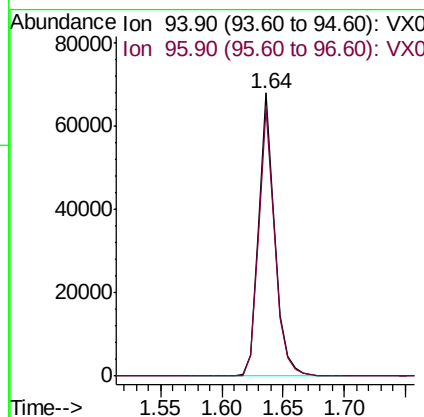
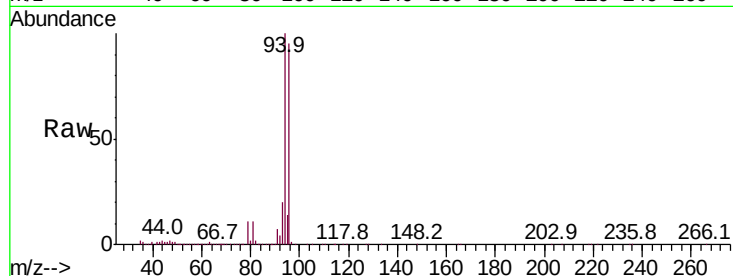
96 94.8 73.0 109.6

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#6

Chloroethane

Concen: 44.306 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009818.D

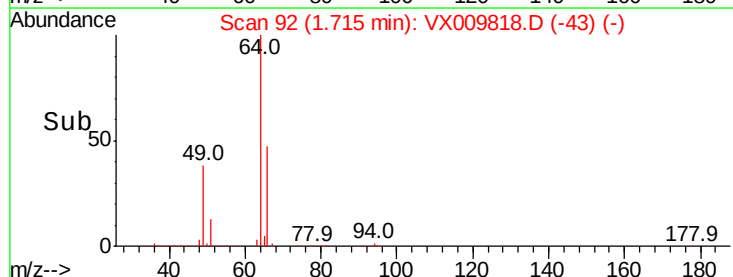
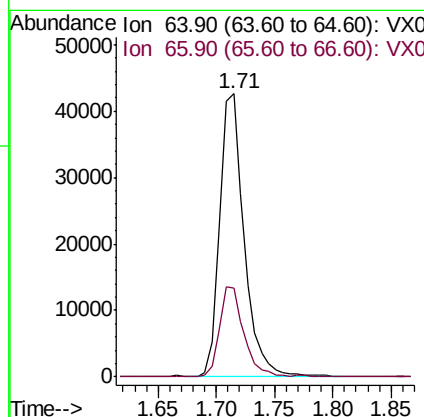
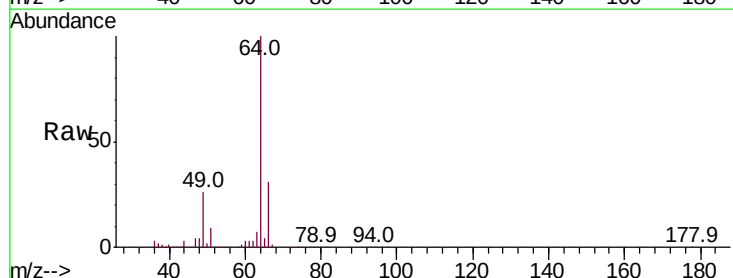
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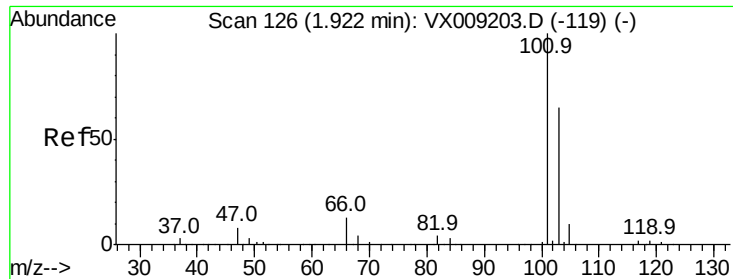
Tgt Ion: 64 Resp: 61140

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9





#7

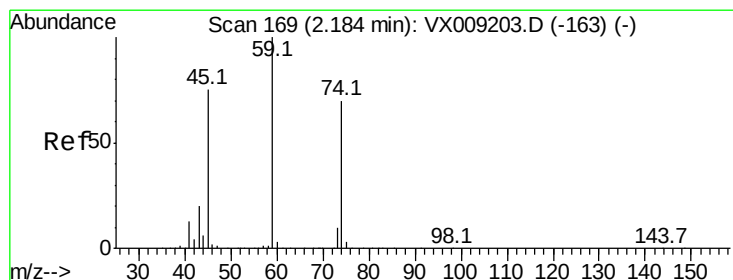
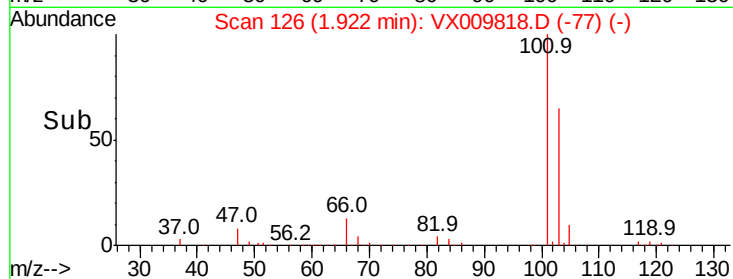
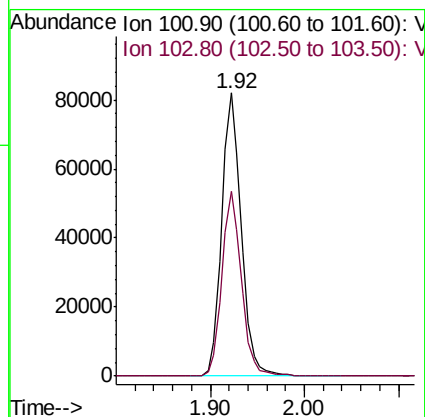
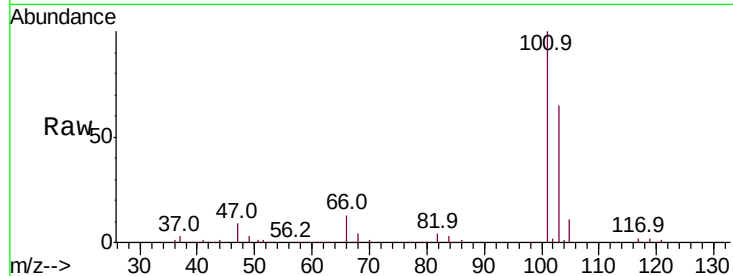
Trichlorofluoromethane
Concen: 45.253 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.4	78.6

Manual Integrations
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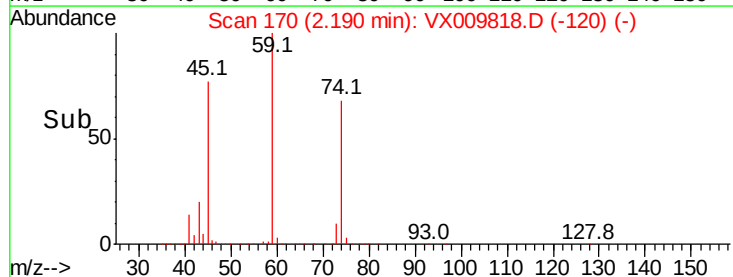
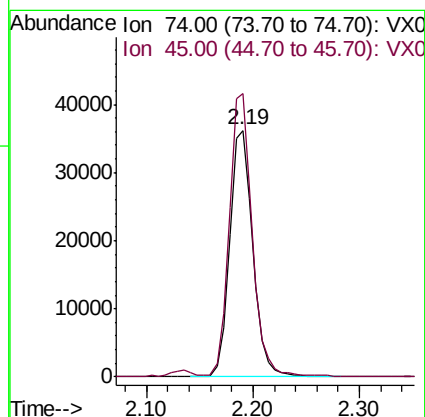
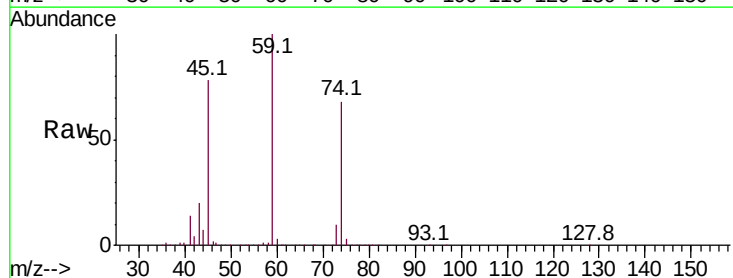
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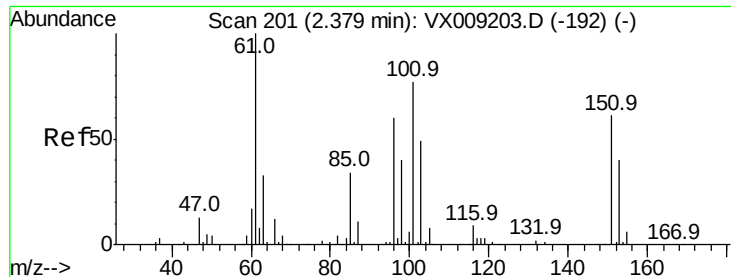


#8

Diethyl Ether
Concen: 44.664 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.5	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.222 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 70912

Ion Ratio Lower Upper

101 100

85 45.0 35.7 53.5

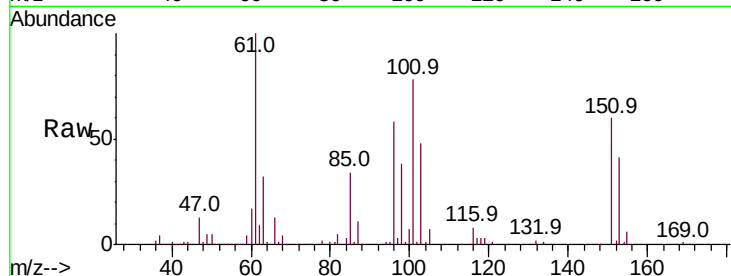
151 78.4 62.2 93.2

Manual Integrations

APPROVED

MMDadoda

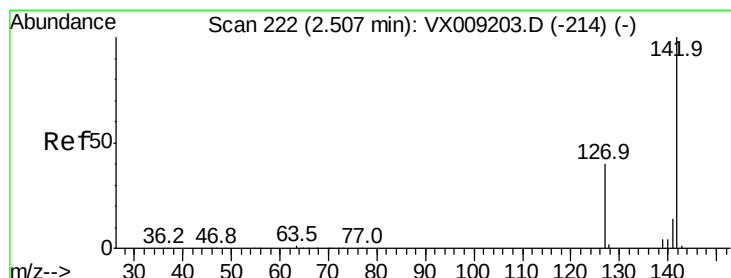
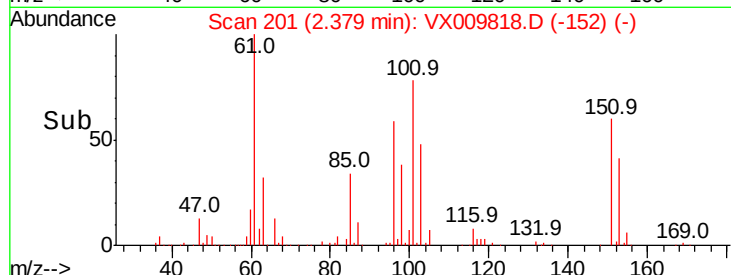
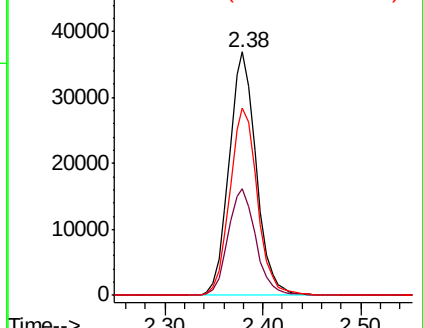
5/23/2019 10:45:16 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.040 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

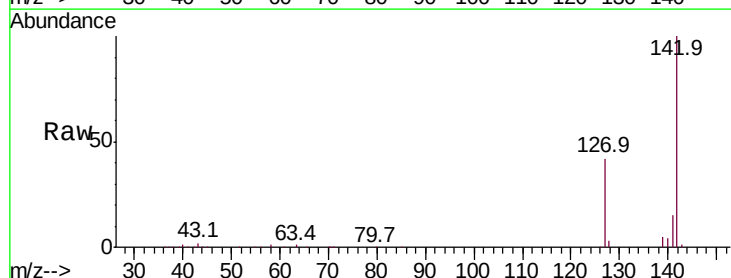
Tgt Ion:142 Resp: 87000

Ion Ratio Lower Upper

142 100

127 42.1 32.7 49.1

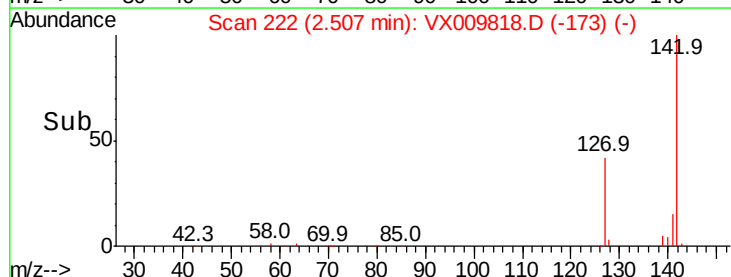
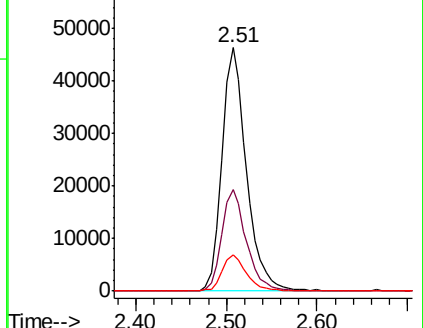
141 14.7 11.5 17.3

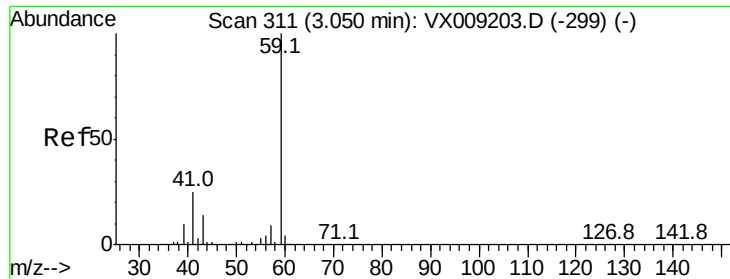


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

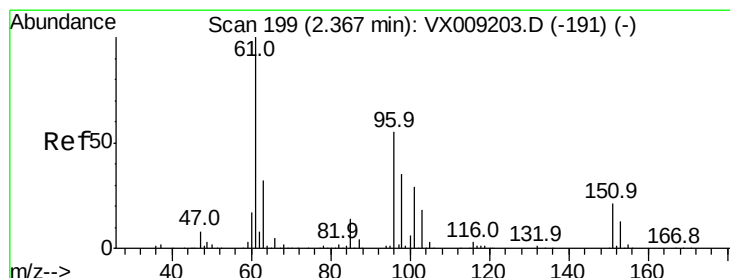
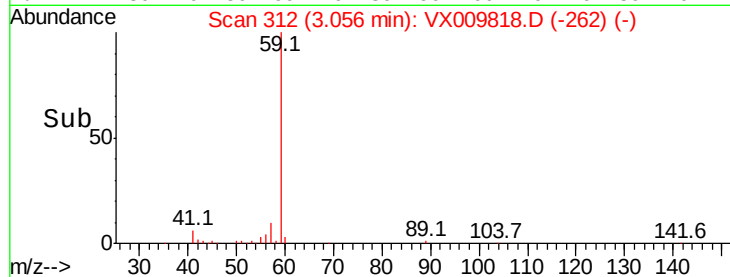
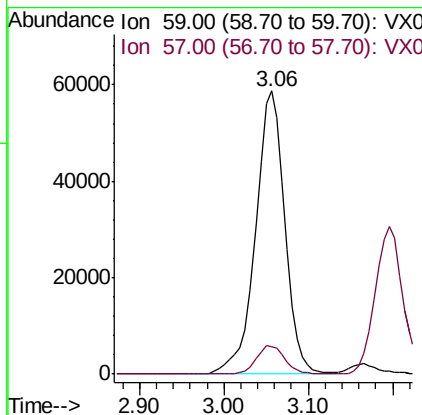
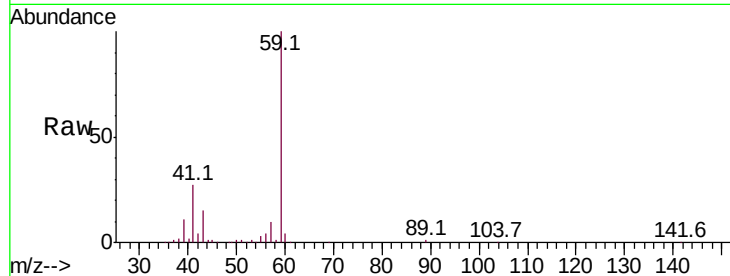
Tert butyl alcohol
Concen: 252.691 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	139890		
57	9.8		8.2	12.2

Manual Integrations
APPROVED

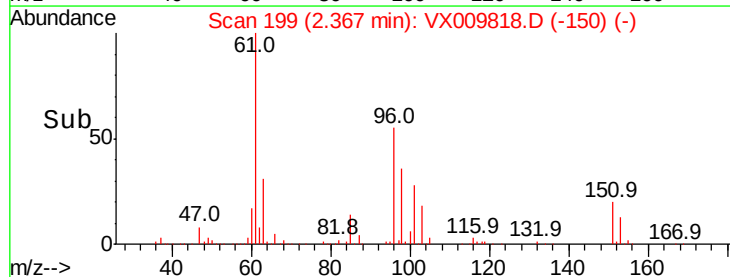
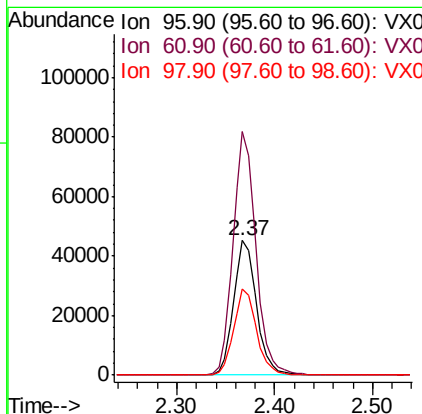
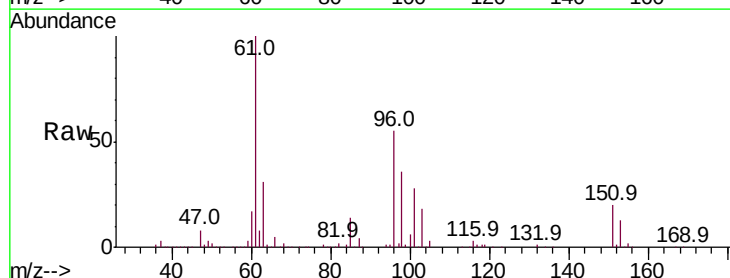
MMDadoda
5/23/2019 10:45:16 AM

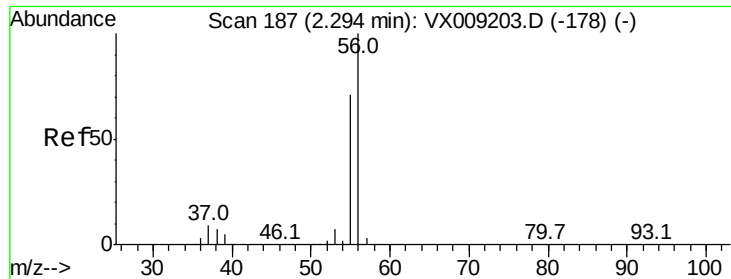


#12

1,1-Dichloroethene
Concen: 44.709 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	73494		
61	180.9		144.3	216.5
98	64.4		50.3	75.5





#13

Acrolein

Concen: 195.790 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 98161

Ion Ratio Lower Upper

56 100

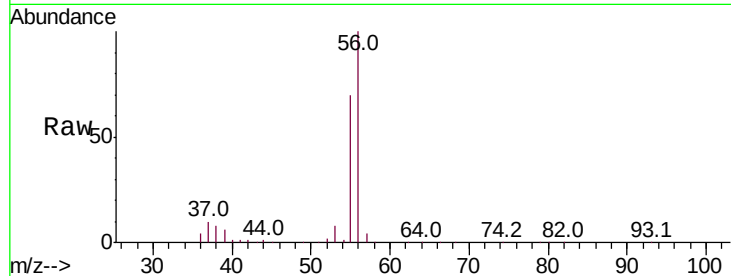
55 71.3 56.6 85.0

Manual Integrations

APPROVED

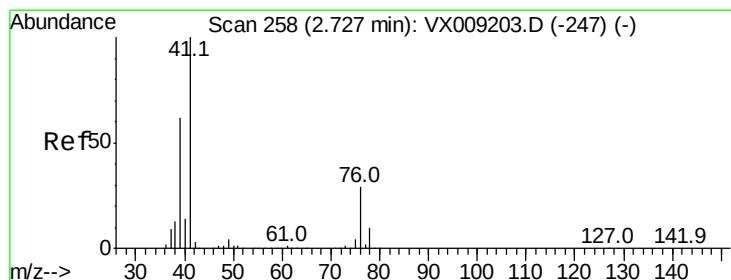
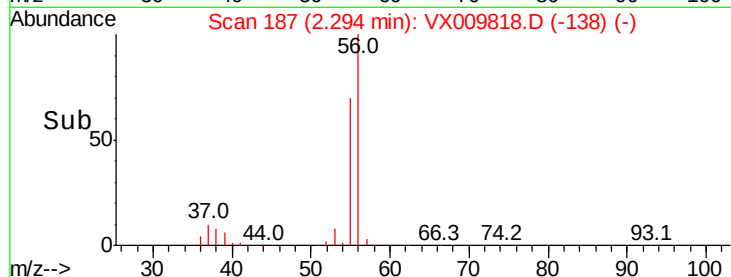
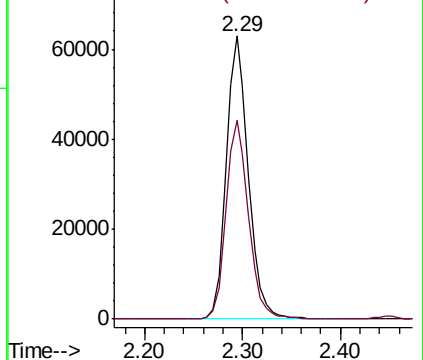
MMDadoda

5/23/2019 10:45:16 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.216 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

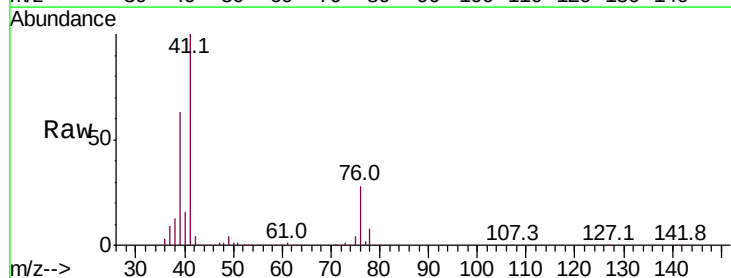
Tgt Ion: 41 Resp: 181137

Ion Ratio Lower Upper

41 100

39 59.3 46.7 70.1

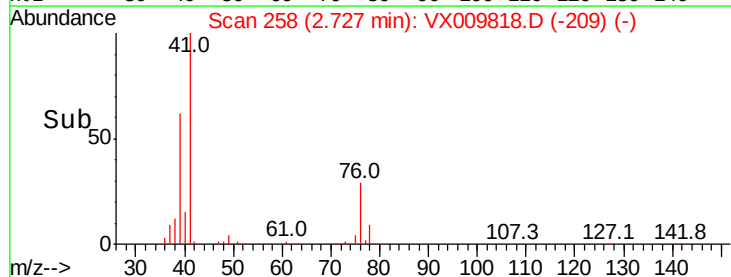
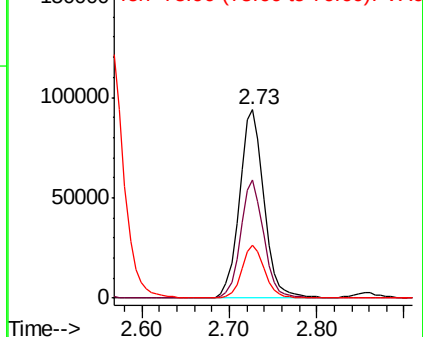
76 26.0 21.8 32.8

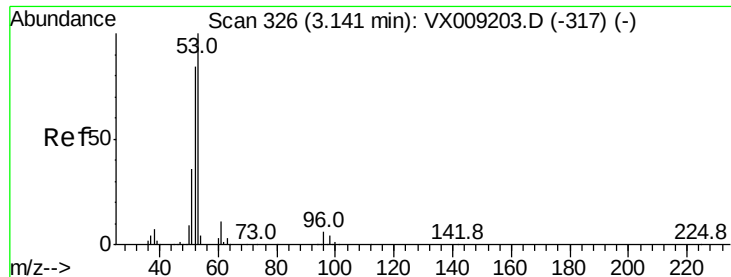


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 228.588 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

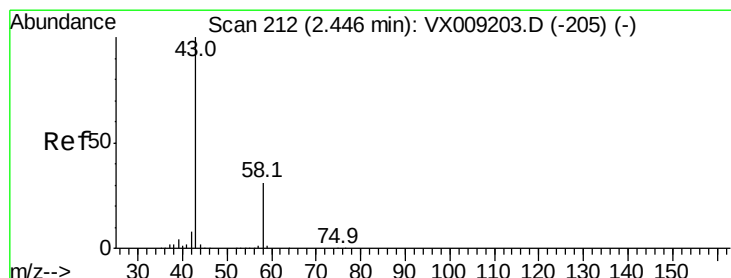
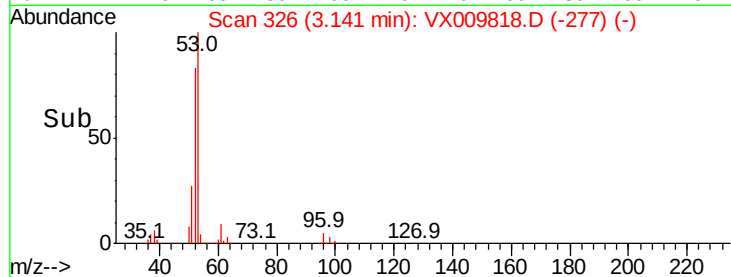
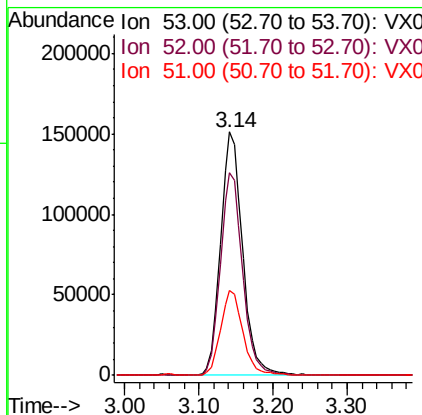
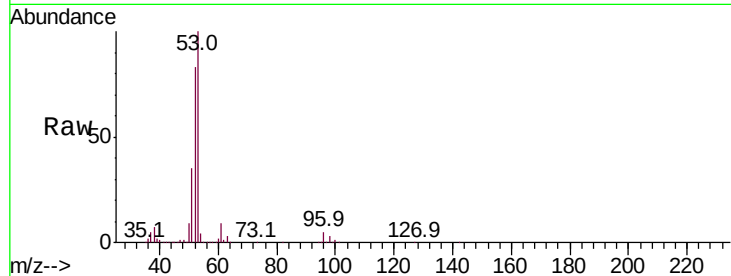
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	309416
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.9	100.3
51	35.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 215.535 ug/l

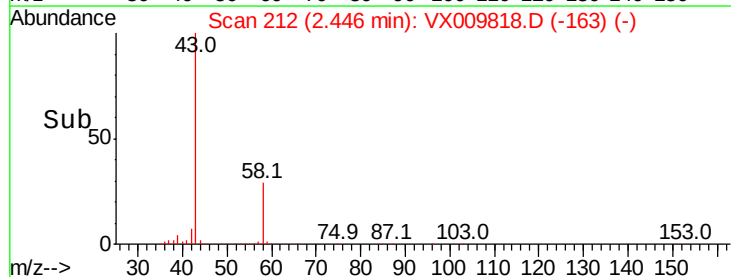
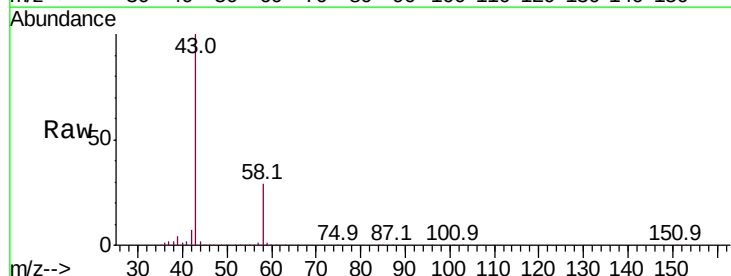
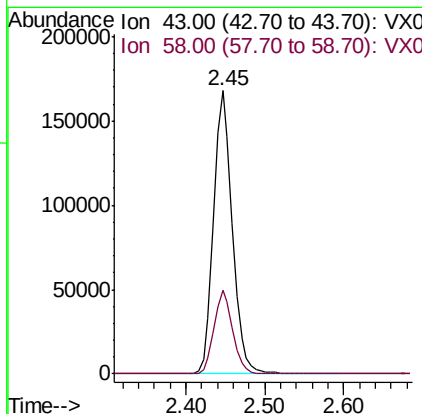
RT: 2.45 min Scan# 212

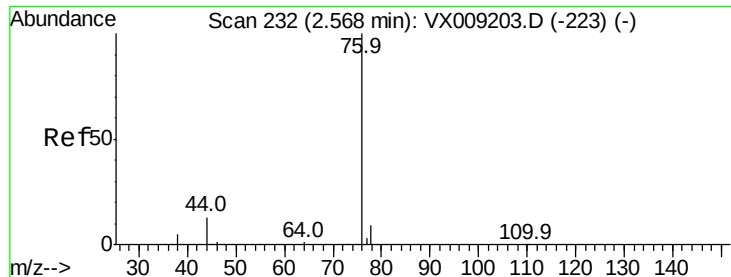
Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Tgt Ion:	43	Resp:	276792
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.9	37.3





#17

Carbon Disulfide

Concen: 46.655 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 215320

Ion Ratio Lower Upper

76 100

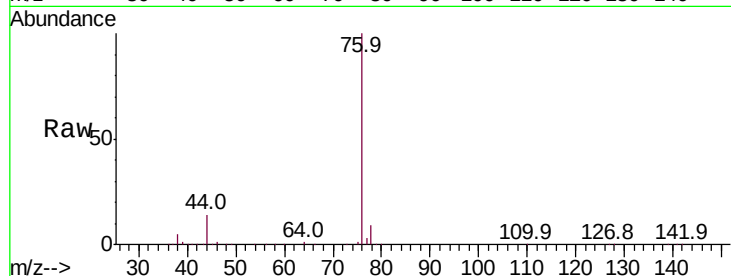
78 8.8 7.4 11.0

Manual Integrations

APPROVED

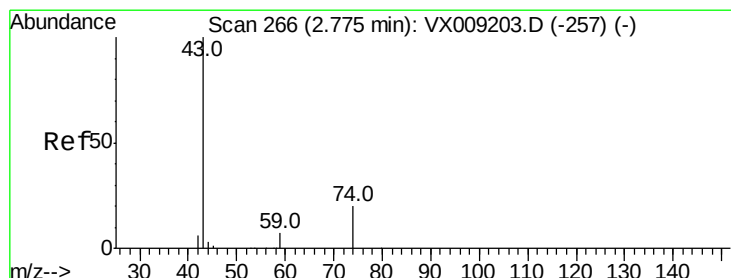
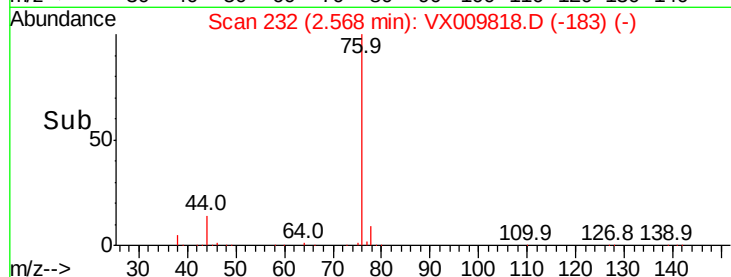
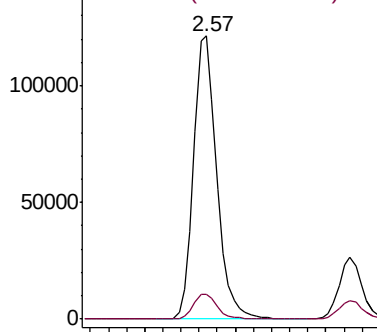
MMDadoda

5/23/2019 10:45:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 44.254 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009818.D

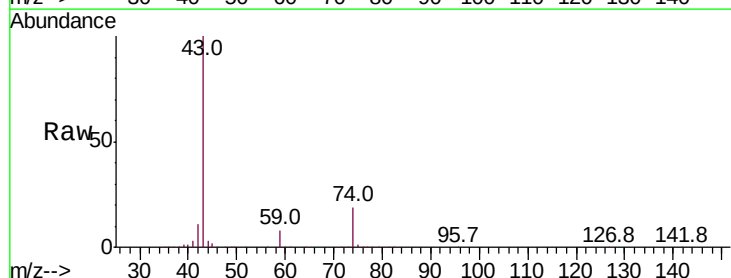
Acq: 22 May 2019 21:24

Tgt Ion: 43 Resp: 135157

Ion Ratio Lower Upper

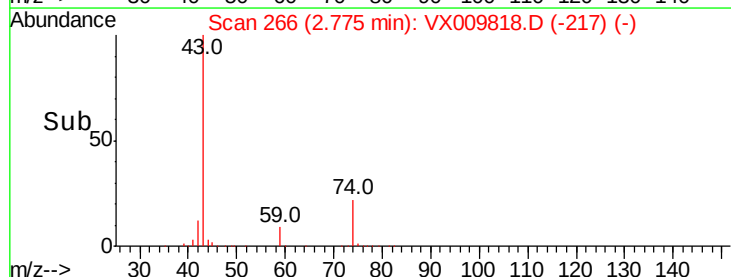
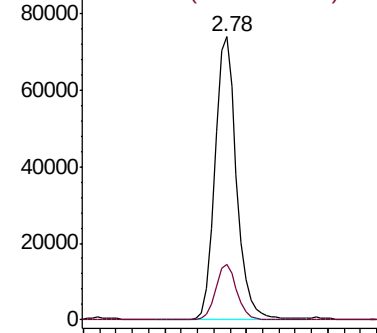
43 100

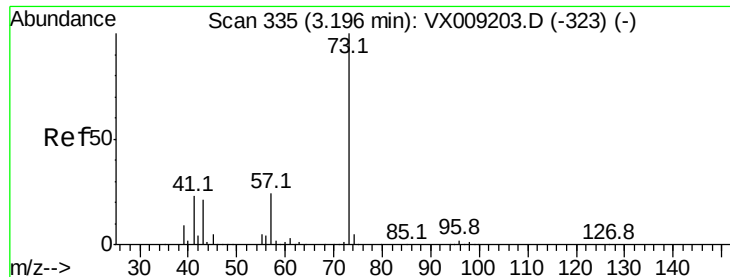
74 19.9 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

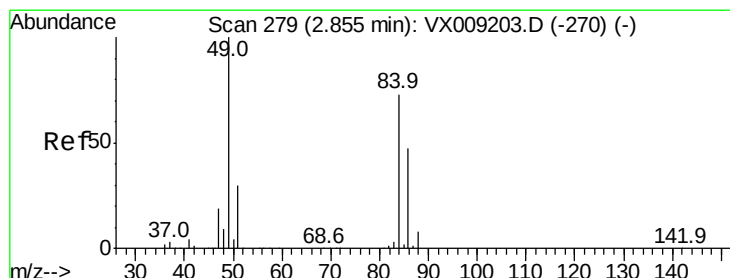
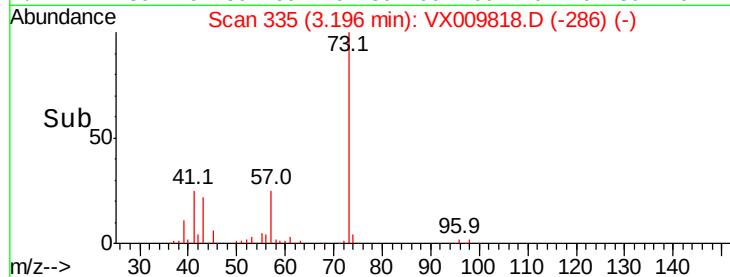
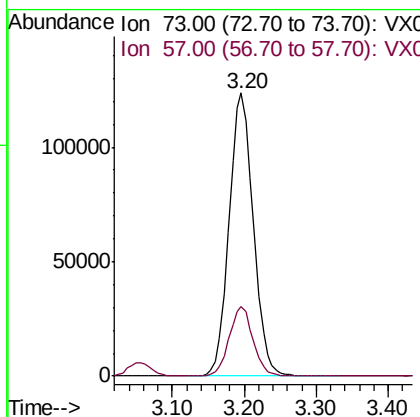
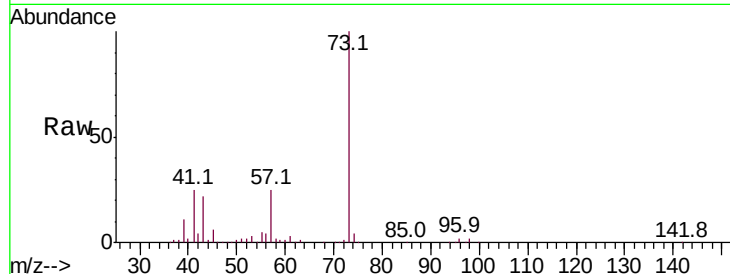
Methyl tert-butyl Ether
 Concen: 45.265 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.7	19.3	28.9

Manual Integrations
 APPROVED

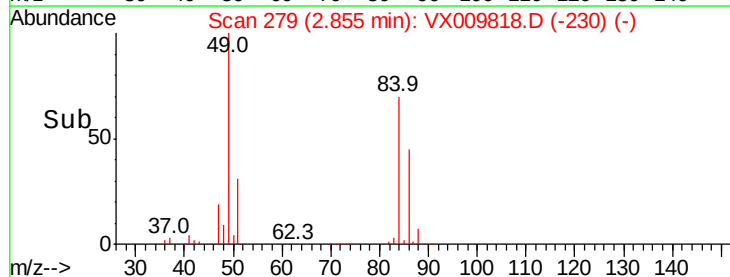
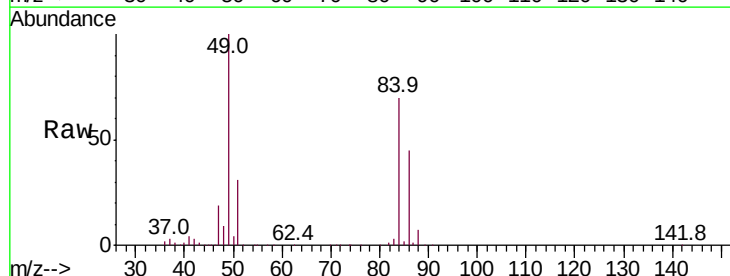
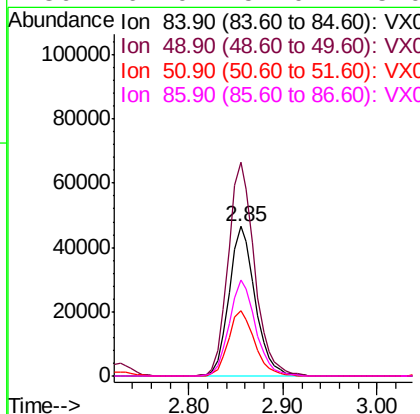
MMDadoda
 5/23/2019 10:45:16 AM

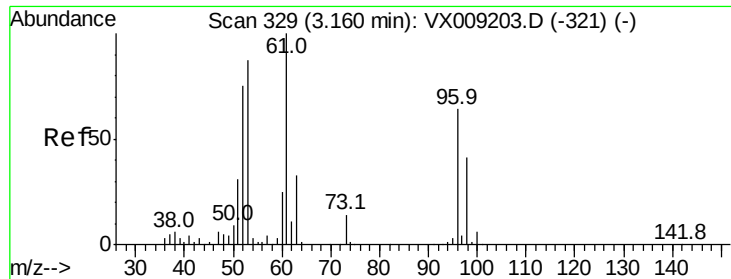


#20

Methylene Chloride
 Concen: 43.191 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.5	109.9	164.9
51	44.0	32.7	49.1
86	64.0	52.0	78.0





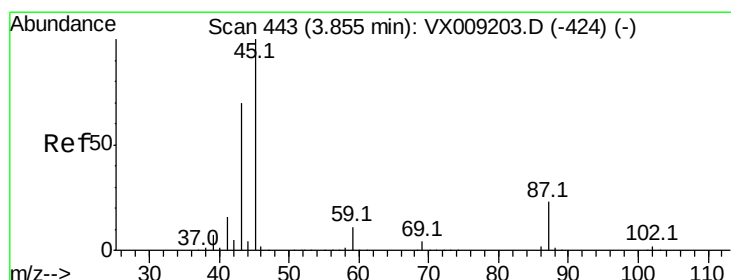
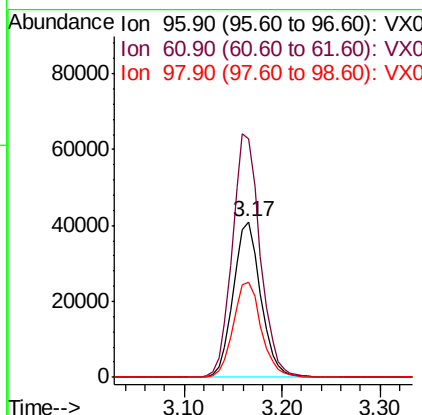
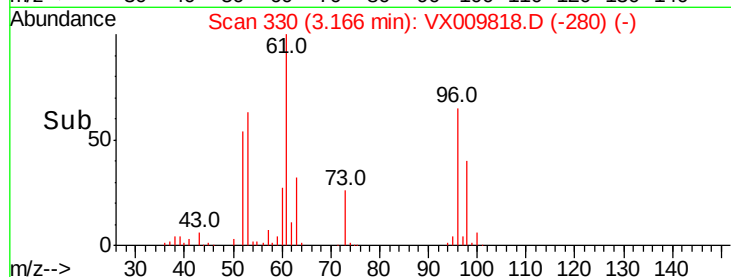
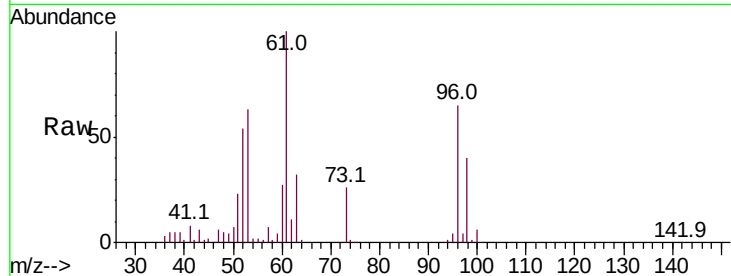
#21
trans-1,2-Dichloroethene
Concen: 44.972 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	124.5	186.7
98	61.0	50.4	75.6

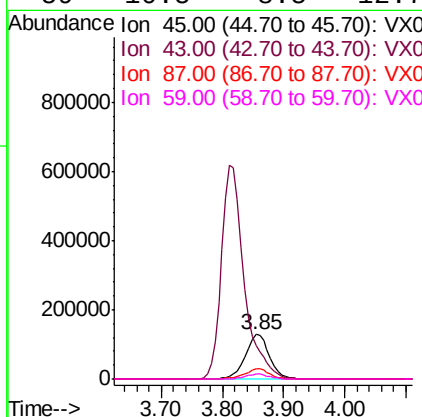
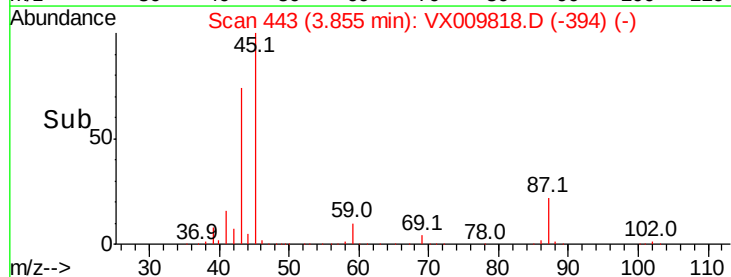
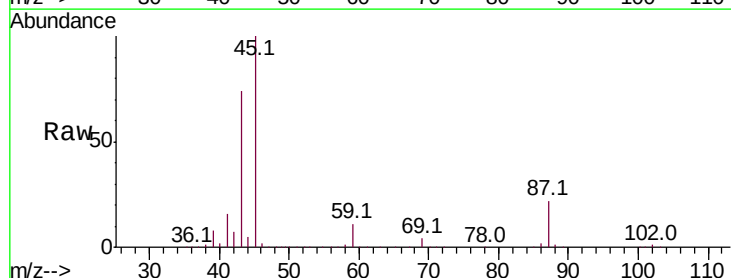
Manual Integrations
APPROVED

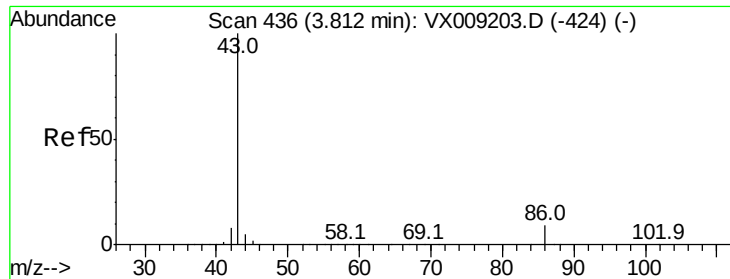
MMDadoda
5/23/2019 10:45:16 AM



#22
Diisopropyl ether
Concen: 45.920 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.2	56.1	84.1
87	22.4	18.1	27.1
59	10.5	8.5	12.7





#23

Vinyl Acetate

Concen: 241.882 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1595717

Ion Ratio Lower Upper

43 100

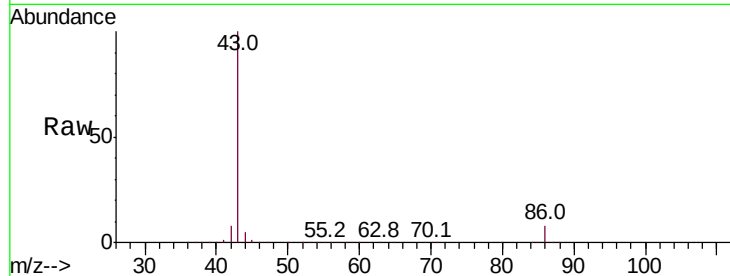
86 8.3 6.9 10.3

Manual Integrations

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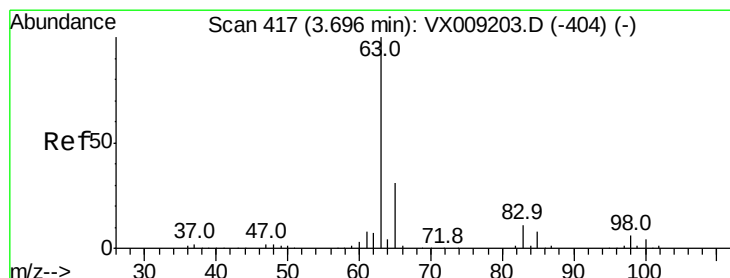
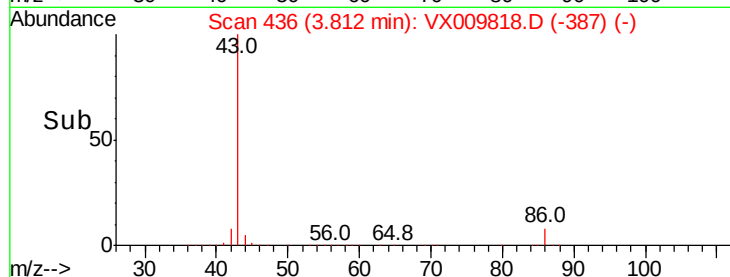
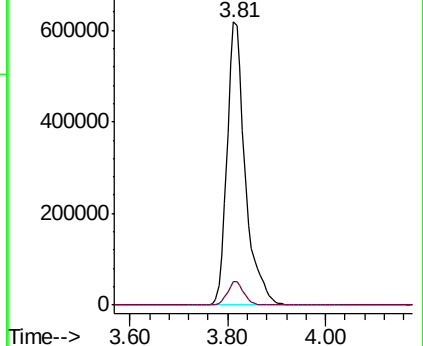
MMDadoda

5/23/2019 10:45:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 44.493 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

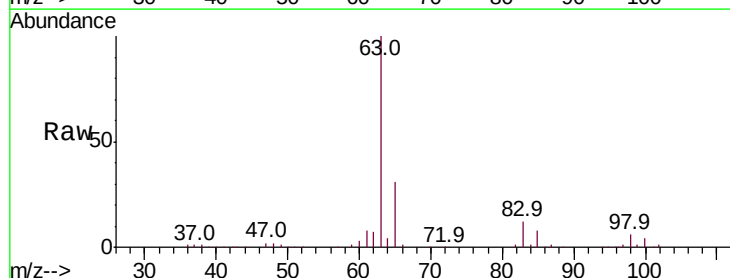
Tgt Ion: 63 Resp: 169096

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

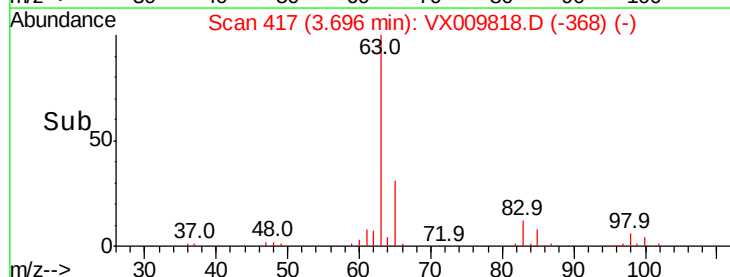
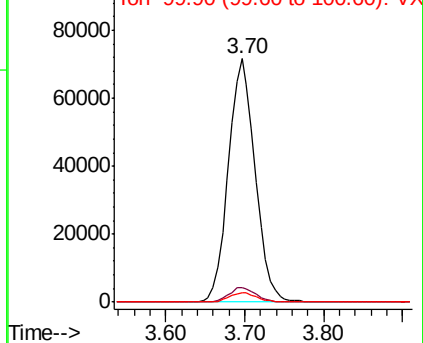
100 4.0 2.0 6.0

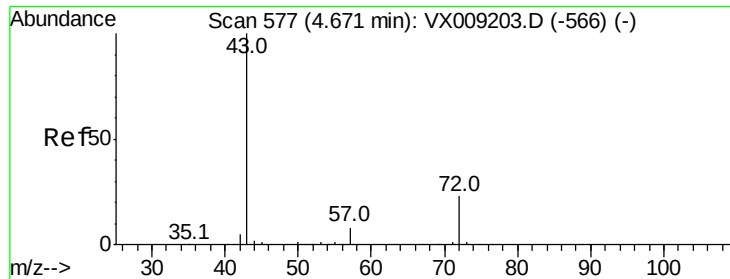


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 234.521 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 468014

Ion Ratio Lower Upper

43 100

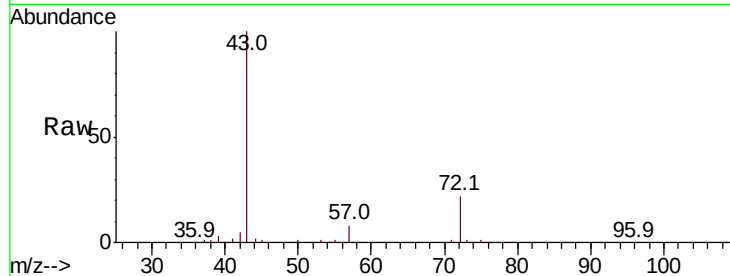
72 21.7 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

150000

100000

50000

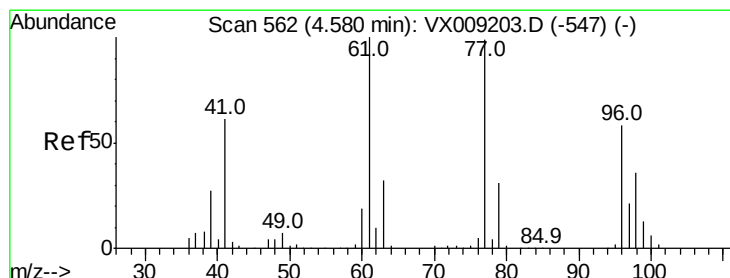
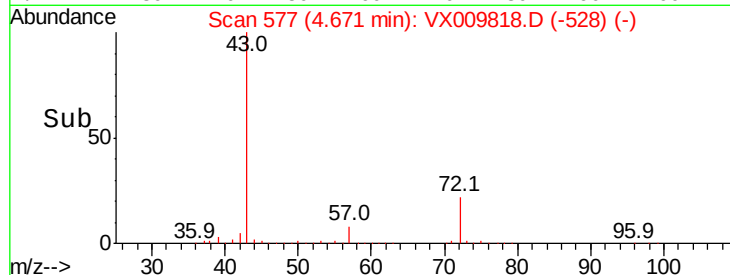
0

Time-->

4.60

4.70

4.80



#26

2,2-Dichloropropane

Concen: 39.357 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009818.D

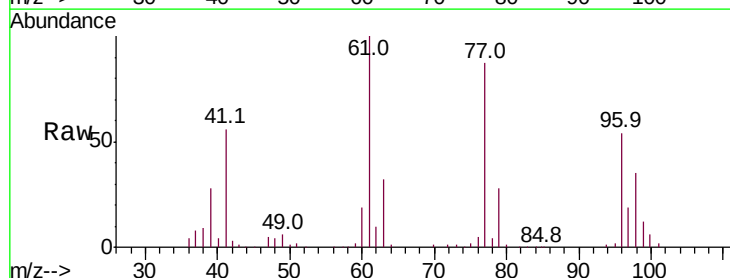
Acq: 22 May 2019 21:24

Tgt Ion: 77 Resp: 111337

Ion Ratio Lower Upper

77 100

97 23.0 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

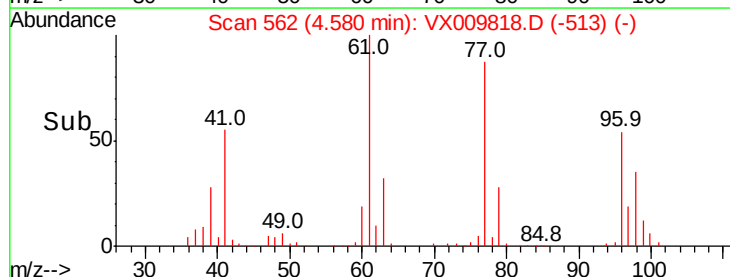
0

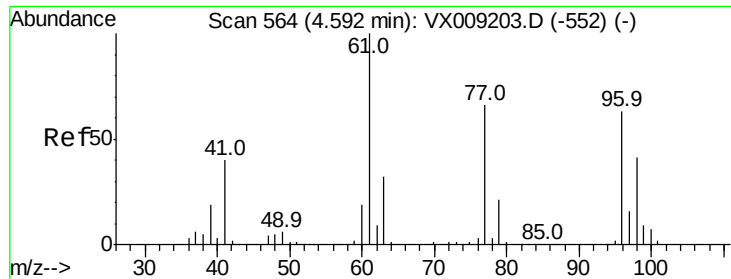
Time-->

4.50

4.60

4.70





#27

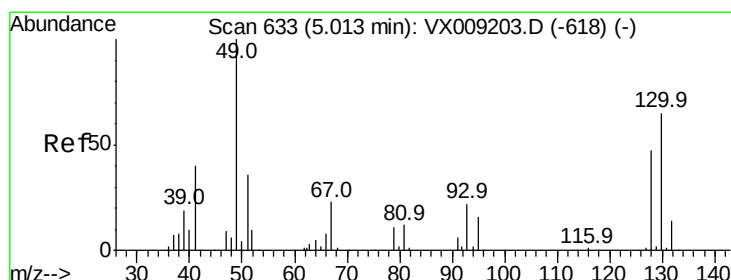
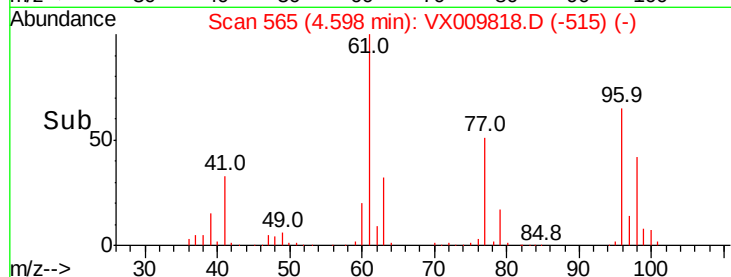
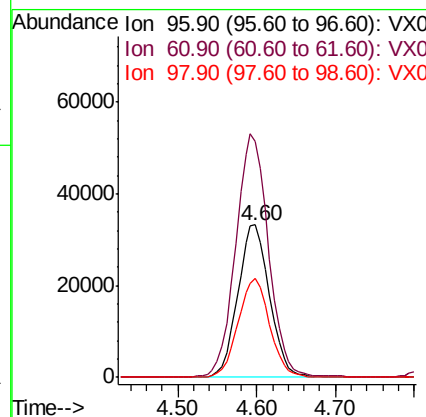
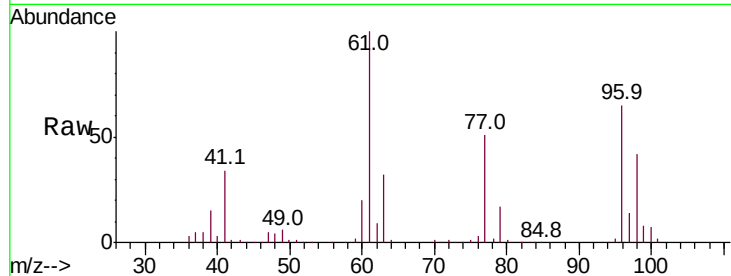
cis-1,2-Dichloroethene
Concen: 43.668 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.3	0.0	324.0
98	64.7	0.0	130.4

Manual Integrations
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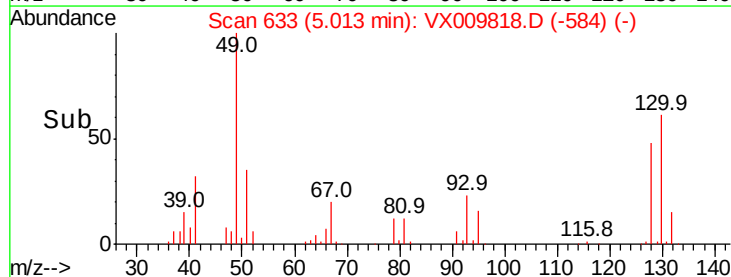
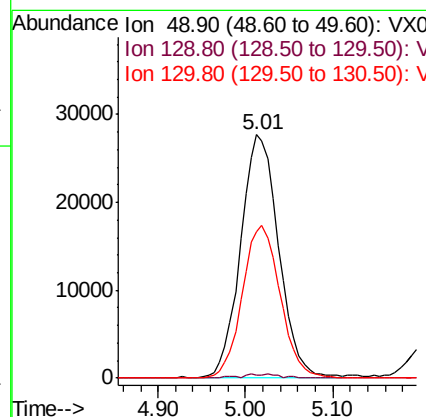
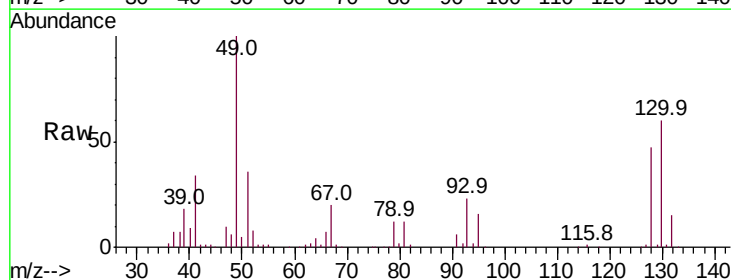
MMDadoda
5/23/2019 10:45:16 AM

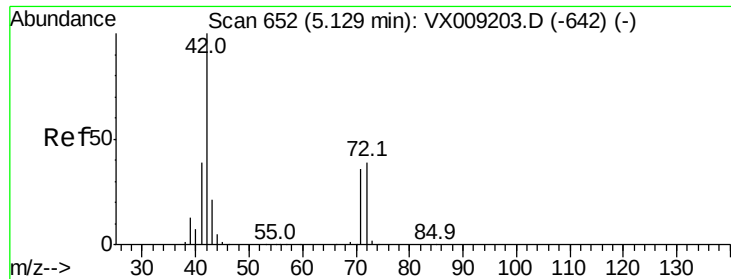


#28

Bromochloromethane
Concen: 54.868 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	62.5	51.2	76.8





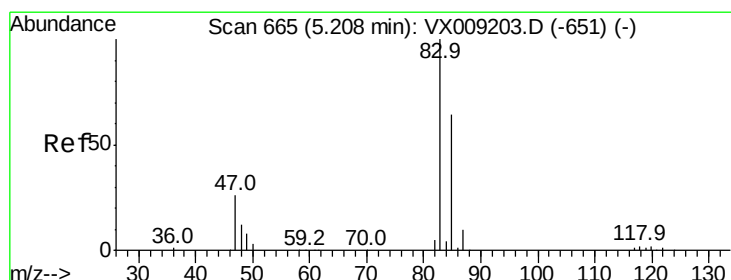
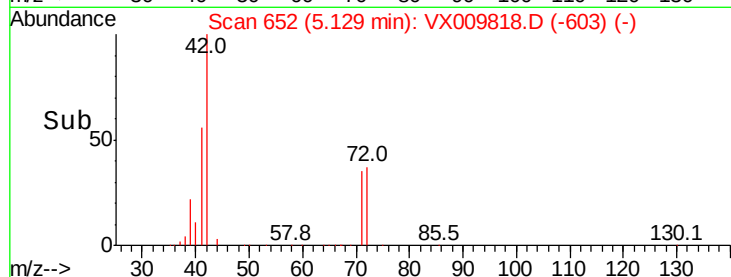
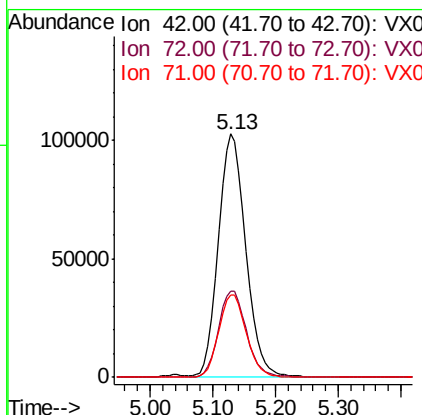
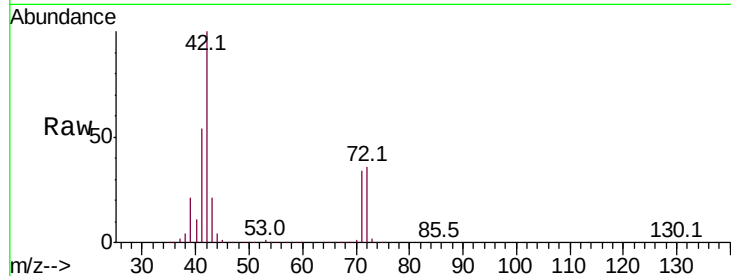
#29
Tetrahydrofuran
Concen: 242.040 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.4	45.6
71	34.2	28.6	43.0

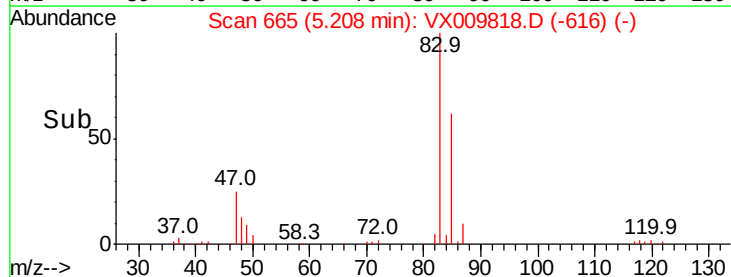
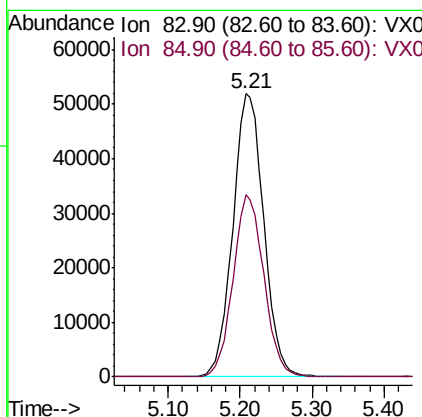
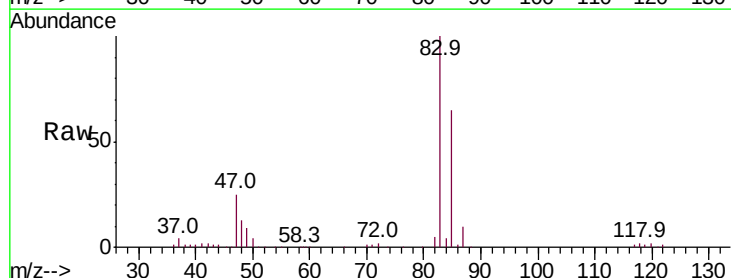
Manual Integrations
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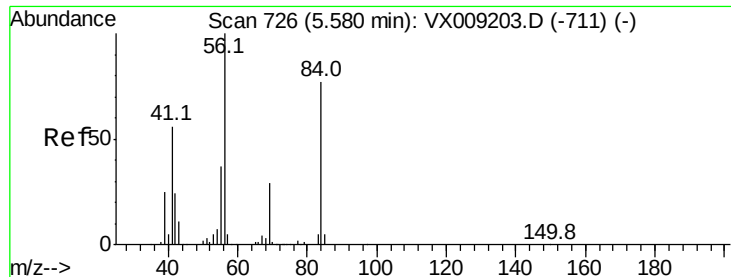
MMDadoda
5/23/2019 10:45:16 AM



#30
Chloroform
Concen: 44.923 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3





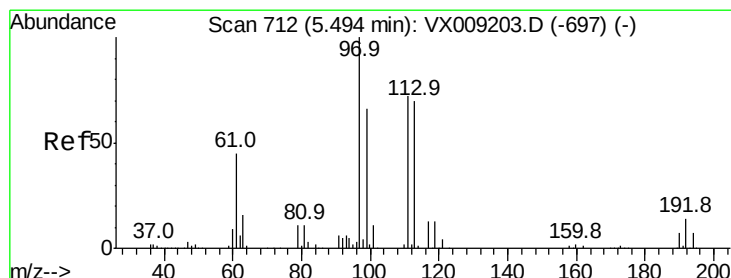
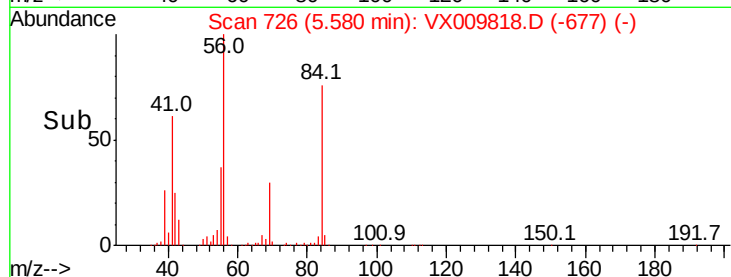
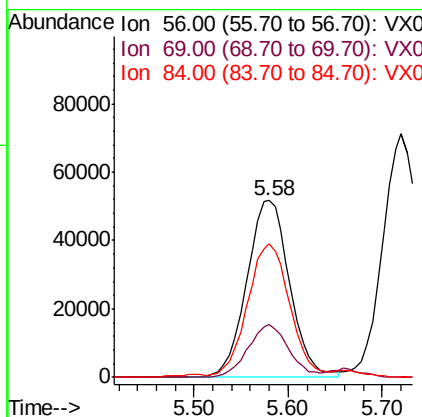
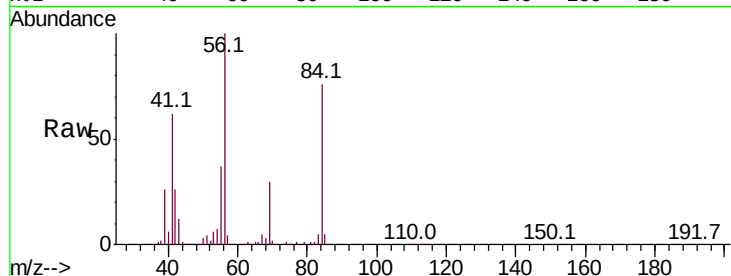
#31
Cyclohexane
Concen: 46.468 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.4	35.0
84	74.2	61.9	92.9

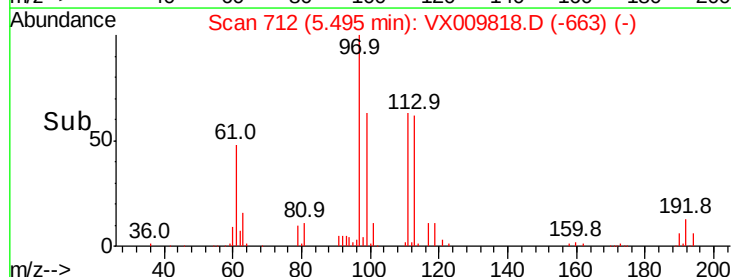
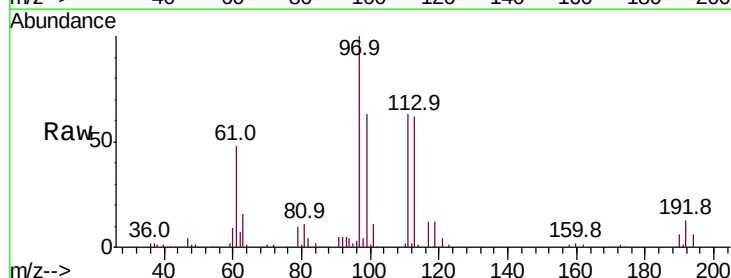
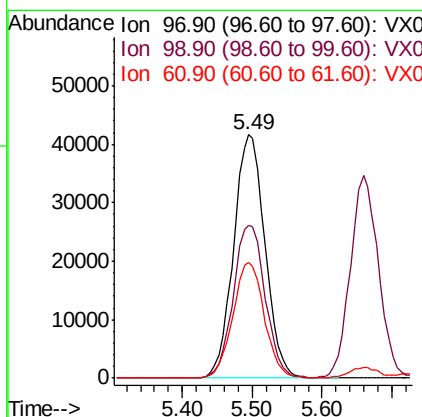
Manual Integrations
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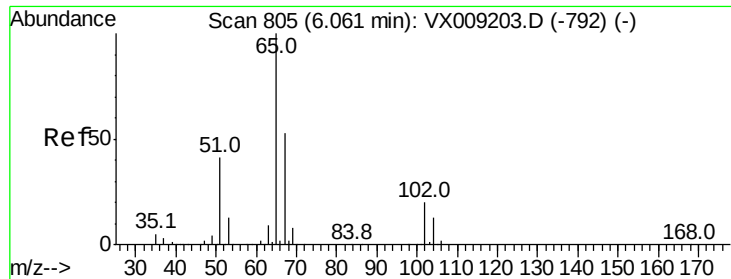
MMDadoda
5/23/2019 10:45:16 AM



#32
1,1,1-Trichloroethane
Concen: 45.268 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	47.9	37.8	56.8





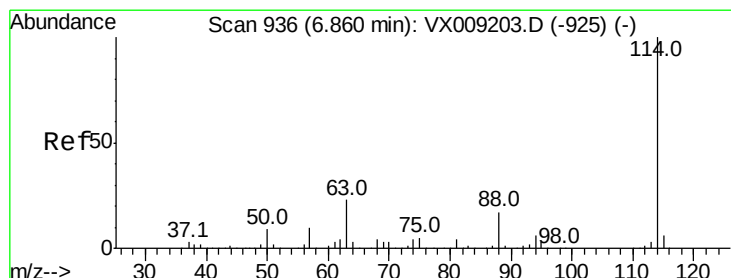
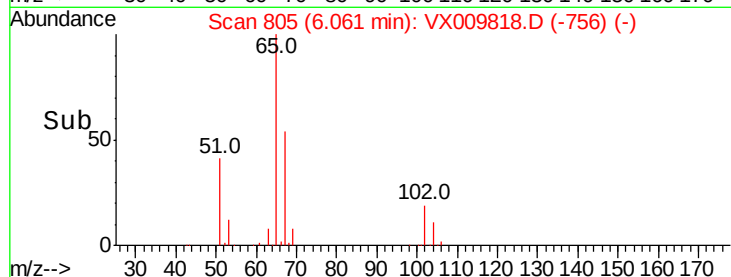
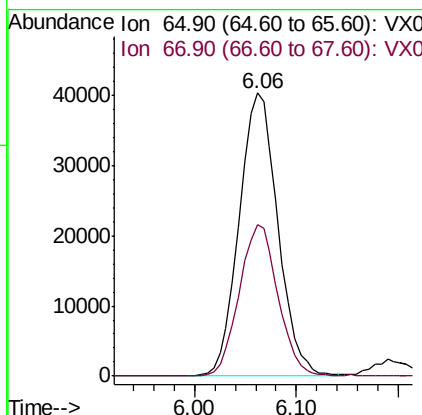
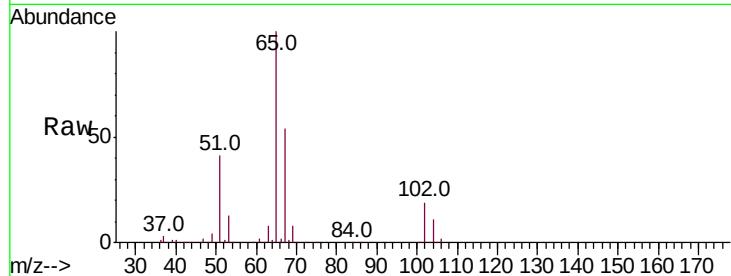
#33
 1,2-Dichloroethane-d4
 Concen: 44.443 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	106.6	

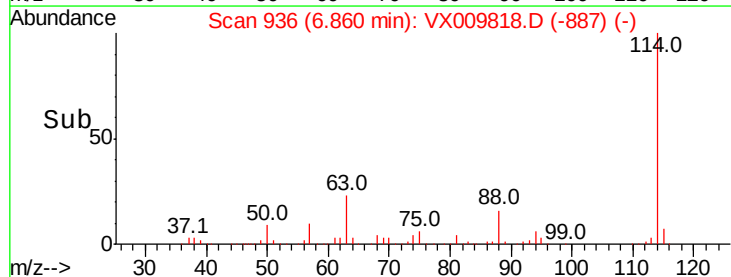
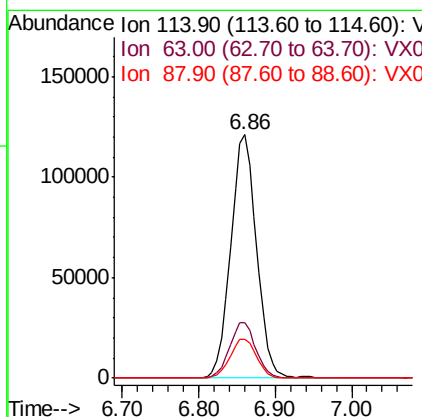
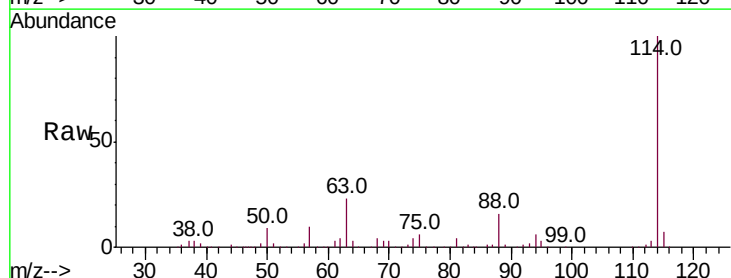
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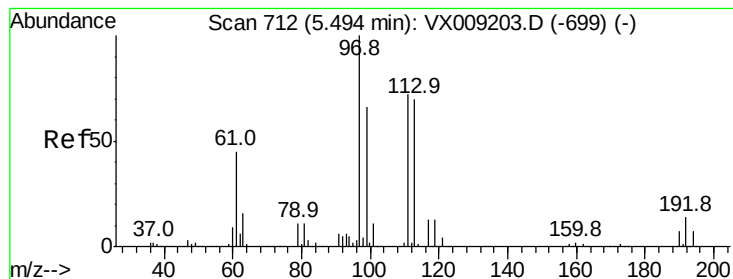
MMDadoda
 5/23/2019 10:45:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.0	0.0	45.6	
88	16.2	0.0	33.2	





#35

Dibromofluoromethane

Concen: 42.477 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 75476

Ion Ratio Lower Upper

113 100

111 104.2 82.8 124.2

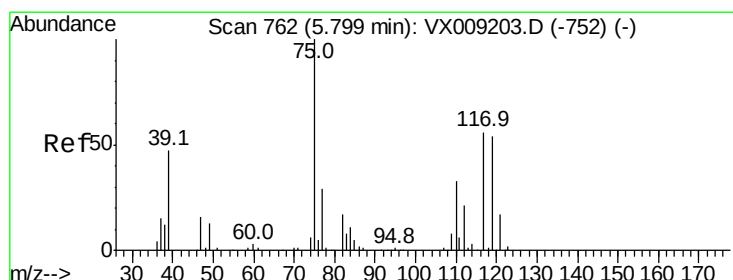
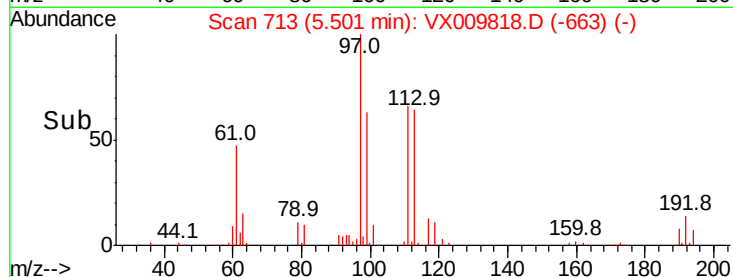
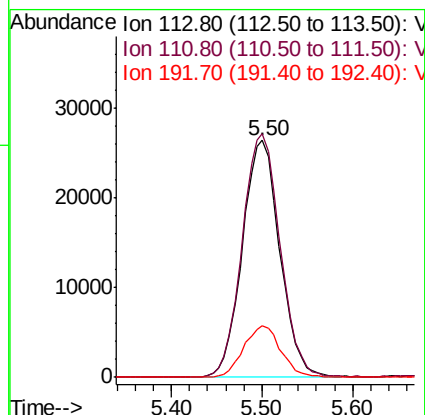
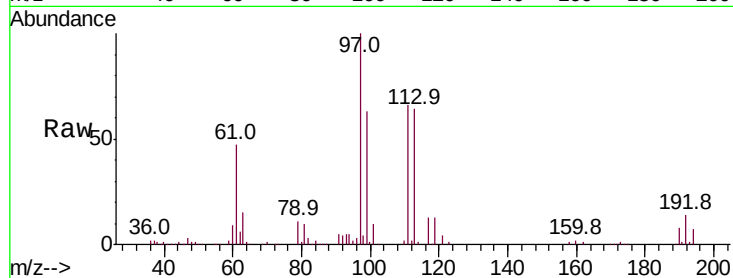
192 21.7 17.0 25.6

Manual Integrations

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MMDadoda

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#36

1,1-Dichloropropene

Concen: 45.501 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

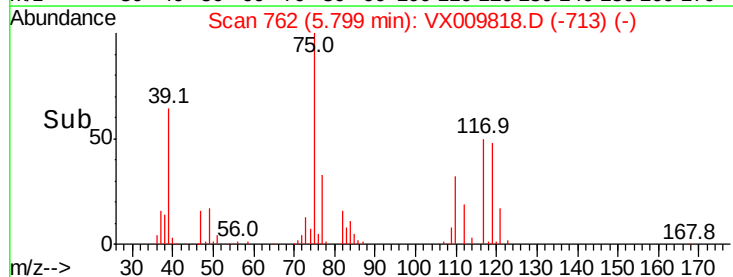
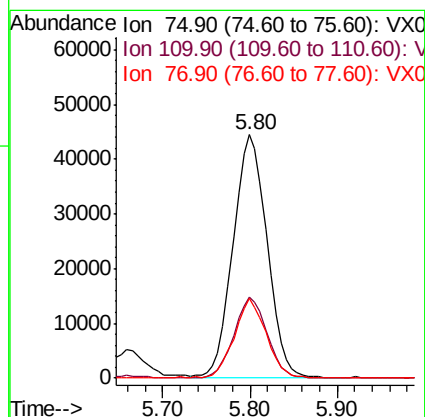
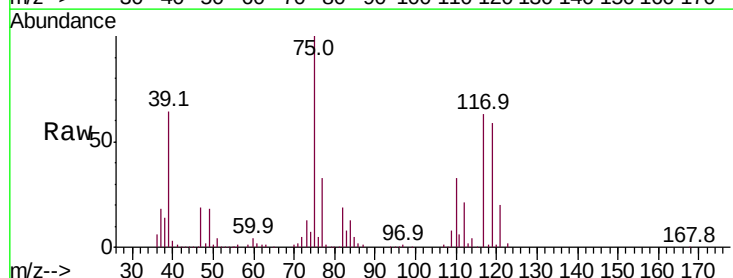
Tgt Ion: 75 Resp: 119519

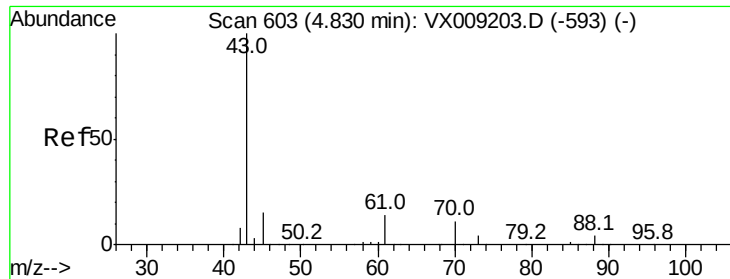
Ion Ratio Lower Upper

75 100

110 32.8 16.9 50.6

77 31.3 24.8 37.2





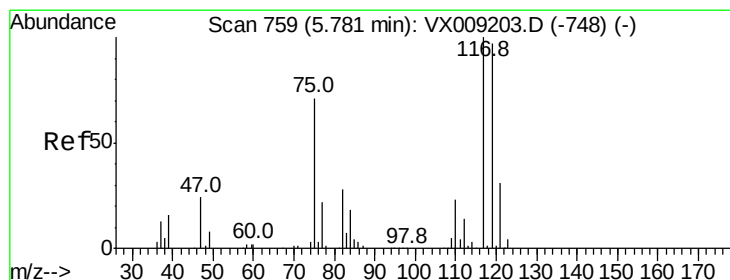
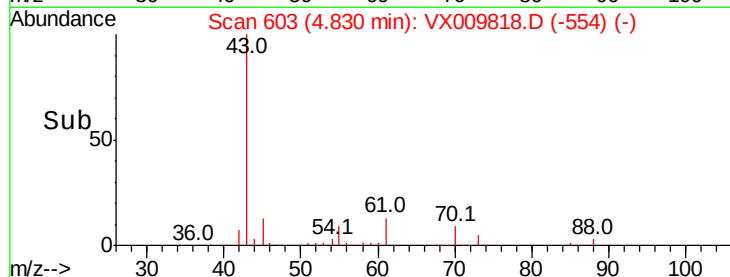
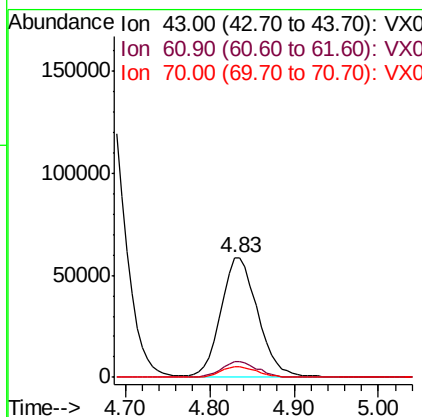
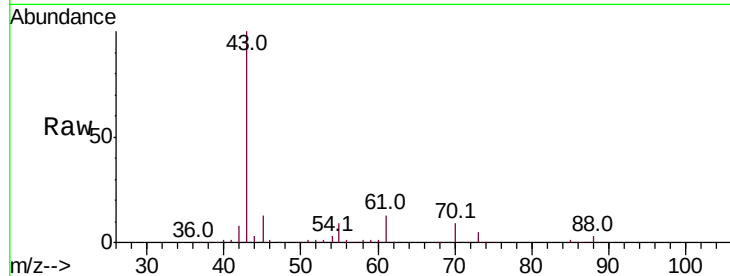
#37
Ethyl Acetate
Concen: 47.523 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.1	7.9	11.9

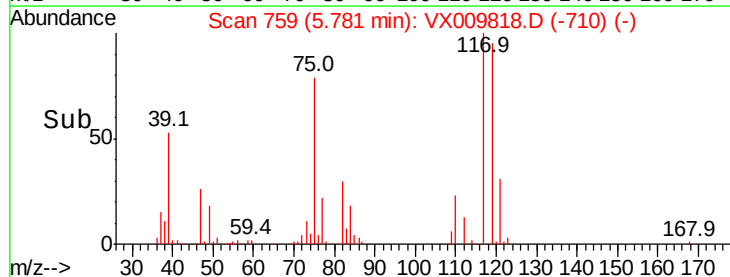
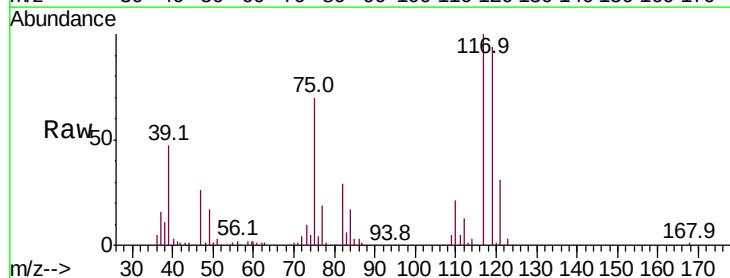
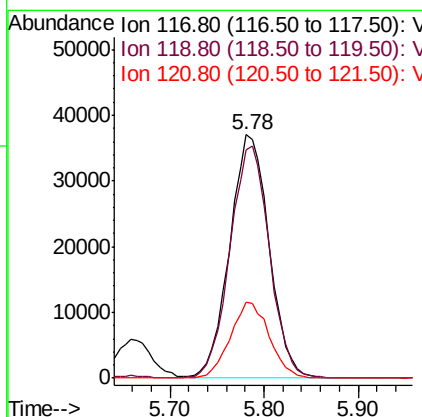
Manual Integrations
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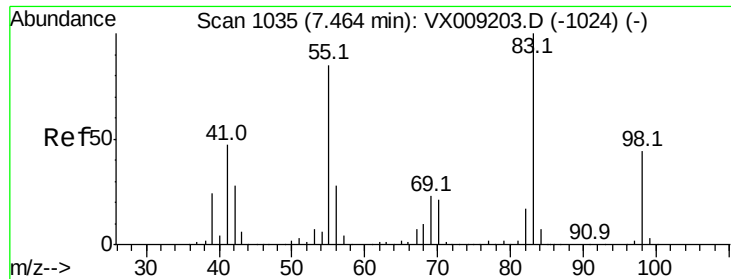
MMDadoda
5/23/2019 10:45:16 AM



#38
Carbon Tetrachloride
Concen: 45.295 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.5	116.3
121	31.2	24.7	37.1





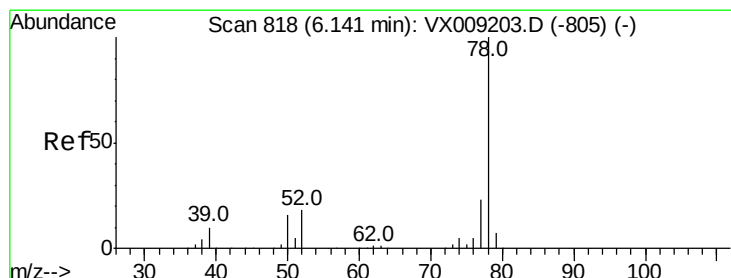
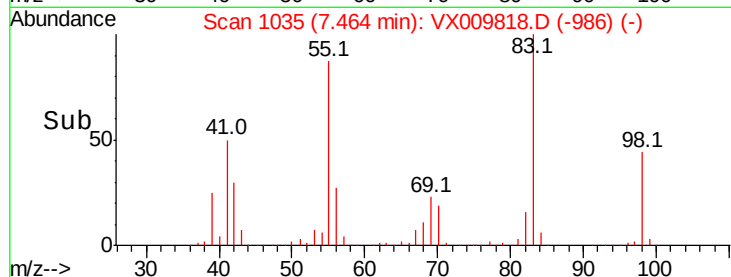
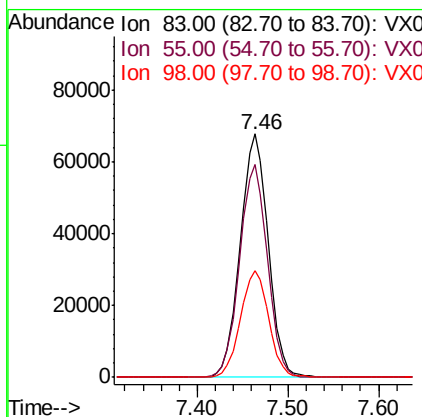
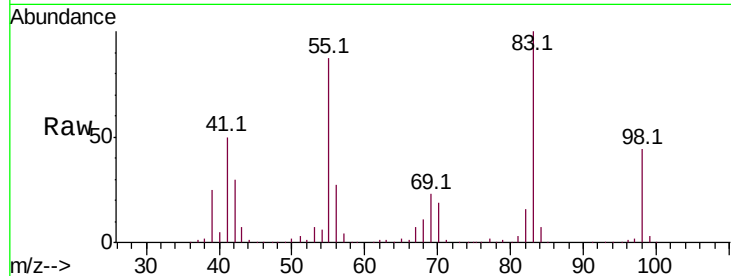
#39
Methylvlcyclohexane
Concen: 44.786 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	83	Resp	144475
Ion Ratio	100	Lower	Upper
83	100		
55	87.1	67.7	101.5
98	43.7	35.5	53.3

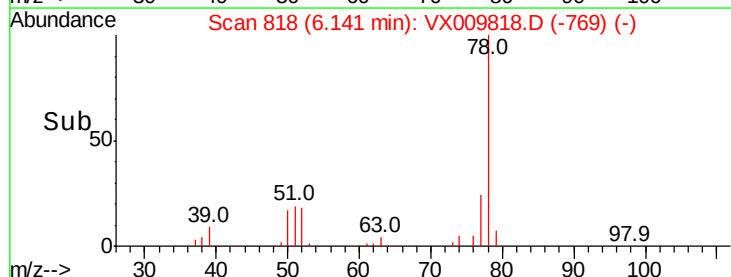
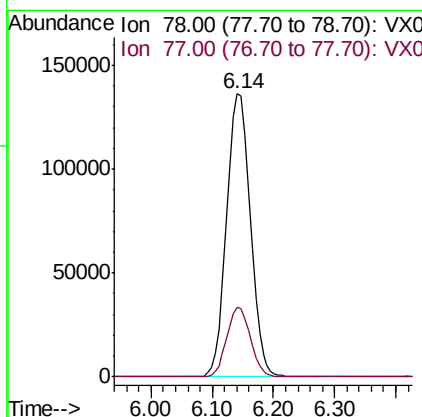
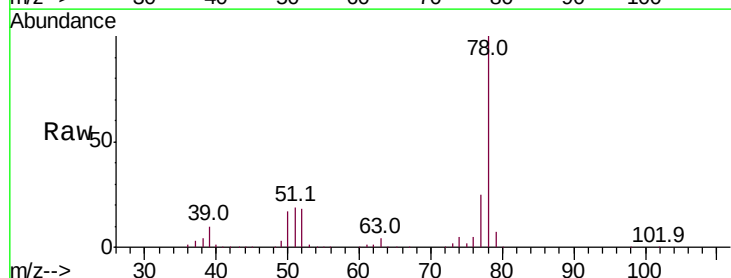
Manual Integrations
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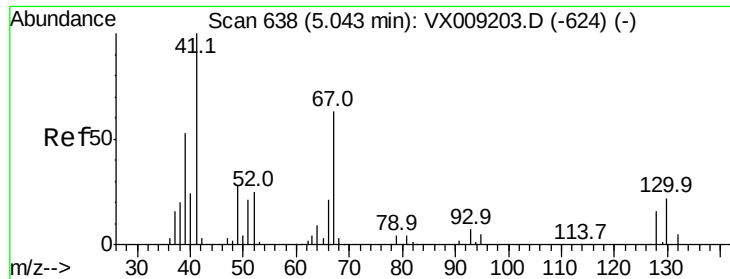
MMDadoda
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#40
Benzene
Concen: 44.961 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	78	Resp	365503
Ion Ratio	100	Lower	Upper
78	100		
77	24.6	18.8	28.2





#41

Methacrylonitrile

Concen: 45.868 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

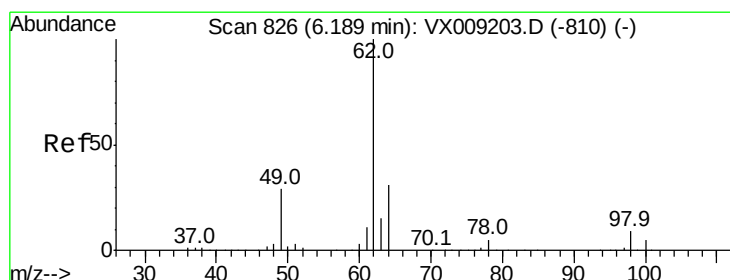
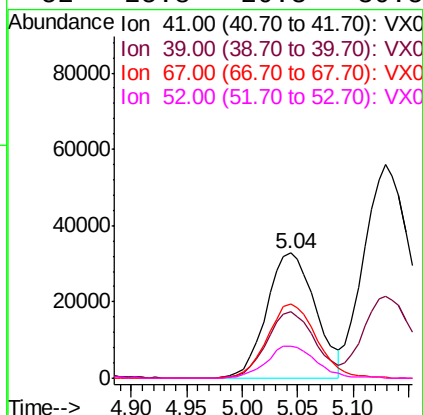
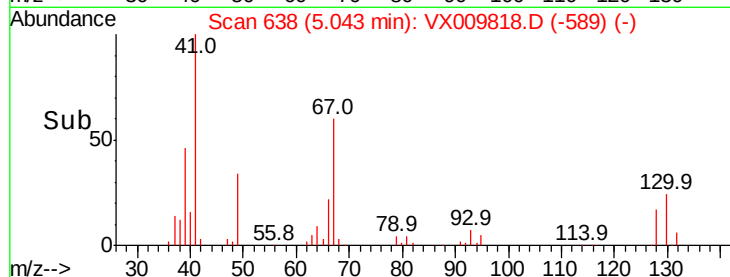
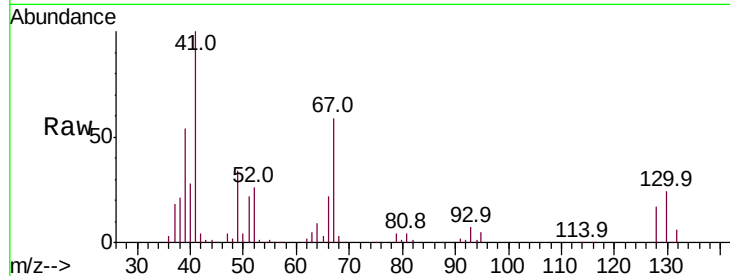
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.0	63.0	
67	60.1	49.8	74.8	
52	25.8	20.3	30.5	

Manual Integrations
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5/23/2019 10:45:16 AM



#42

1,2-Dichloroethane

Concen: 46.199 ug/l

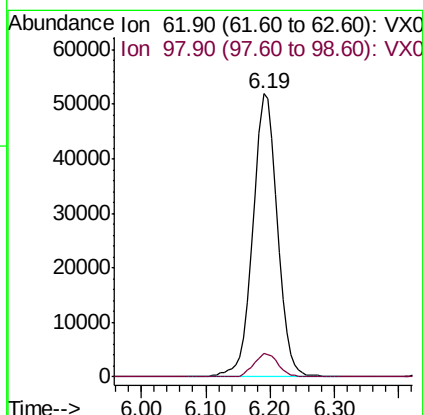
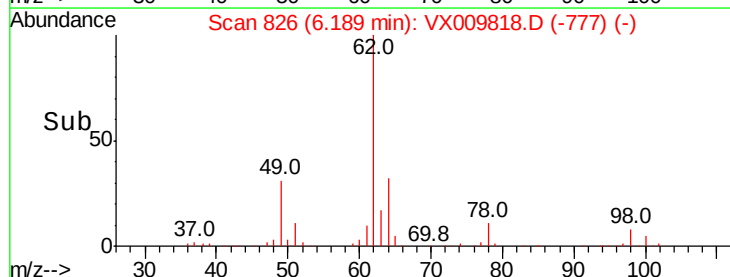
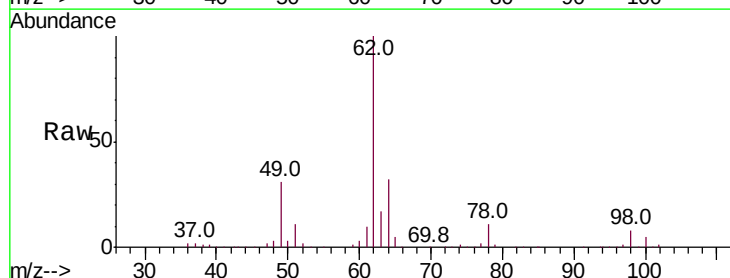
RT: 6.19 min Scan# 826

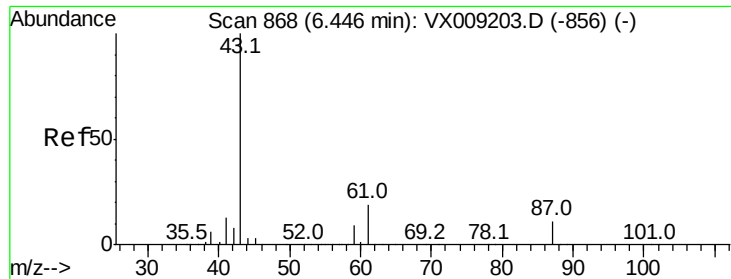
Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	18.2	





#43

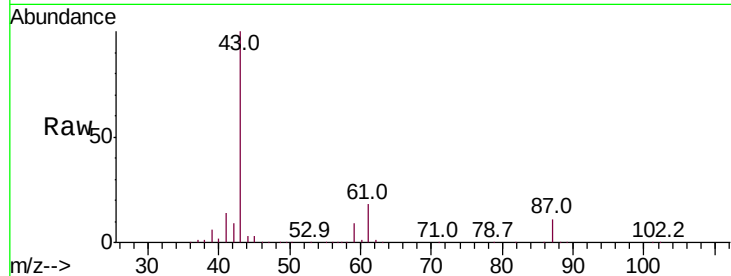
Isopropyl Acetate
 Concen: 47.720 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

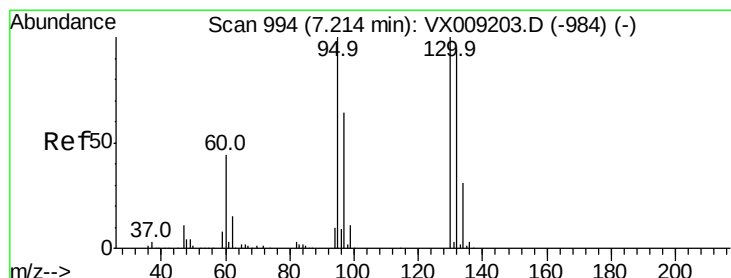
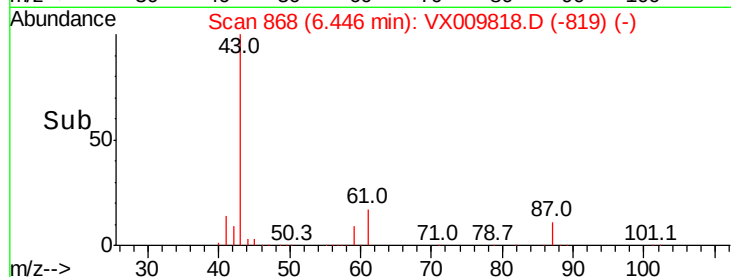
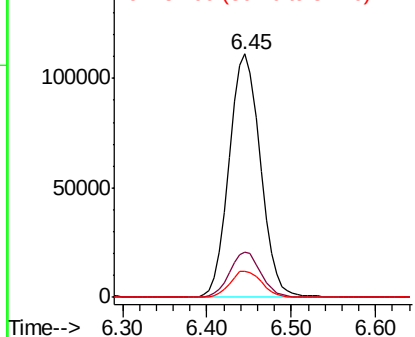
Tot Ion	43	61	87
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.1	22.7
87	10.8	9.0	13.6

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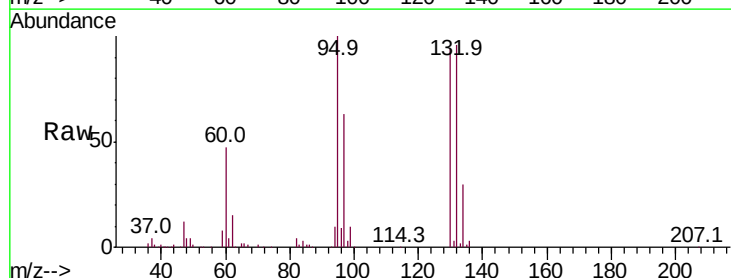
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



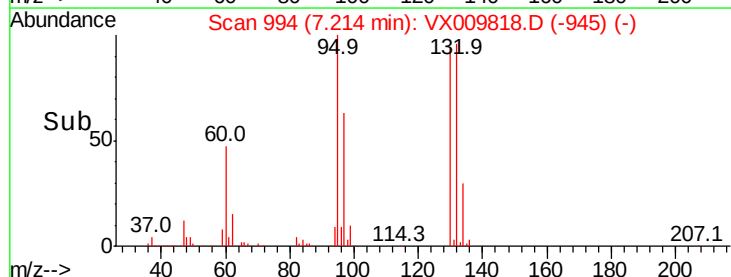
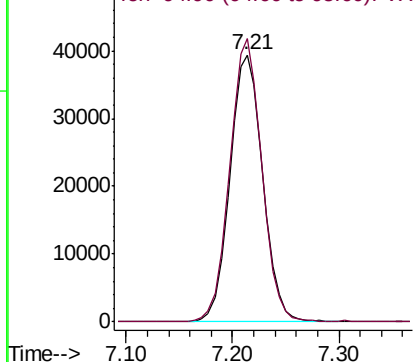
#44

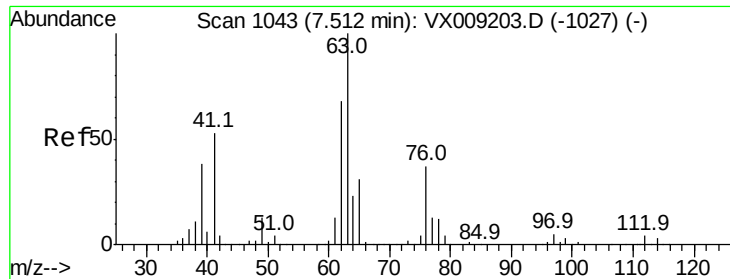
Trichloroethene
 Concen: 43.161 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Tgt Ion:130	Resp:	84822
Ion Ratio	Lower	Upper
130 100		
95 105.8	0.0	199.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 45.255 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 104172

Ion Ratio Lower Upper

63 100

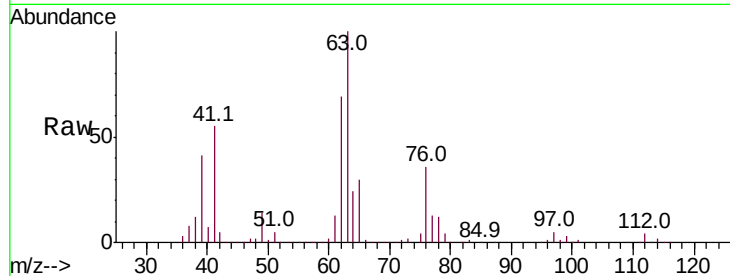
65 30.0 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

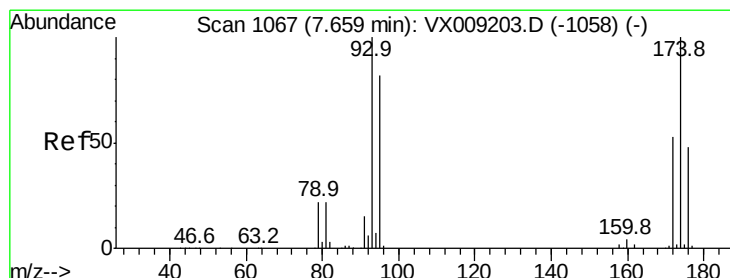
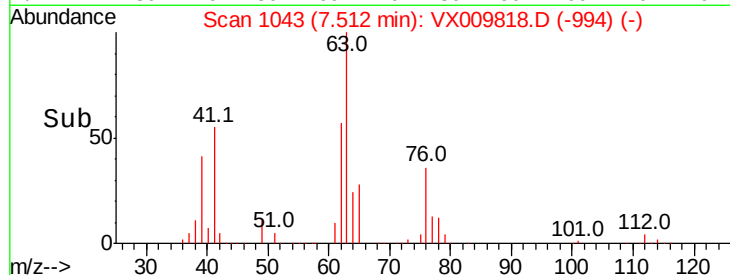
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 44.197 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

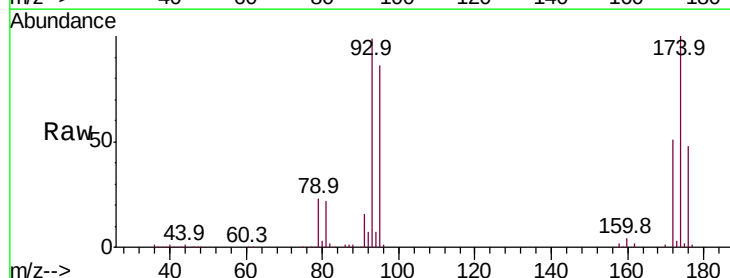
Tgt Ion: 93 Resp: 59079

Ion Ratio Lower Upper

93 100

95 84.2 66.5 99.7

174 103.8 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

40000

30000

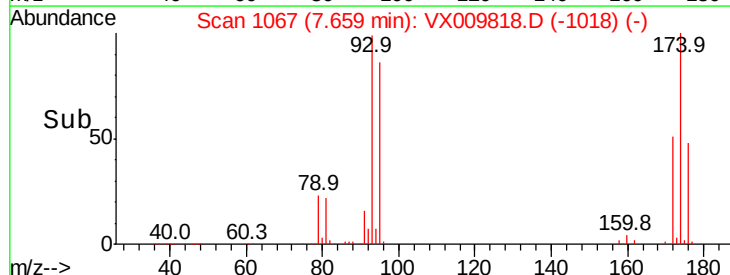
20000

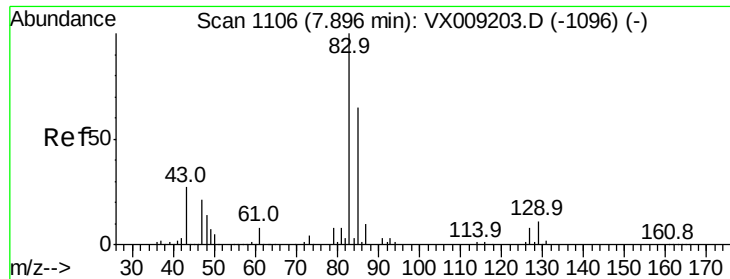
10000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 44.893 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

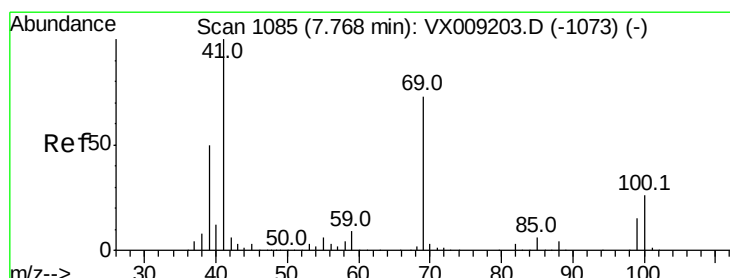
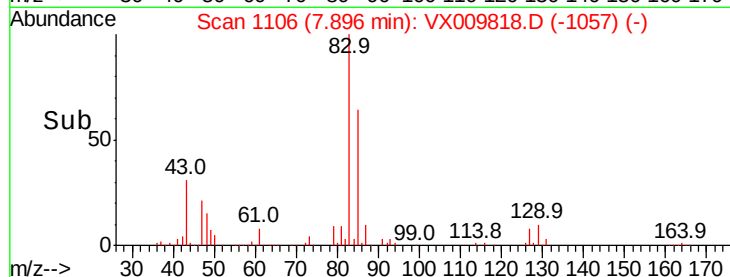
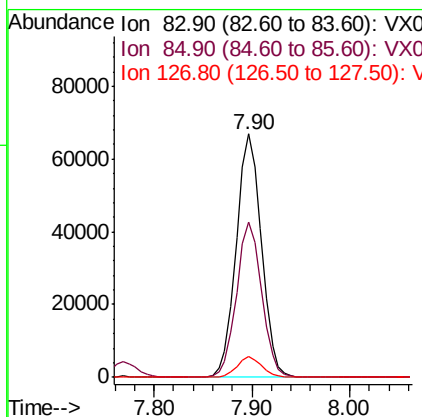
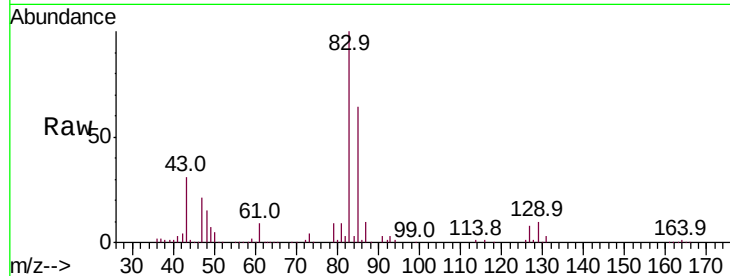
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	119704
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.4	78.6
127	8.5	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.425 ug/l

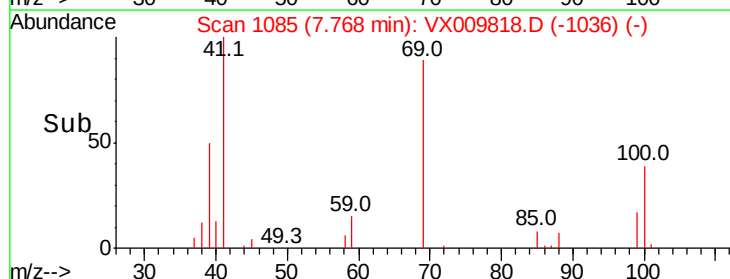
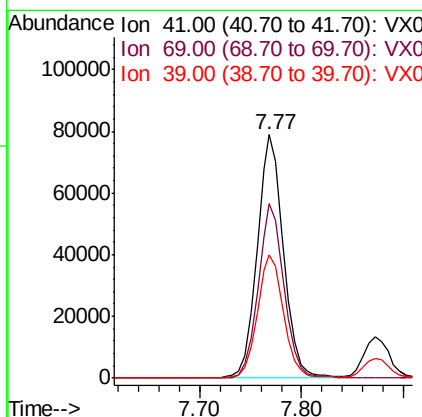
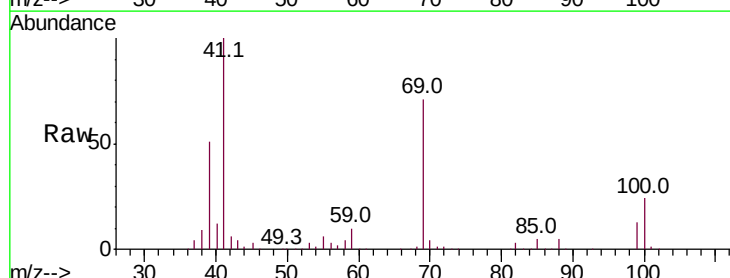
RT: 7.77 min Scan# 1085

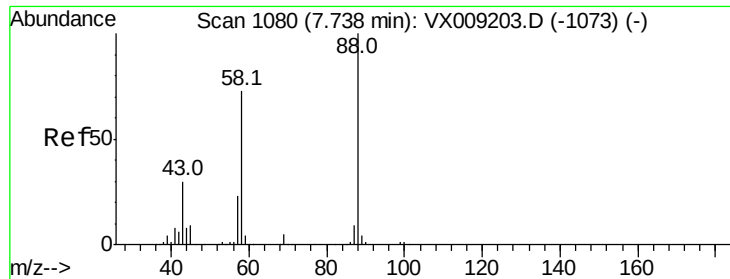
Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Tgt Ion:	41	Resp:	140643
Ion	Ratio	Lower	Upper
41	100		
69	70.9	59.1	88.7
39	50.5	40.4	60.6





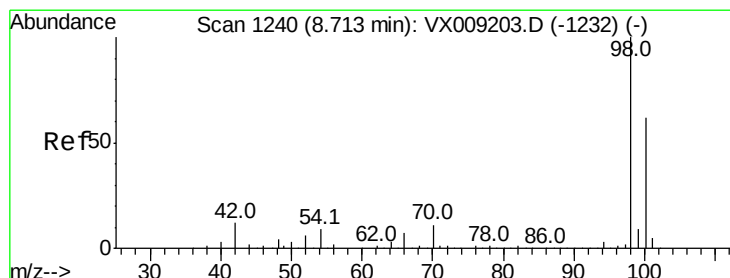
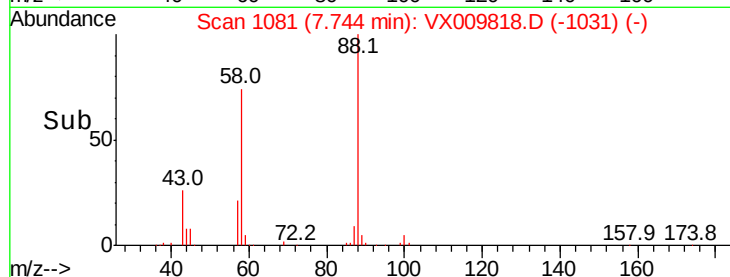
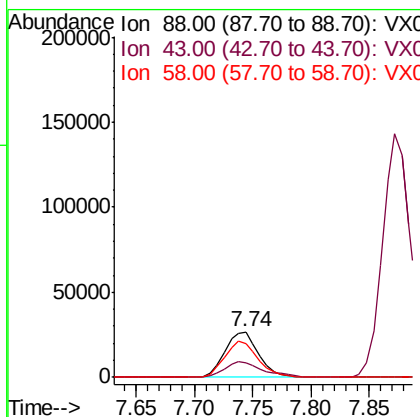
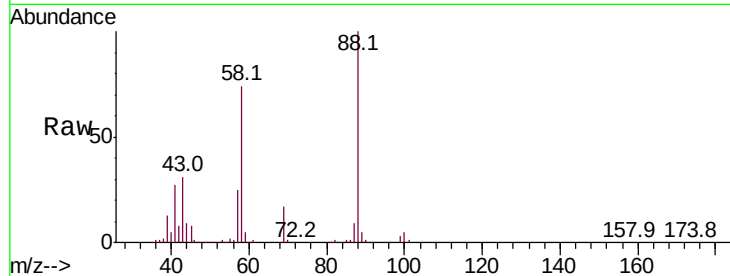
#49
1,4-Dioxane
Concen: 915.711 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.6	42.8
58	79.9	61.7	92.5

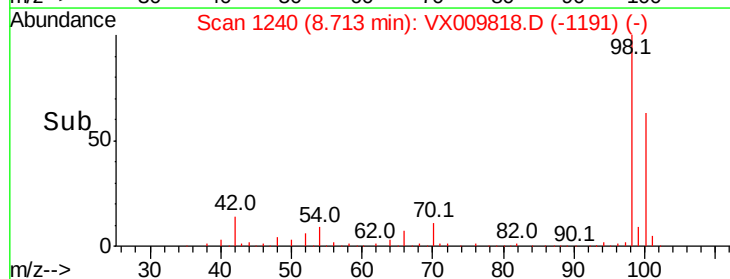
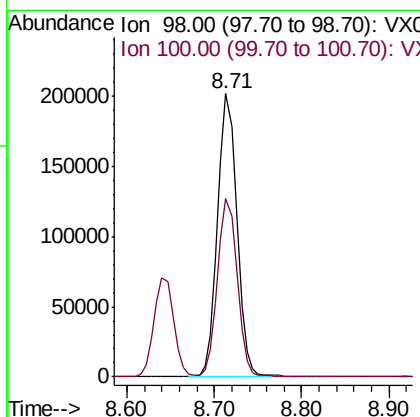
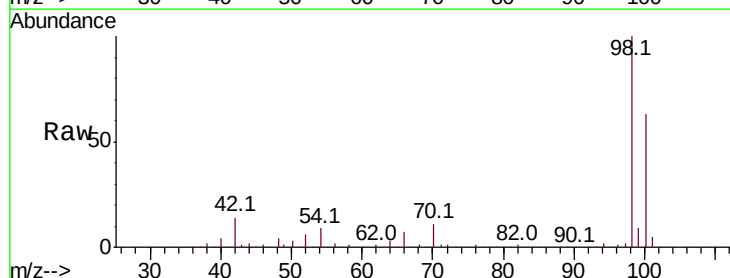
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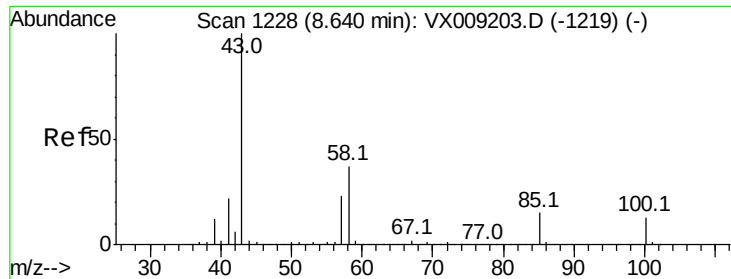
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#50
Toluene-d8
Concen: 43.371 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 245.128 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 937939

Ion Ratio Lower Upper

43 100

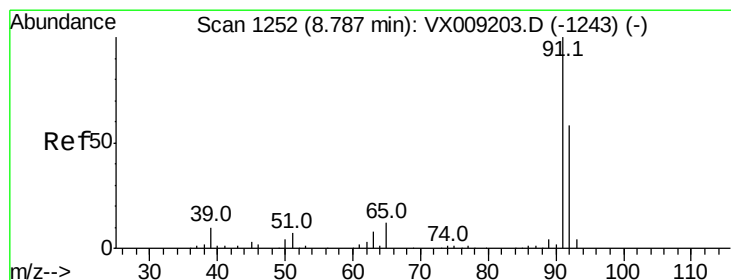
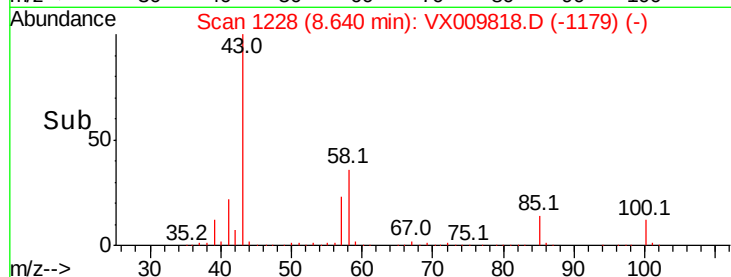
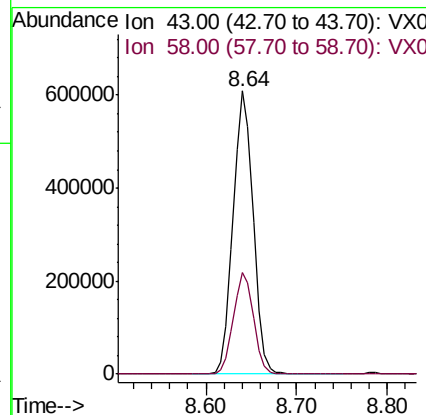
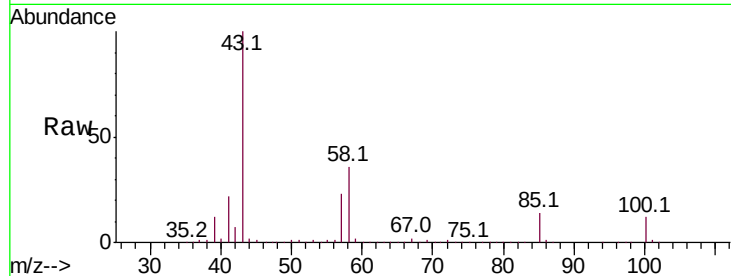
58 35.8 29.5 44.3

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#52

Toluene

Concen: 45.156 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009818.D

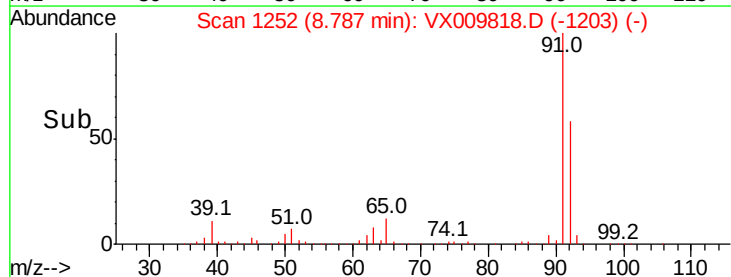
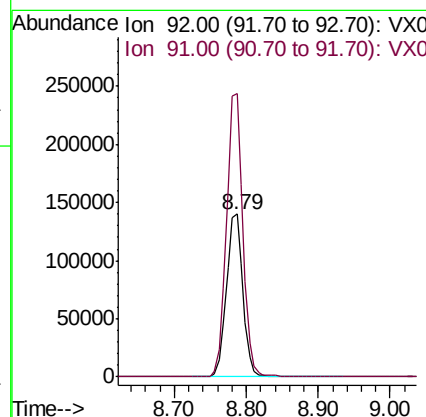
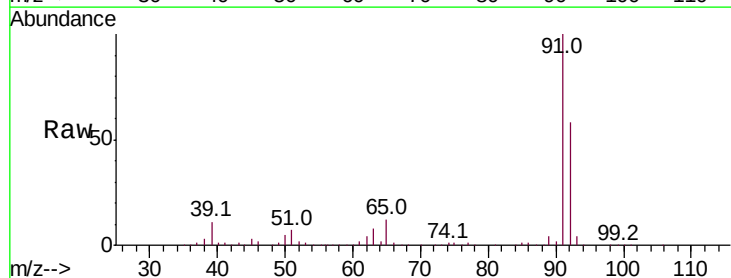
Acq: 22 May 2019 21:24

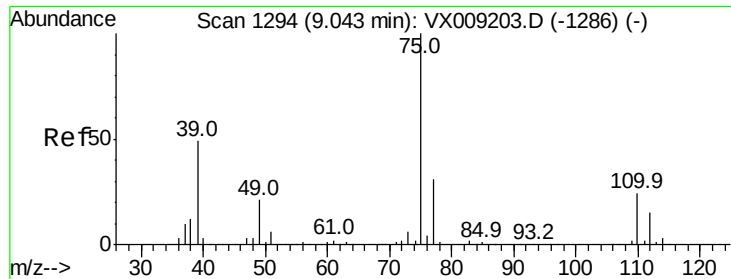
Tgt Ion: 92 Resp: 223143

Ion Ratio Lower Upper

92 100

91 173.2 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 46.191 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 139054

Ion Ratio Lower Upper

75 100

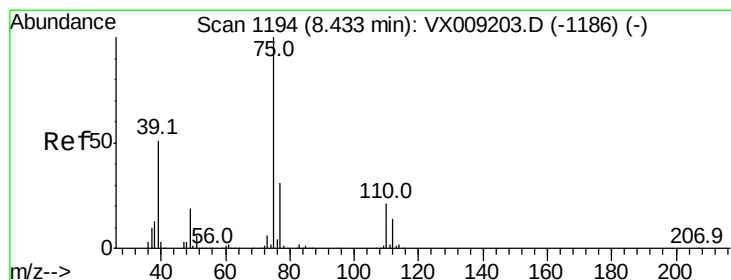
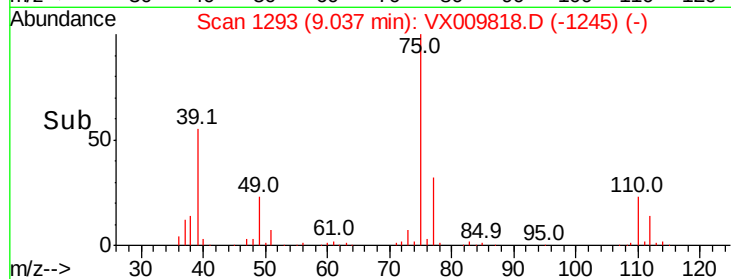
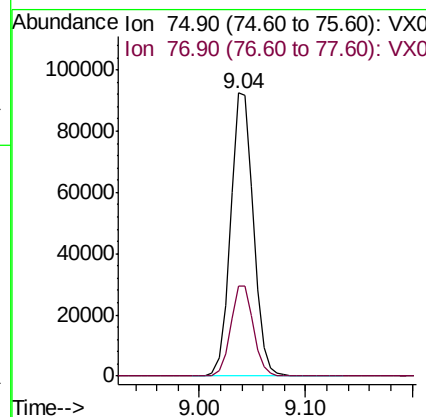
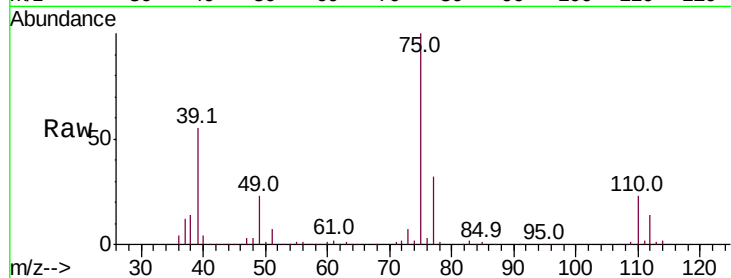
77 31.9 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 45.792 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

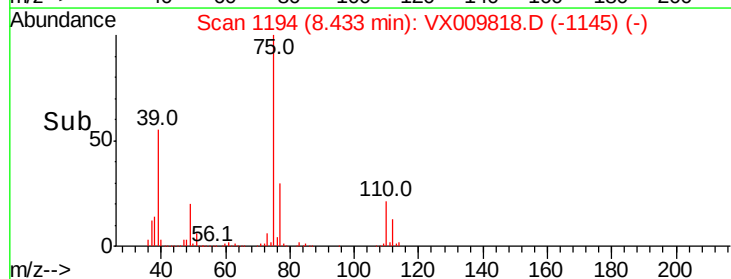
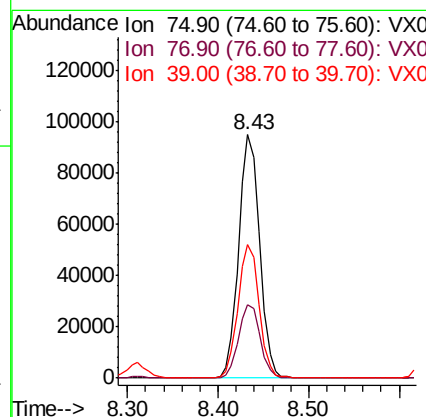
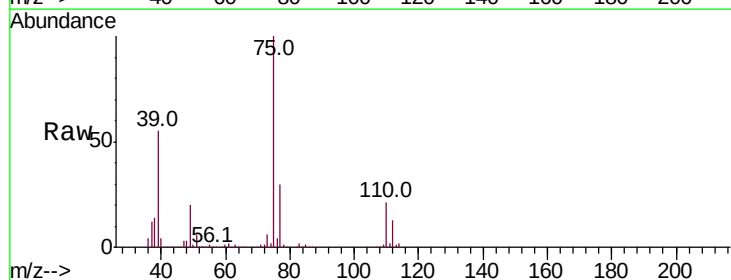
Tgt Ion: 75 Resp: 152580

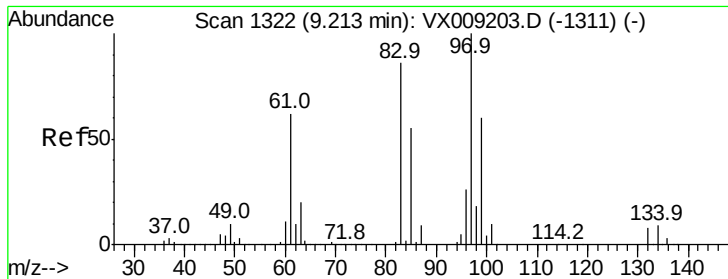
Ion Ratio Lower Upper

75 100

77 30.3 24.6 36.8

39 54.6 40.6 60.8





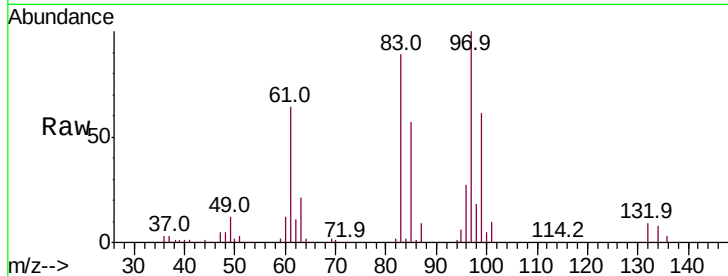
#55
1,1,2-Trichloroethane
Concen: 44.771 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	90259		
83	89.4	68.9	103.3	
85	57.3	43.8	65.6	
99	61.4	48.2	72.2	

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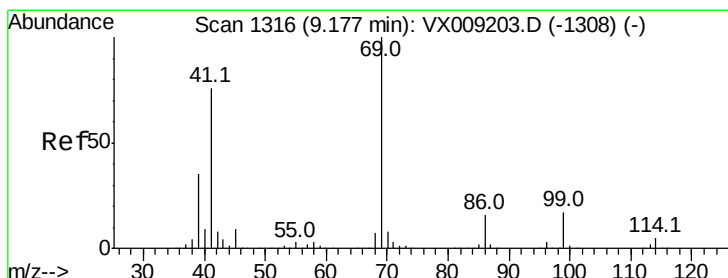
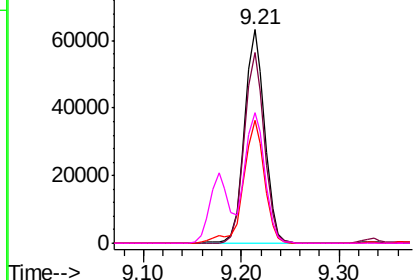
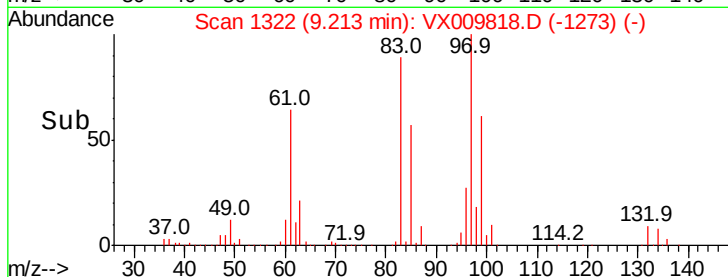
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

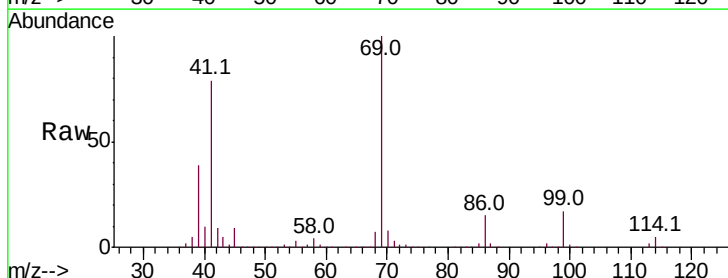
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
Ethyl methacrylate
Concen: 46.515 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	167393		
41	79.7	60.6	90.8	
39	38.5	28.2	42.4	

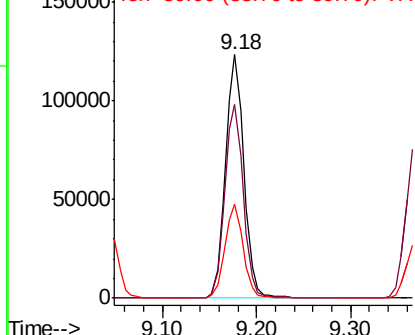
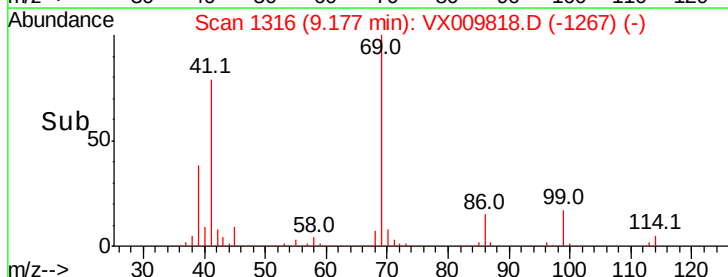


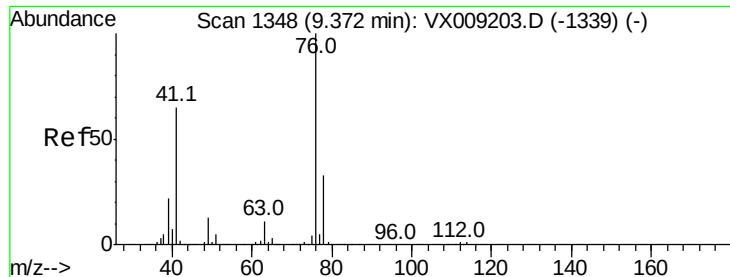
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





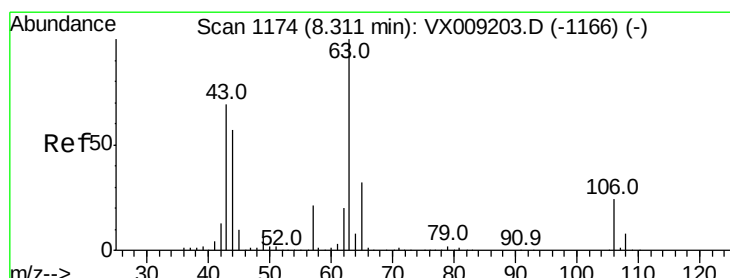
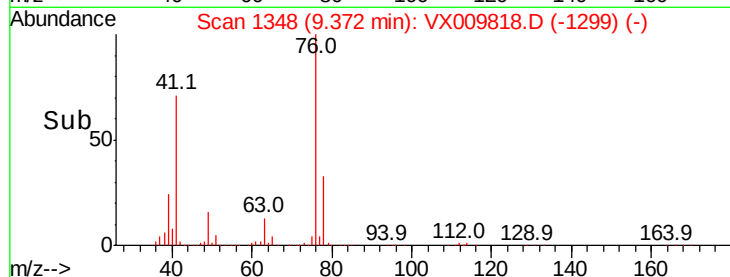
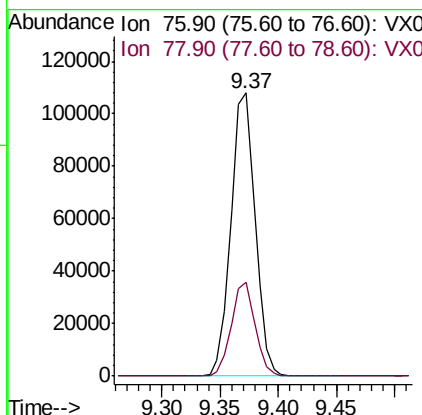
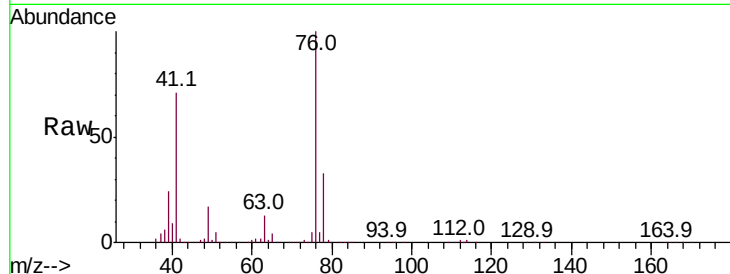
#57
 1,3-Dichloropropane
 Concen: 44.599 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 158224
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3

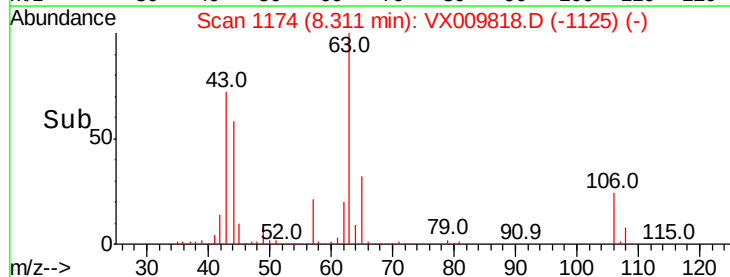
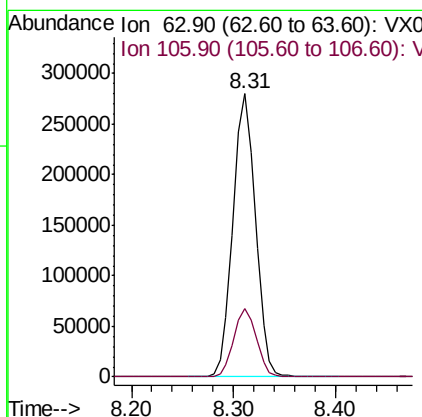
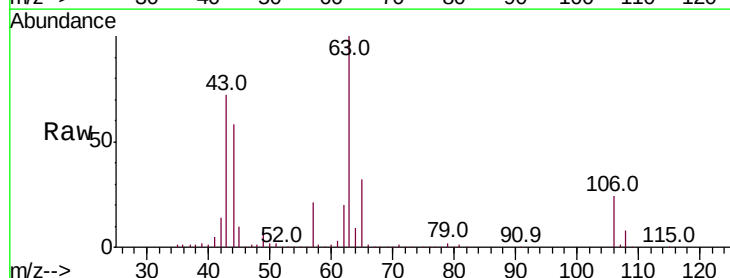
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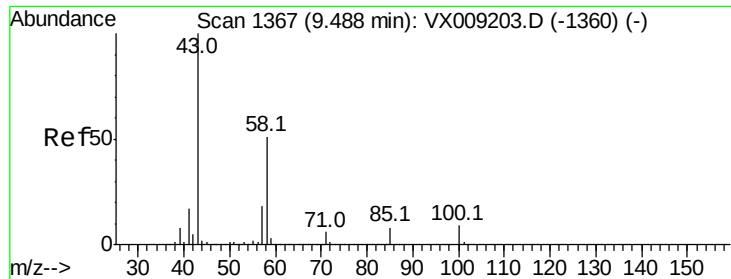
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#58
 2-Chloroethyl Vinyl ether
 Concen: 223.497 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Tgt Ion: 63 Resp: 426678
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5





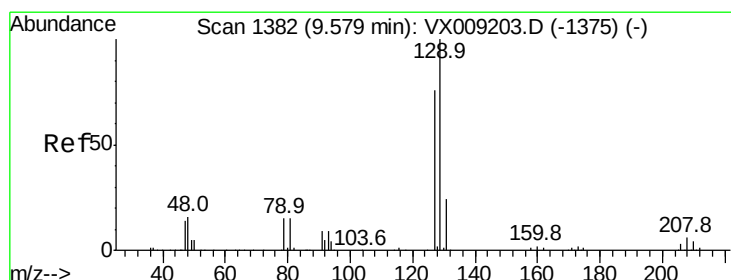
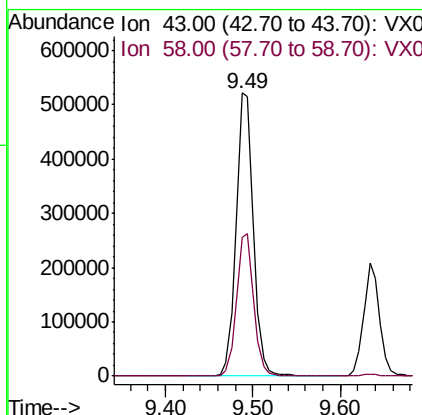
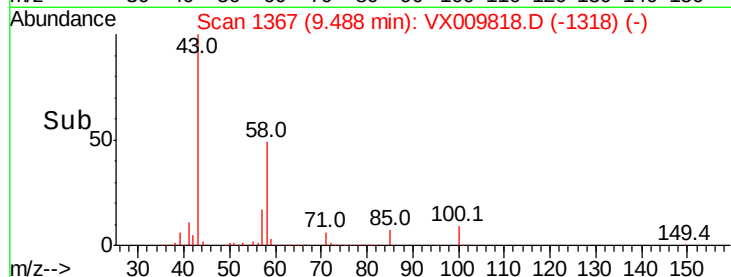
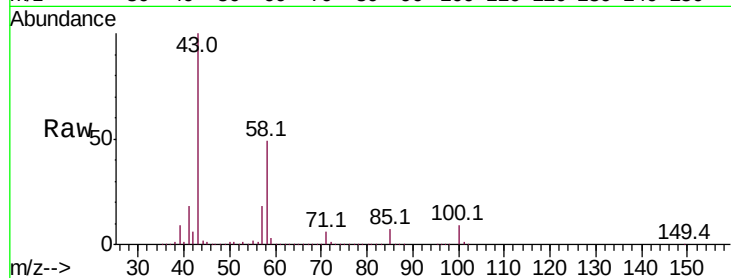
#59
2-Hexanone
Concen: 242.336 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 728256
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.7

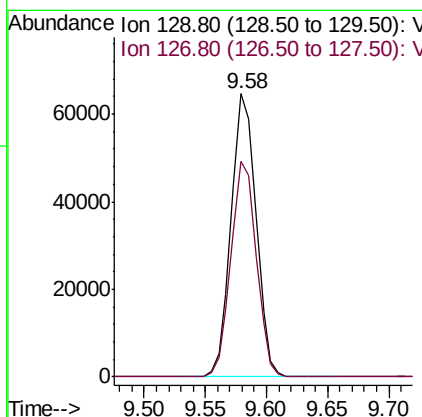
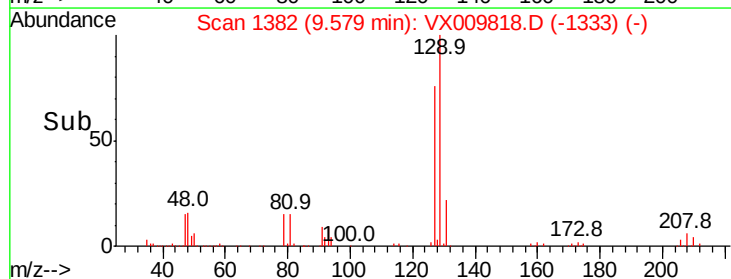
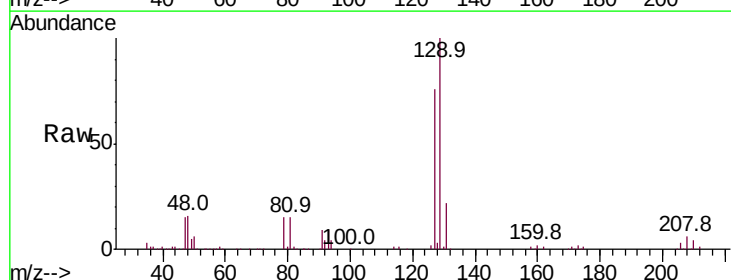
Manual Integrations
APPROVED

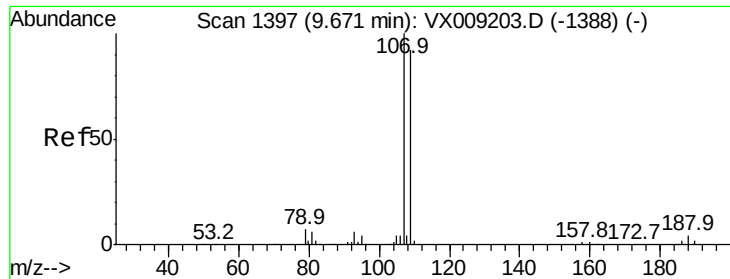
MMDadoda
5/23/2019 10:45:16 AM



#60
Dibromochloromethane
Concen: 46.342 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion: 129 Resp: 91247
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.1





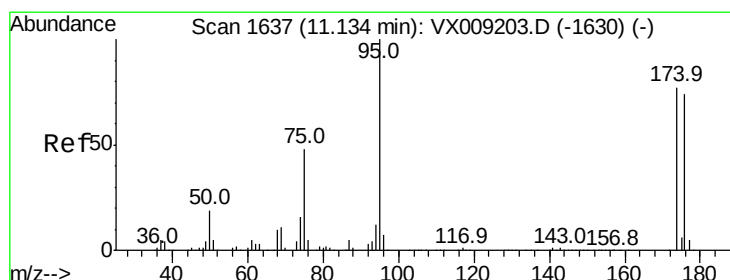
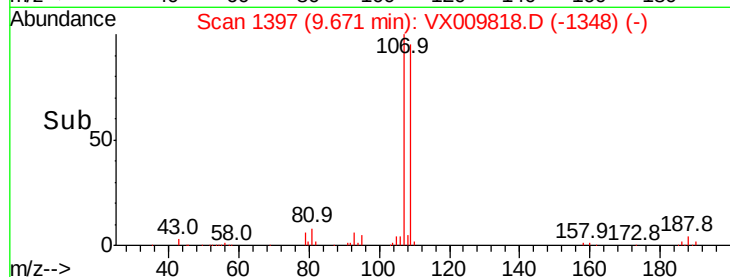
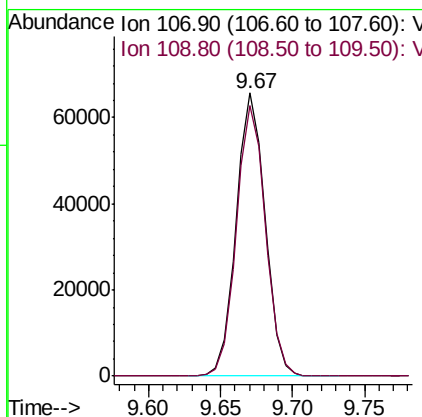
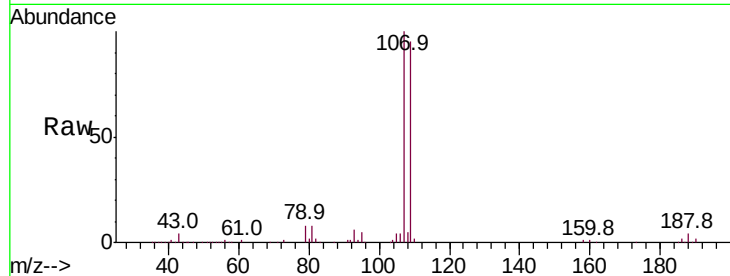
#61
 1,2-Dibromoethane
 Concen: 45.190 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.2	112.8

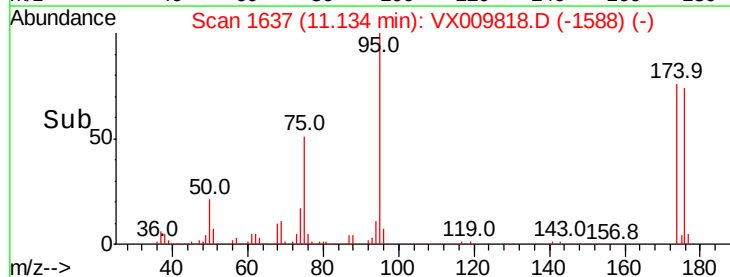
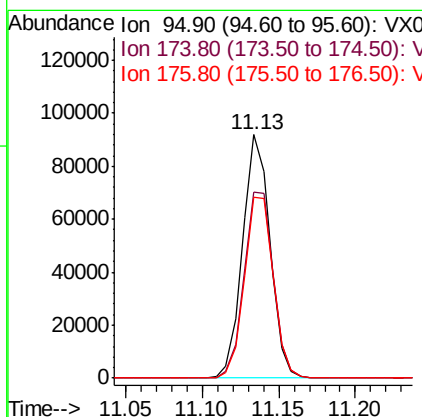
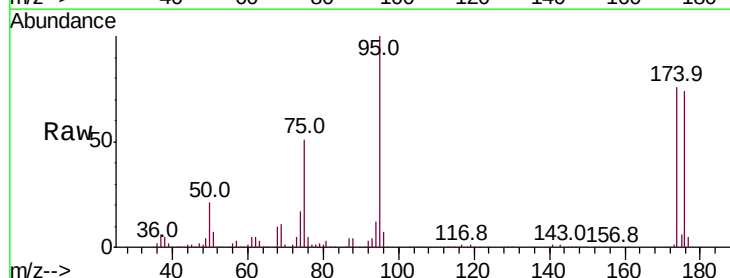
Manual Integrations
 APPROVED

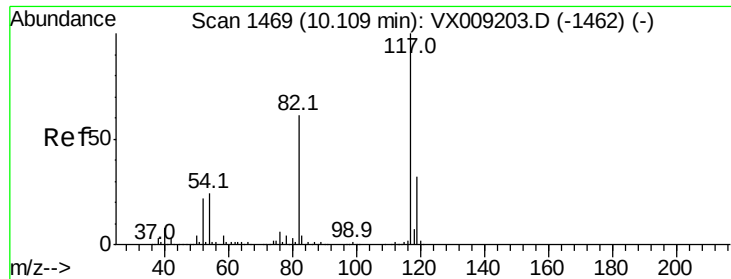
MMDadoda
 5/23/2019 10:45:16 AM



#62
 4-Bromofluorobenzene
 Concen: 43.778 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	161.6
176	78.5	0.0	159.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

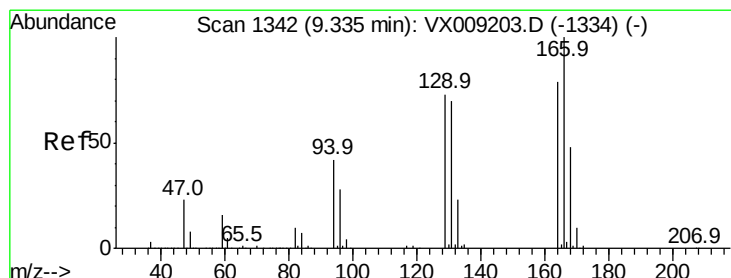
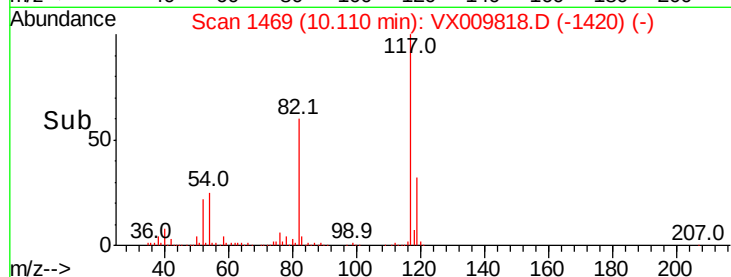
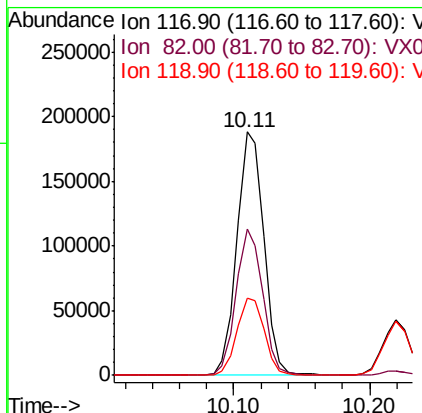
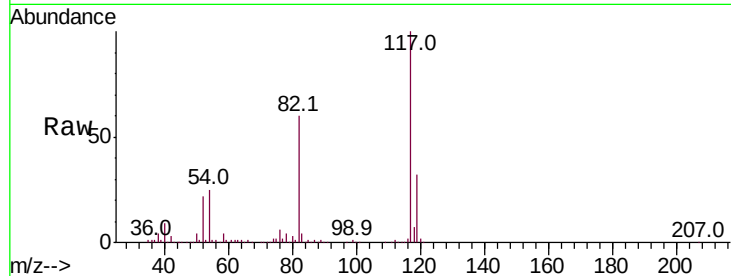
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	260207
Ion Ratio	Lower	Upper	
117	100		
82	60.0	48.8	73.2
119	31.6	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 43.287 ug/l

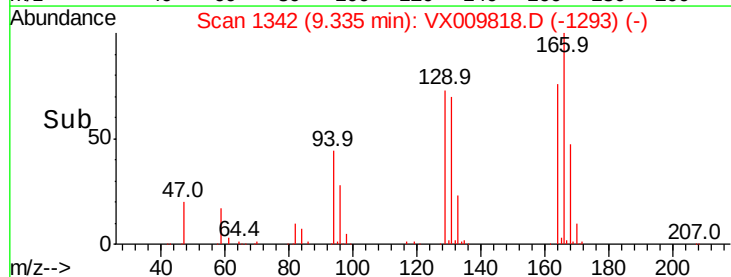
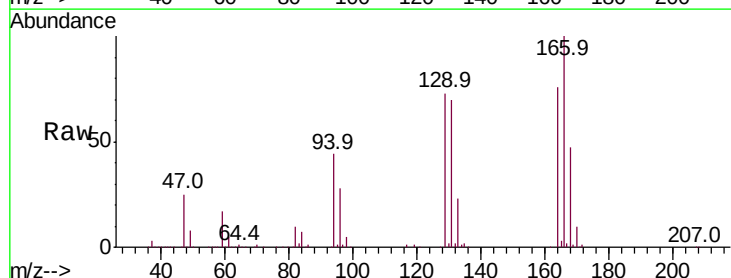
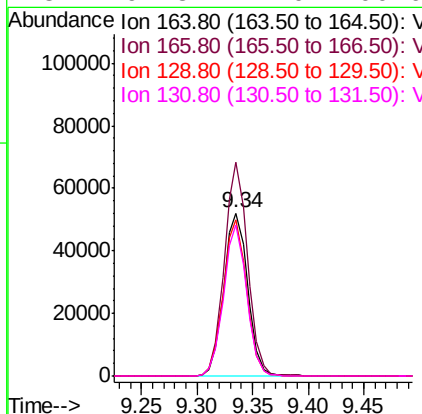
RT: 9.34 min Scan# 1342

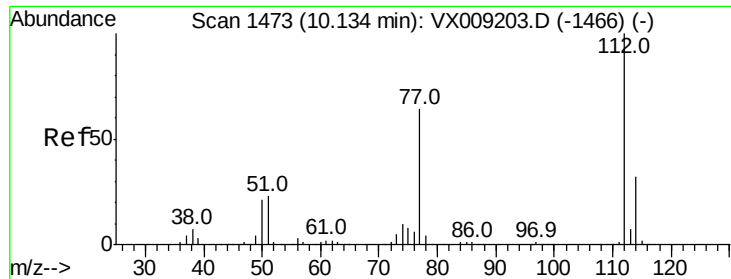
Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Tgt Ion:	164	Resp:	77264
Ion Ratio	Lower	Upper	
164	100		
166	131.0	101.2	151.8
129	95.6	74.3	111.5
131	92.3	71.0	106.6





#65

Chlorobenzene

Concen: 44.293 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 230561

Ion Ratio Lower Upper

112 100

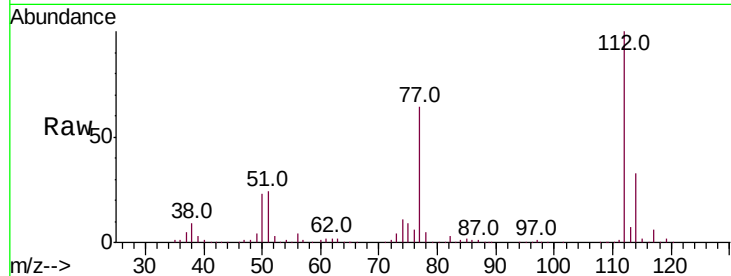
114 32.6 25.5 38.3

Manual Integrations

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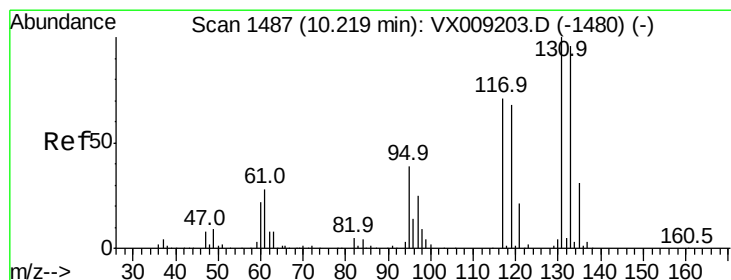
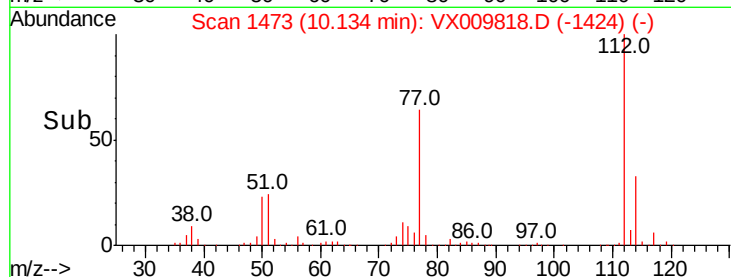
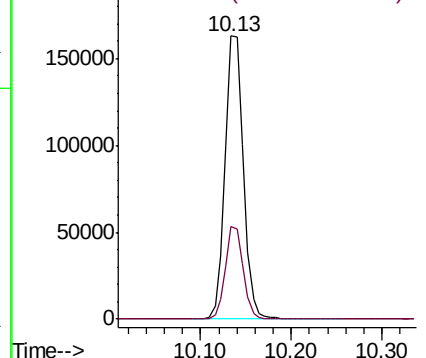
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 44.304 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

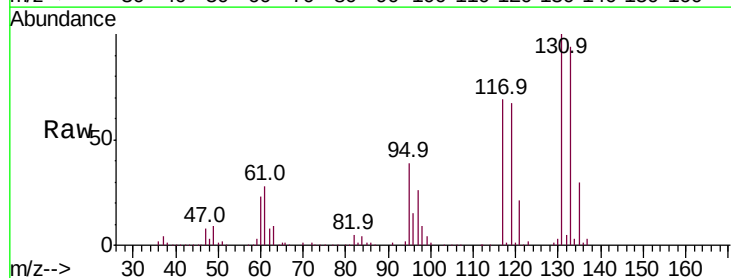
Tgt Ion:131 Resp: 83608

Ion Ratio Lower Upper

131 100

133 95.3 47.7 143.1

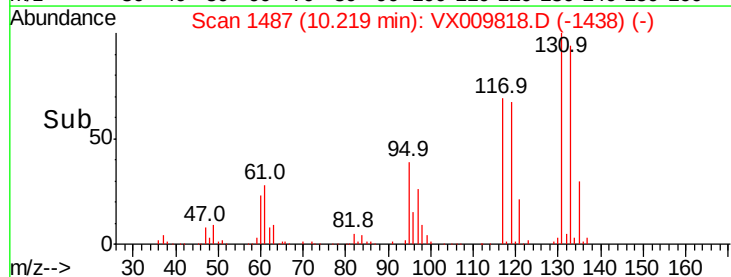
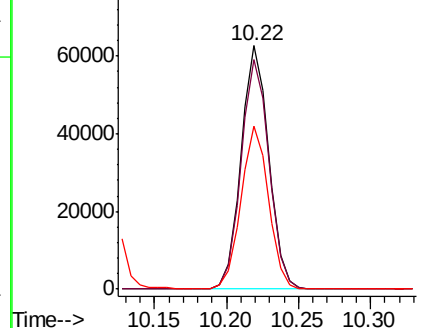
119 66.6 33.5 100.4

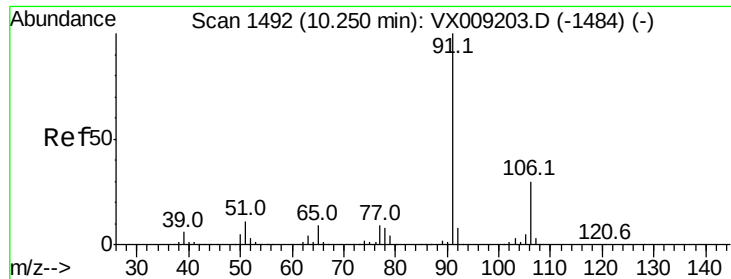


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 44.986 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 430959

Ion Ratio Lower Upper

91 100

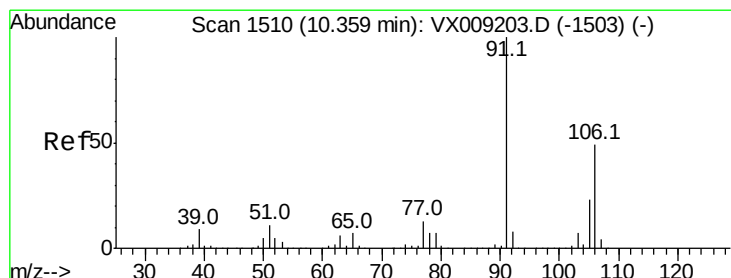
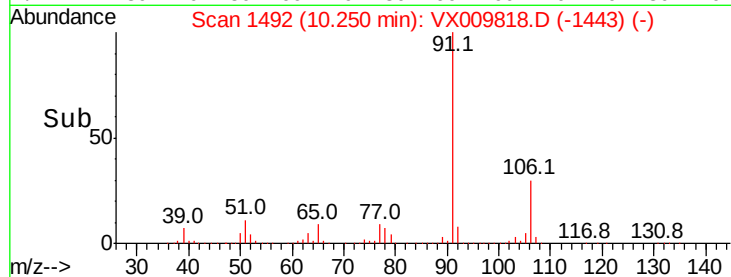
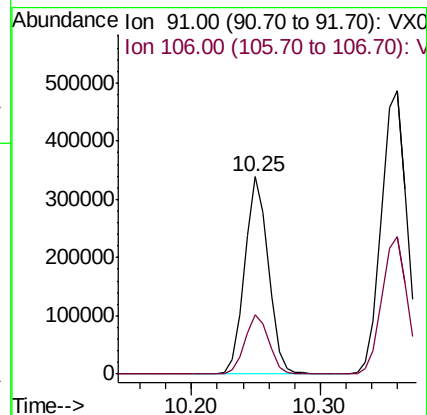
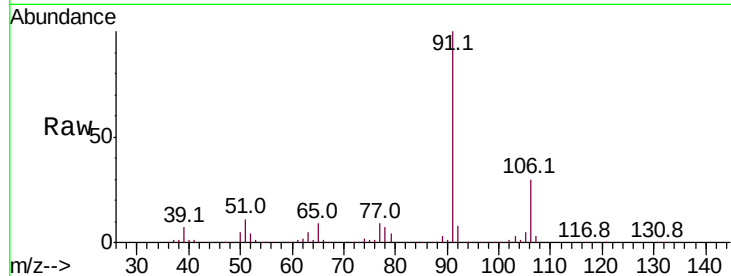
106 30.2 24.0 36.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 90.751 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009818.D

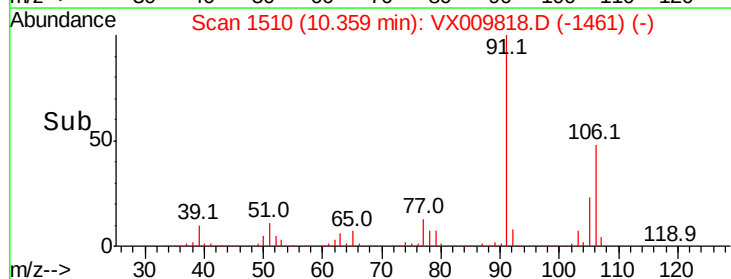
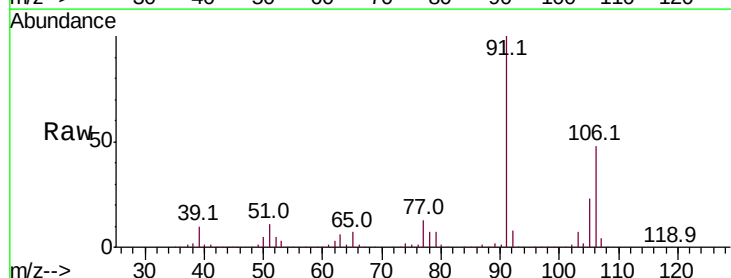
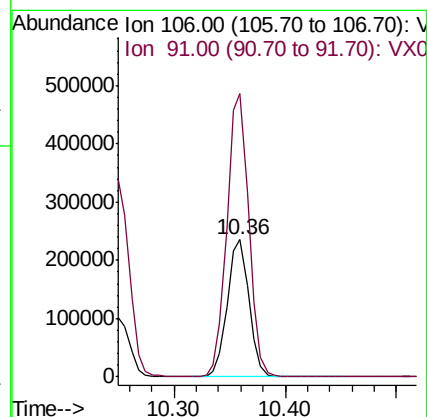
Acq: 22 May 2019 21:24

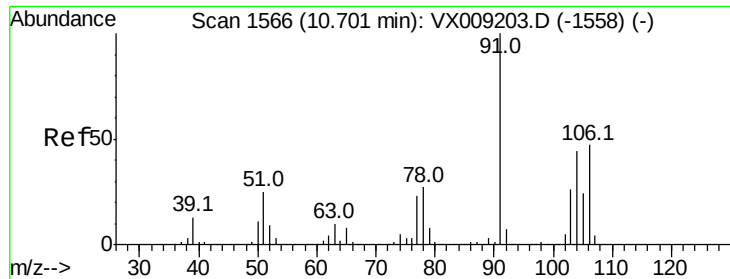
Tgt Ion: 106 Resp: 317696

Ion Ratio Lower Upper

106 100

91 208.2 164.0 246.0





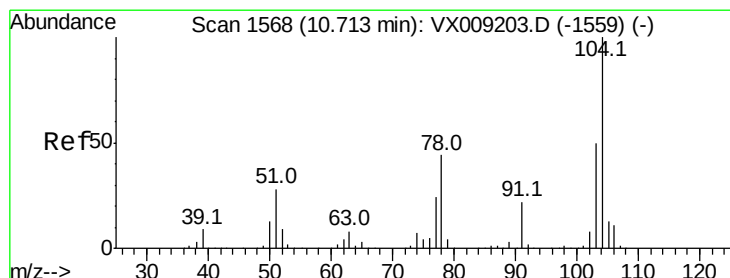
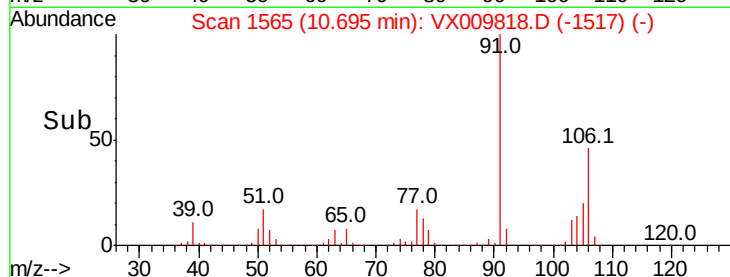
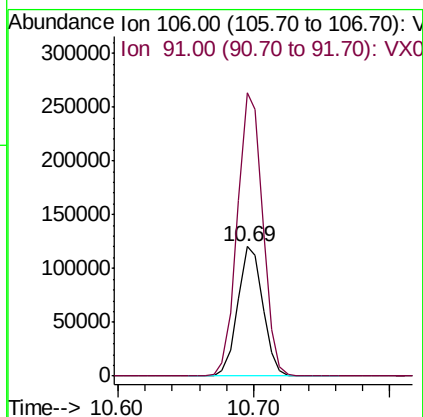
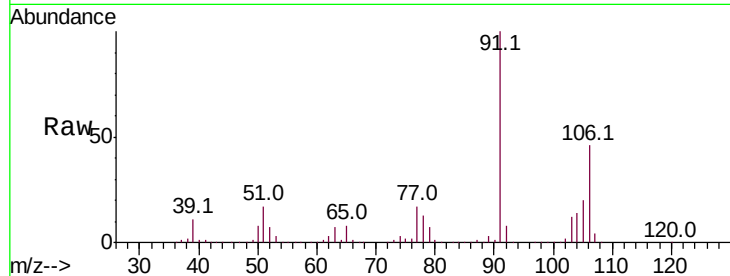
#69
o-Xylene
Concen: 44.716 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 154449
Ion Ratio Lower Upper
106 100
91 221.6 109.5 328.4

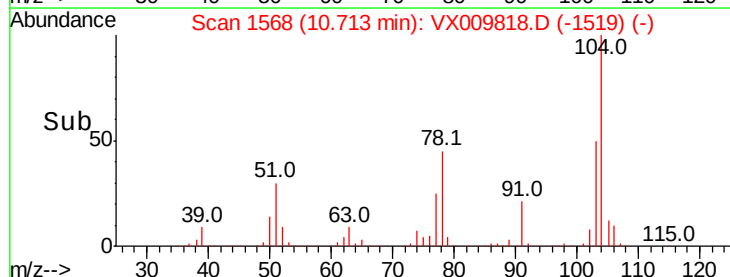
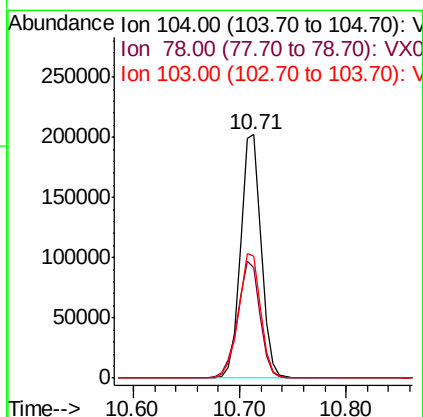
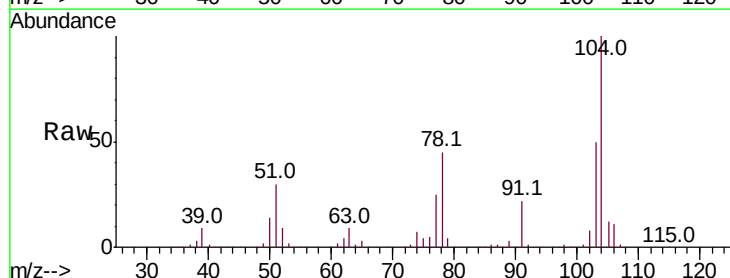
Manual Integrations
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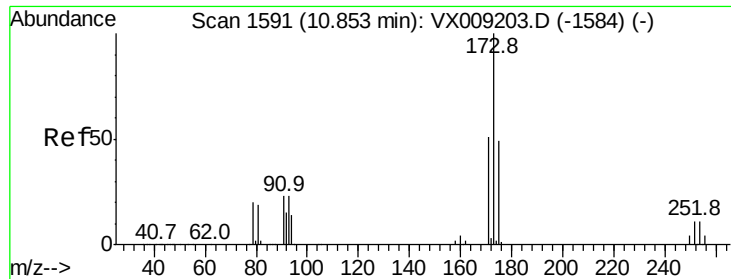
MMDadoda
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#70
Styrene
Concen: 45.739 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion:104 Resp: 274587
Ion Ratio Lower Upper
104 100
78 52.1 41.0 61.4
103 55.1 43.8 65.6





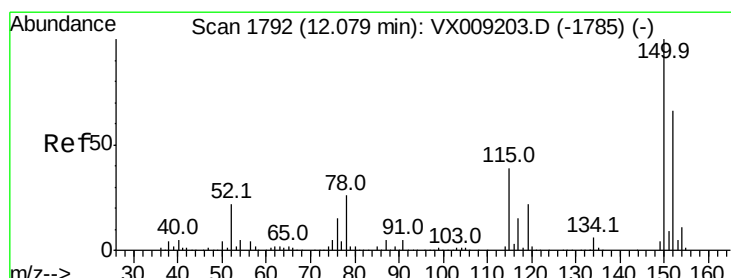
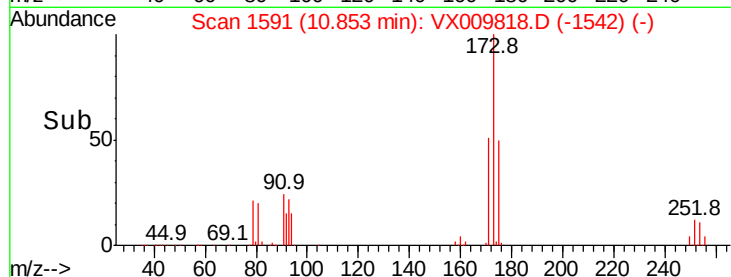
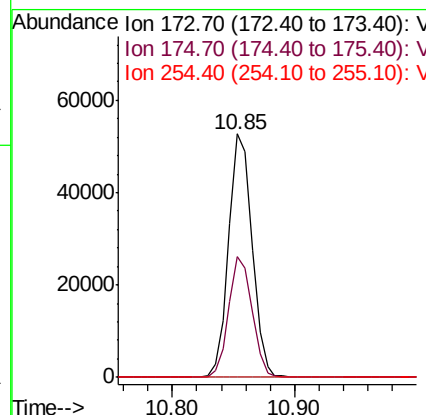
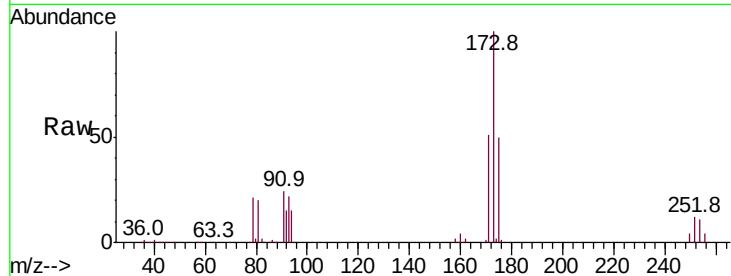
#71
Bromoform
Concen: 45.675 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.5	73.5
254	0.2	0.1	0.1#

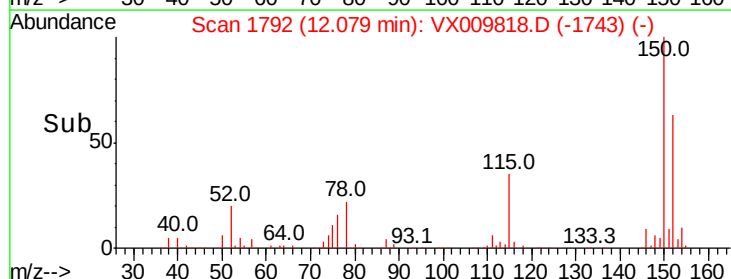
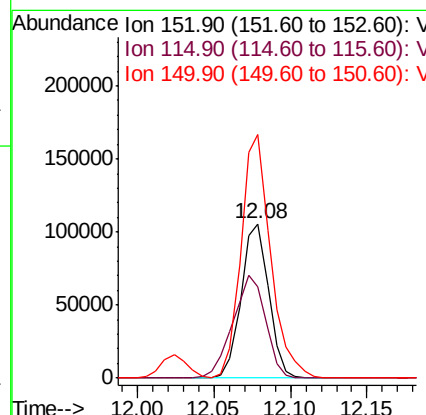
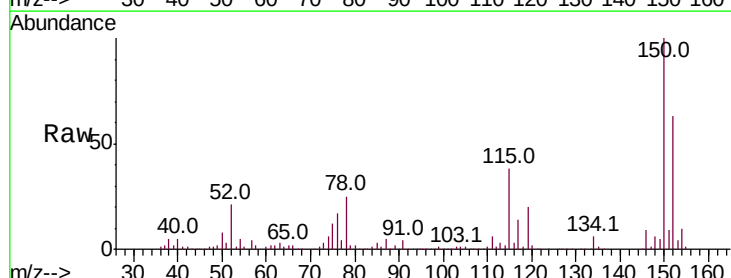
Manual Integrations
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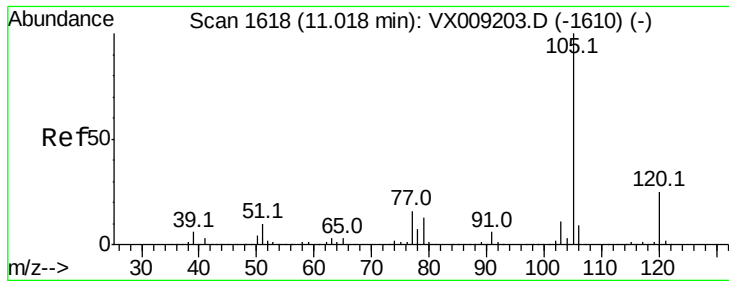
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.2	41.2	123.6
150	169.2	0.0	346.4





#73

Isopropylbenzene

Concen: 43.413 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 415195

Ion Ratio Lower Upper

105 100

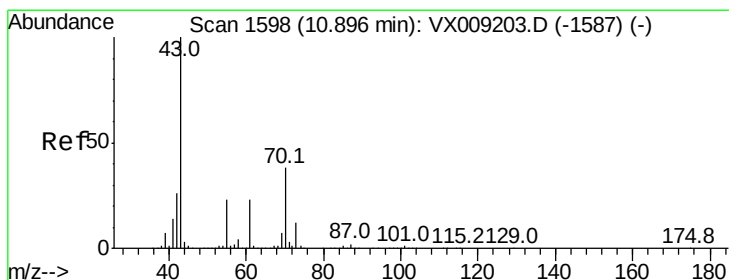
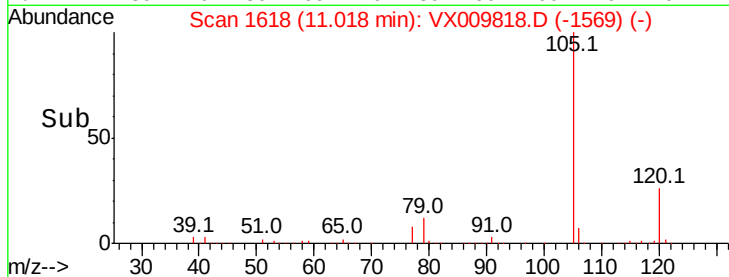
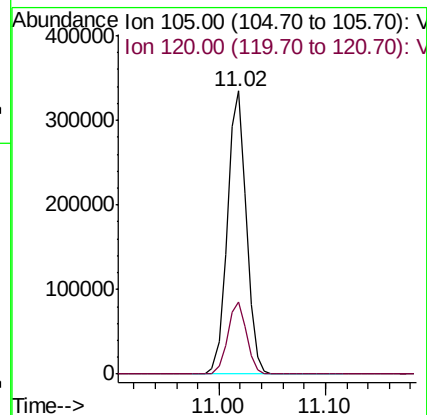
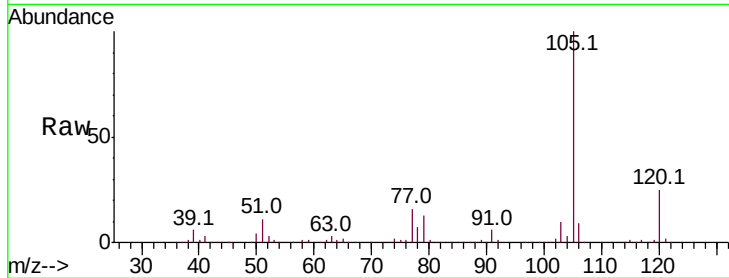
120 25.5 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.653 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Tgt Ion: 43 Resp: 260128

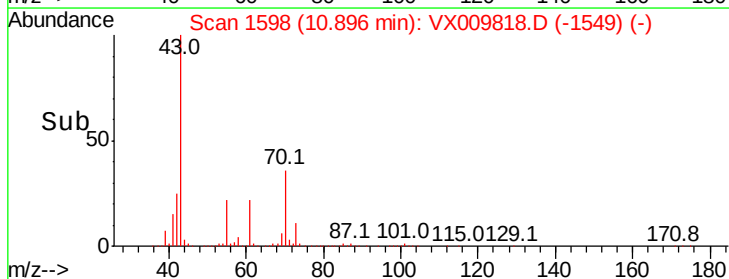
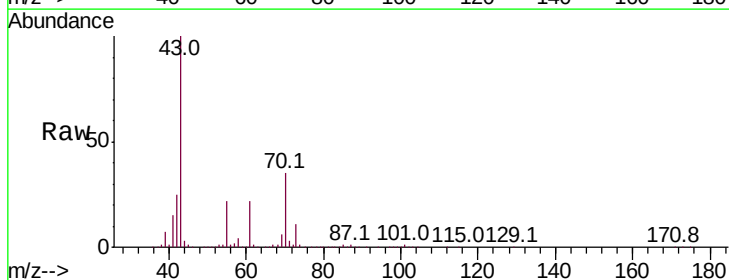
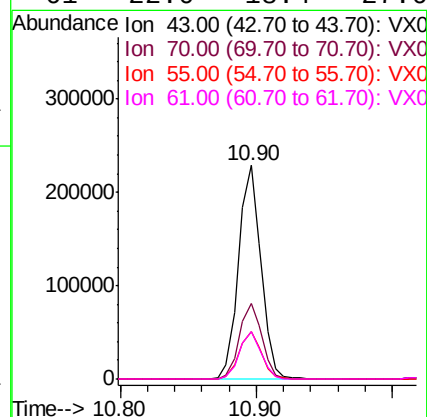
Ion Ratio Lower Upper

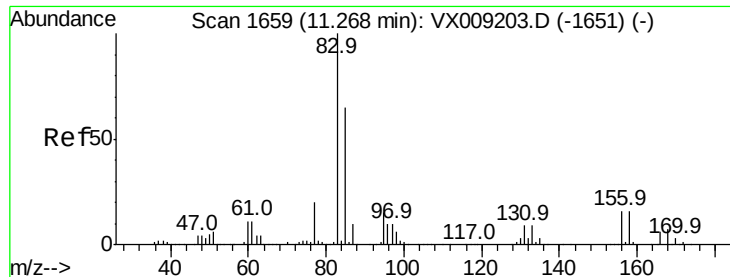
43 100

70 35.8 30.0 45.0

55 22.2 17.9 26.9

61 22.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.204 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

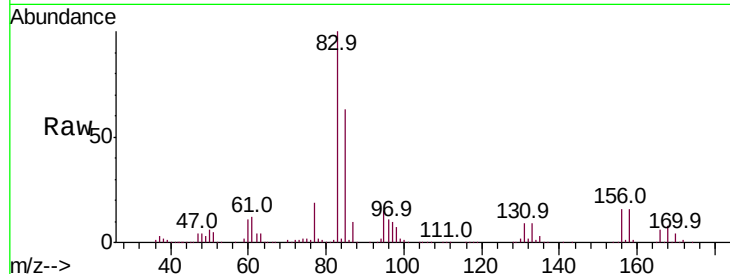
ClientSampleId :

VSTDCCC050

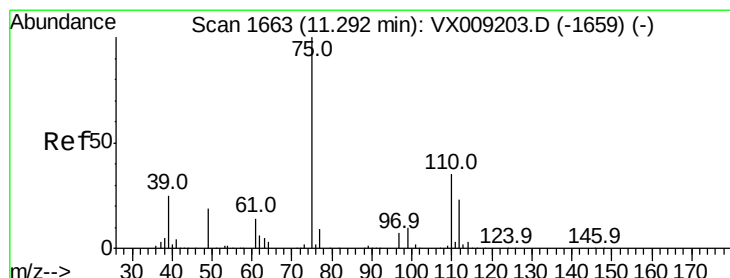
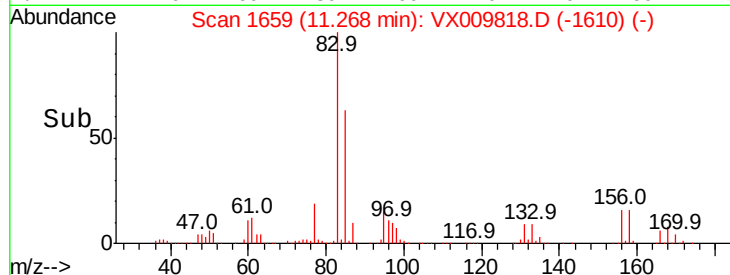
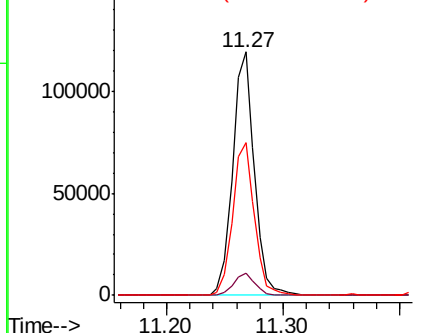
Tot Ion:	83	Resp:	154035
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.6	13.8
85	63.1	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 43.906 ug/l m

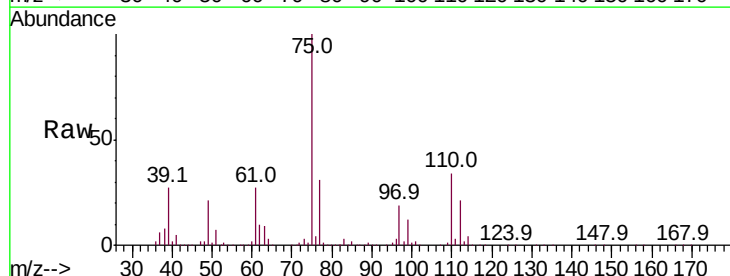
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

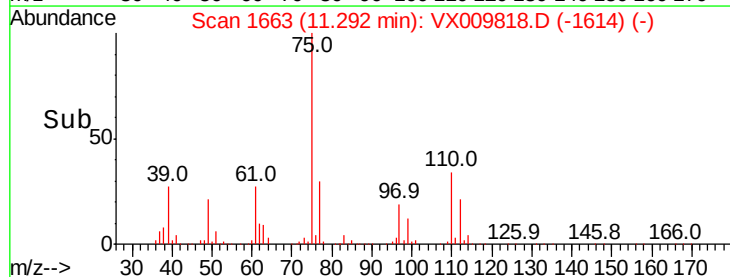
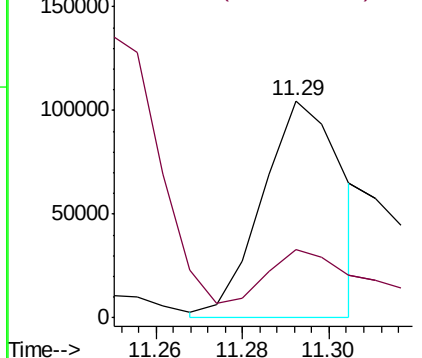
Lab File: VX009818.D

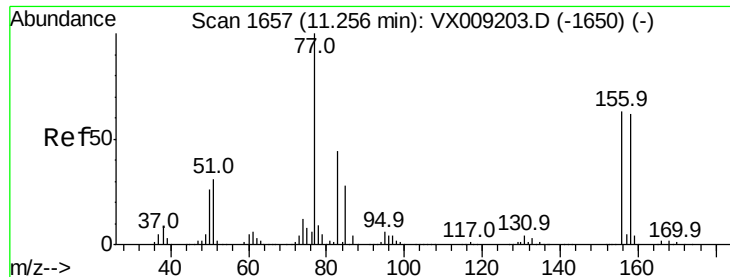
Acq: 22 May 2019 21:24

Tgt Ion:	75	Resp:	133948
Ion Ratio	Lower	Upper	
75	100		
77	43.2	22.1	66.1



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





#77

Bromobenzene

Concen: 43.435 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 103105

Ion Ratio Lower Upper

156 100

77 171.1 84.8 254.3

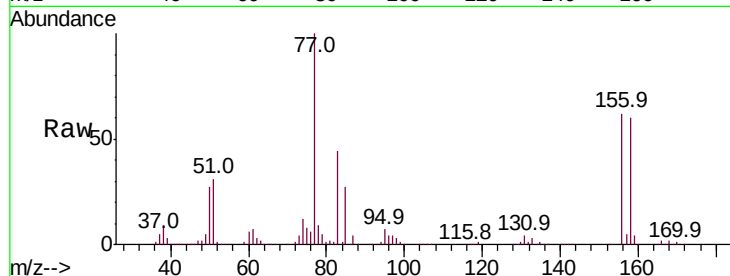
158 96.3 49.1 147.3

Manual Integrations

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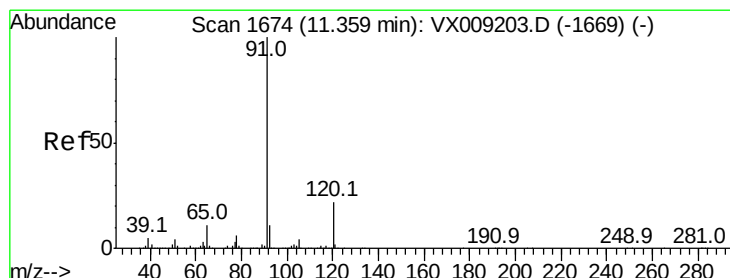
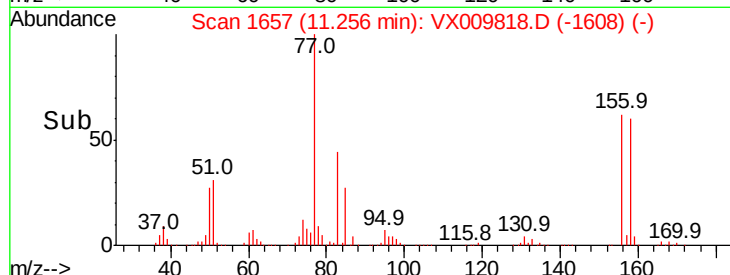
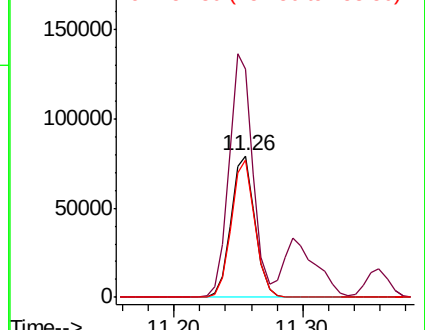
5/23/2019 10:45:16 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.171 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009818.D

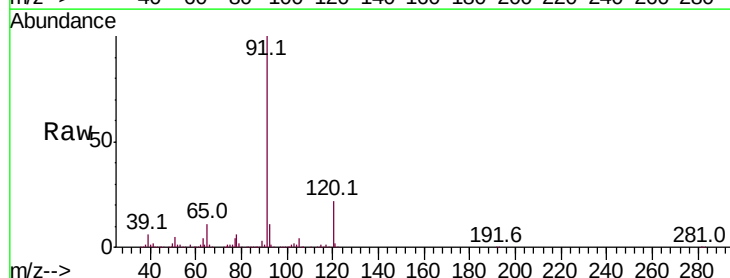
Acq: 22 May 2019 21:24

Tgt Ion: 91 Resp: 482458

Ion Ratio Lower Upper

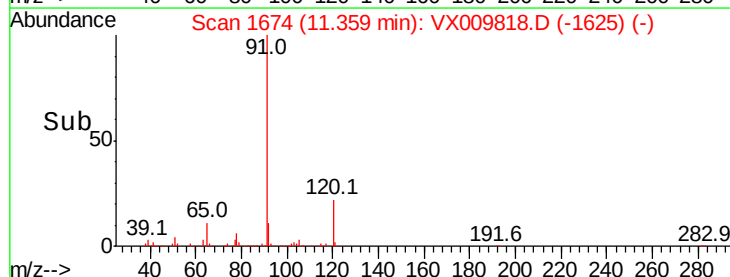
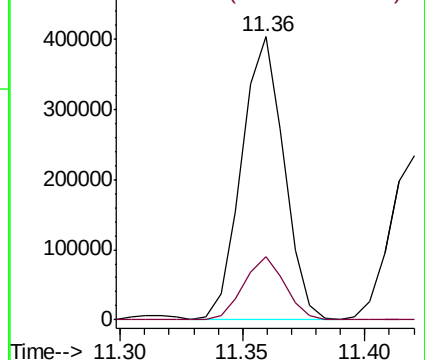
91 100

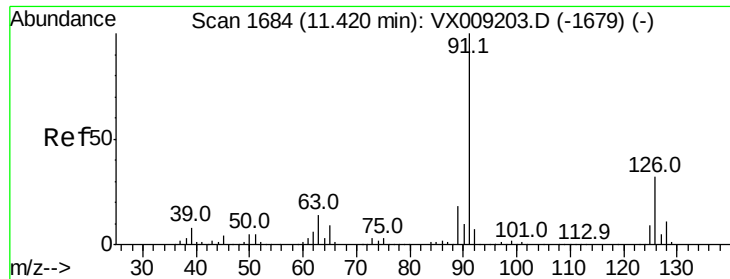
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 42.602 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 287076

Ion Ratio Lower Upper

91 100

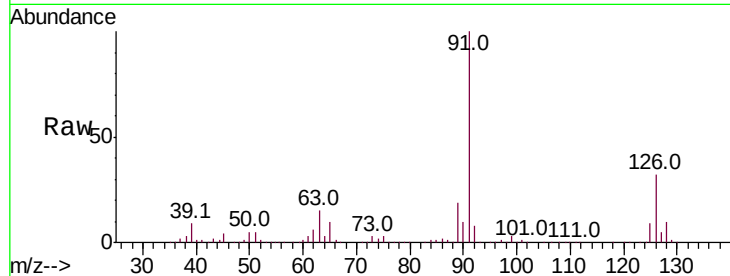
126 32.4 16.3 48.9

Manual Integrations

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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

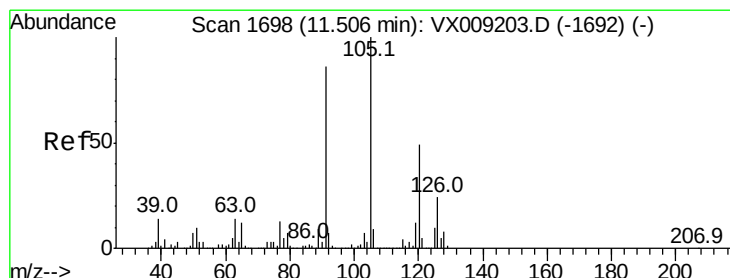
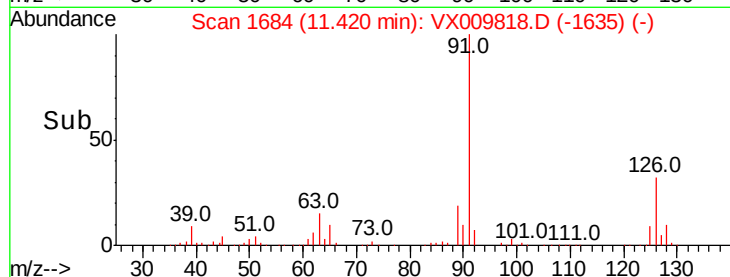
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.342 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009818.D

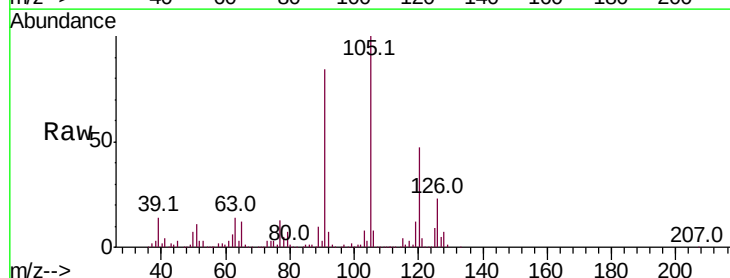
Acq: 22 May 2019 21:24

Tgt Ion:105 Resp: 357079

Ion Ratio Lower Upper

105 100

120 47.7 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

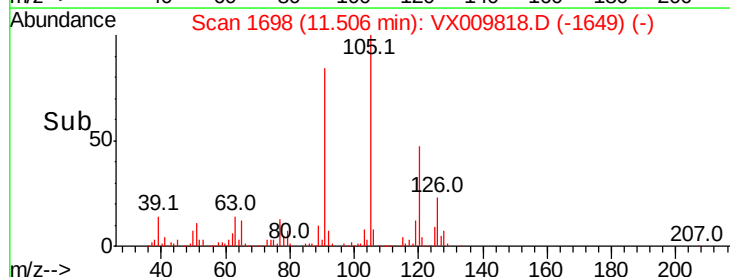
200000

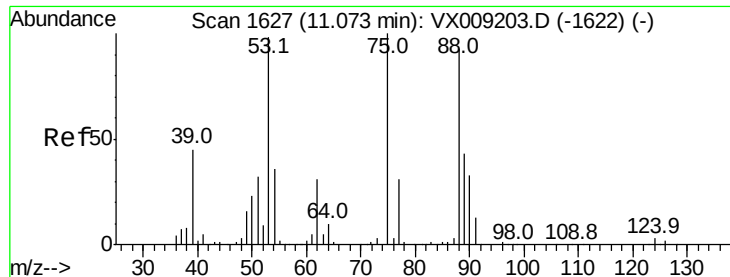
100000

0

11.45 11.50 11.55

Time-->





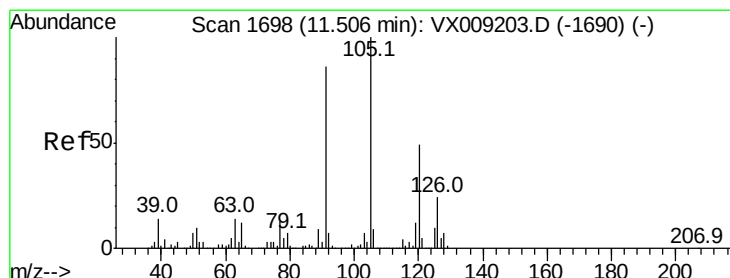
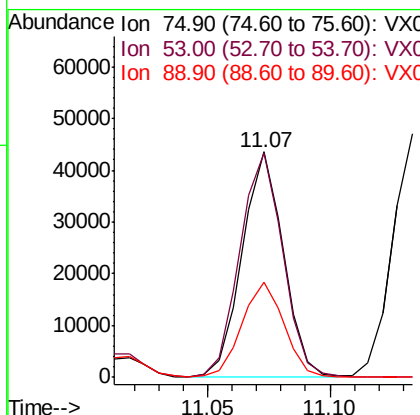
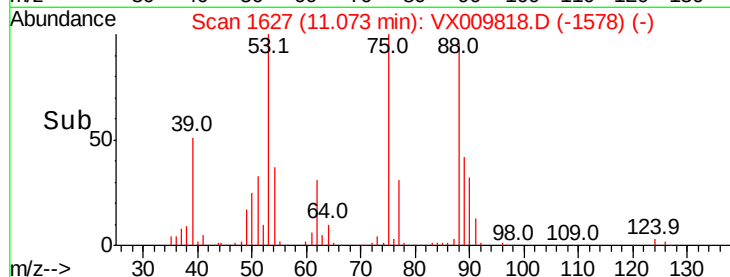
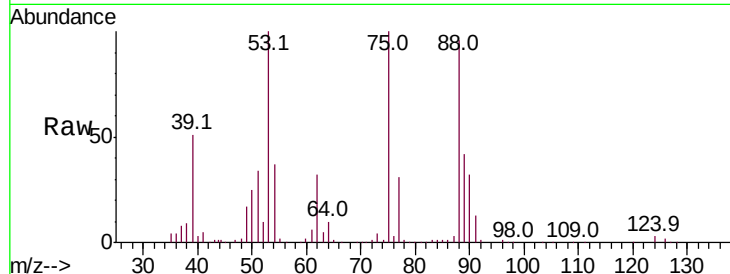
#81
trans-1,4-Dichloro-2-butene
Concen: 42.896 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.1	79.0	118.6
89	43.2	34.7	52.1

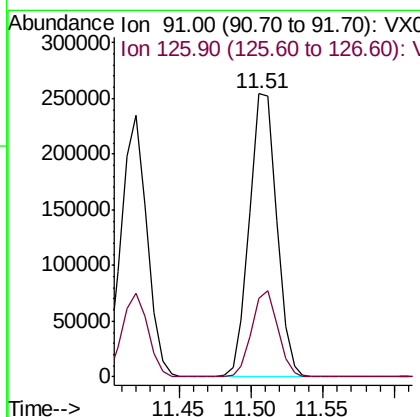
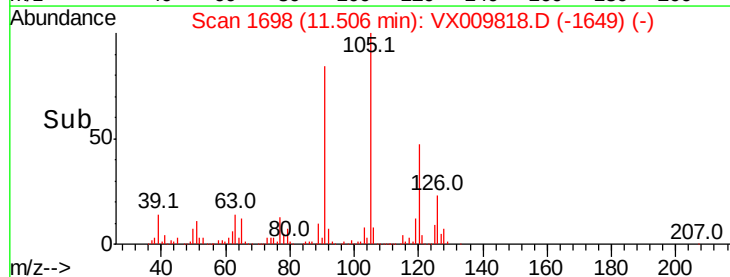
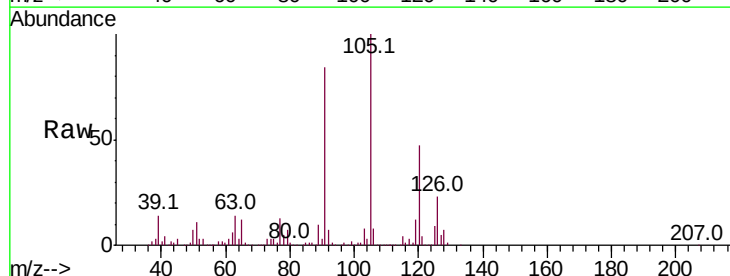
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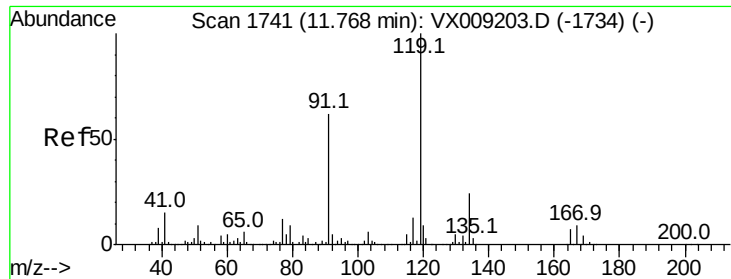
MMDadoda
5/23/2019 10:45:16 AM



#82
4-Chlorotoluene
Concen: 43.829 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.5	43.6





#83

tert-Butylbenzene

Concen: 43.270 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

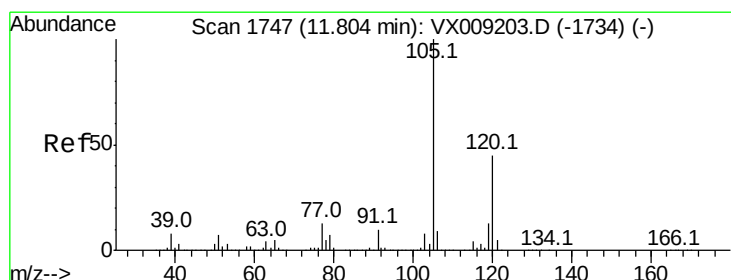
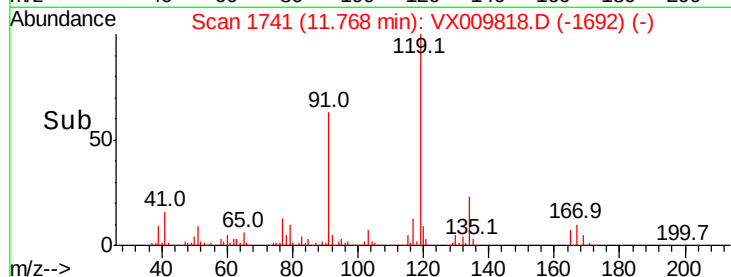
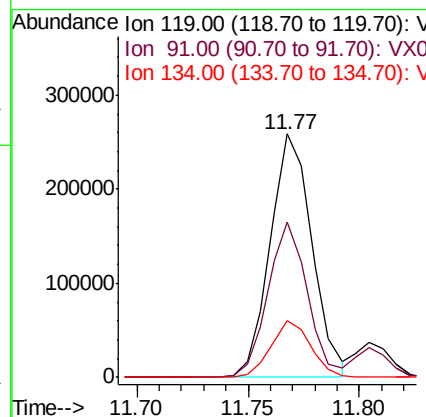
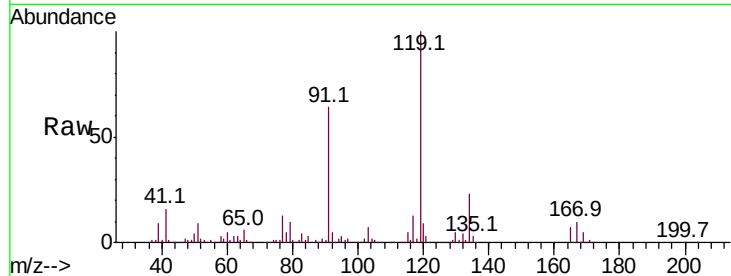
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	338965
Ion Ratio	Lower	Upper	
119	100		
91	60.0	29.5	88.5
134	22.3	11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 43.827 ug/l

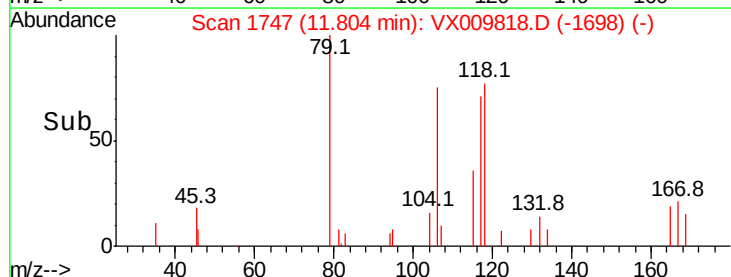
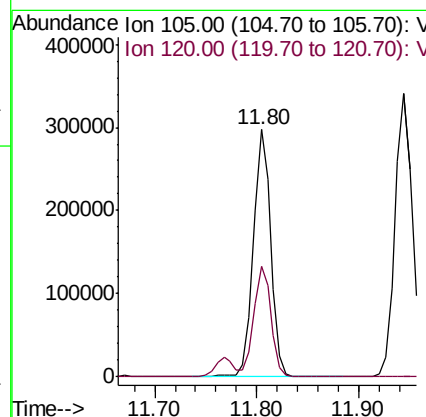
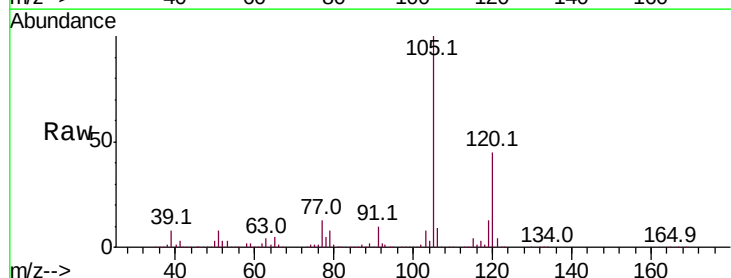
RT: 11.80 min Scan# 1747

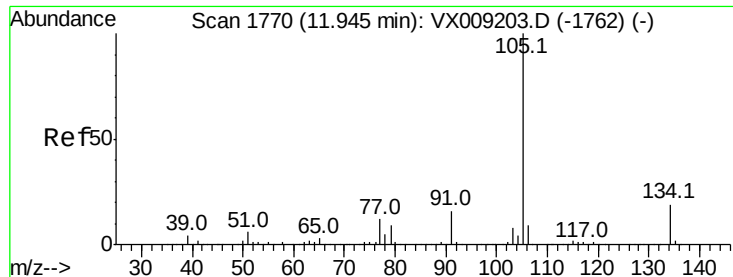
Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Tgt Ion:	105	Resp:	354255
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.0	66.0





#85

sec-Butylbenzene

Concen: 43.674 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 405619

Ion Ratio Lower Upper

105 100

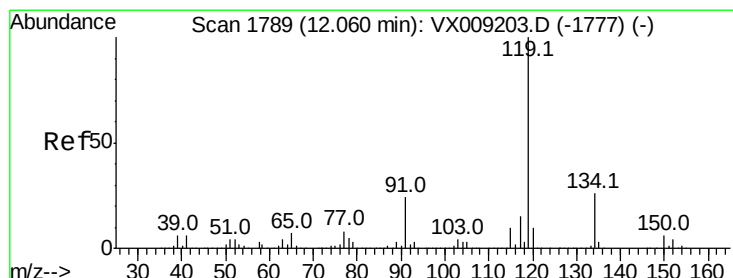
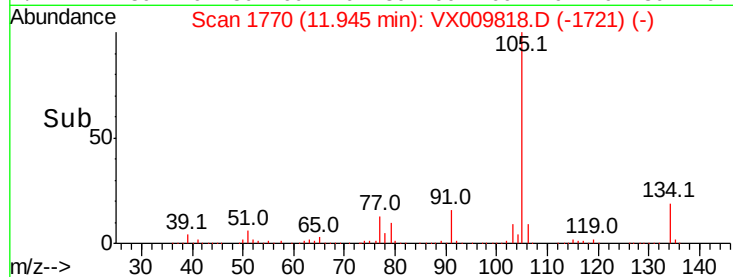
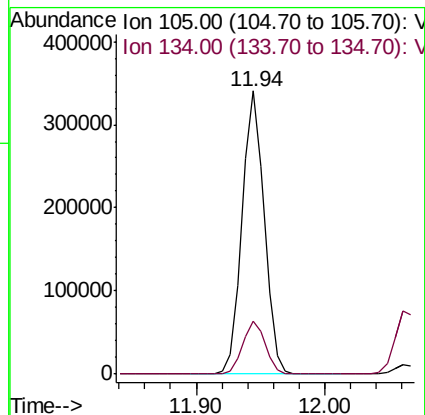
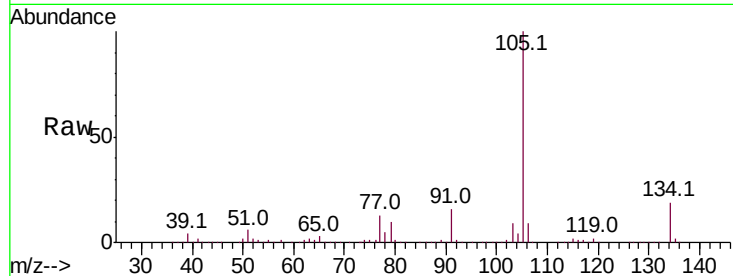
134 19.2 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 44.236 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

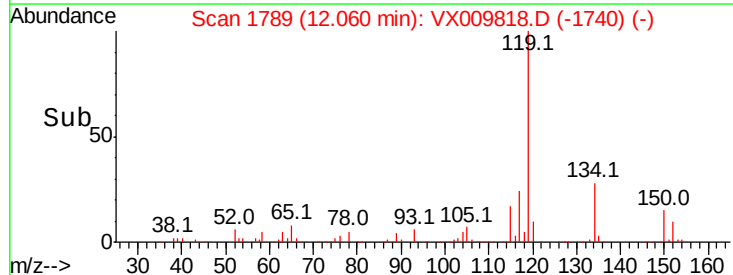
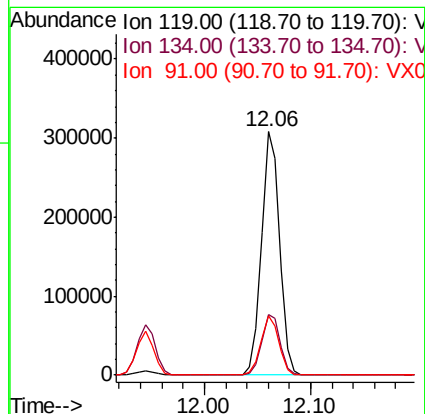
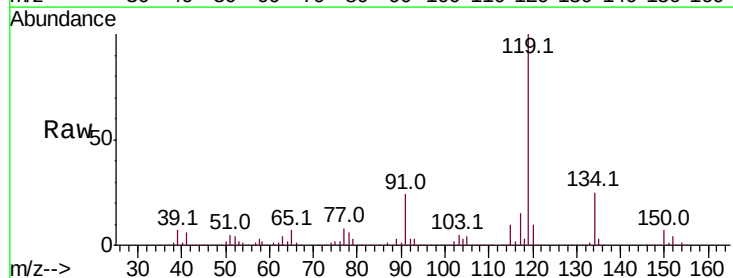
Tgt Ion:119 Resp: 369345

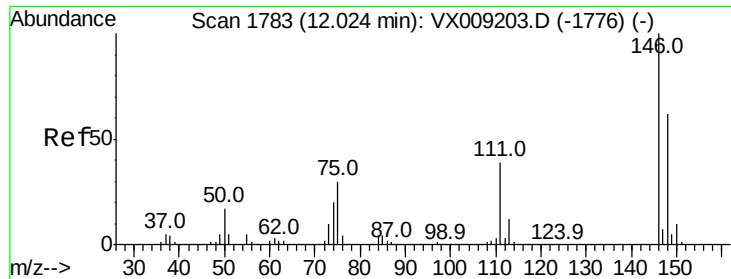
Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 24.0 11.8 35.4





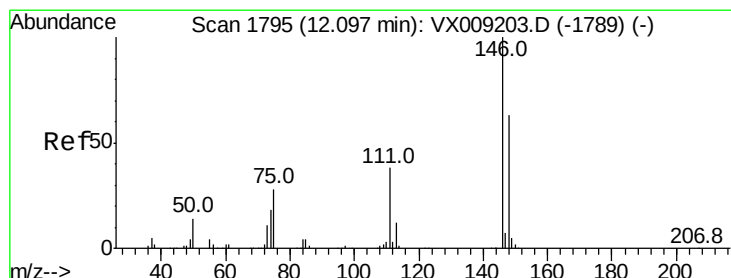
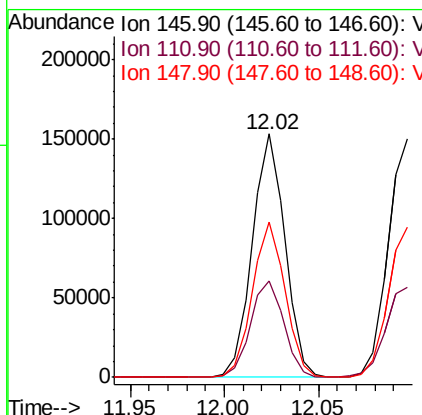
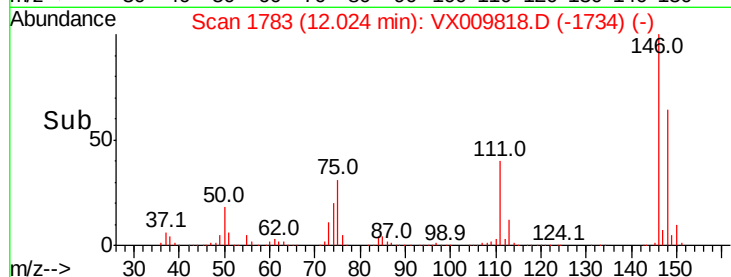
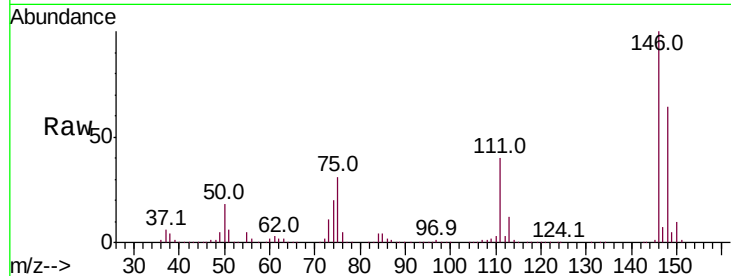
#87
 1,3-Dichlorobenzene
 Concen: 43.553 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.7	31.8	95.3

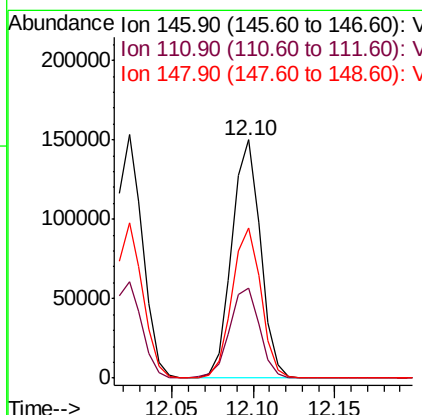
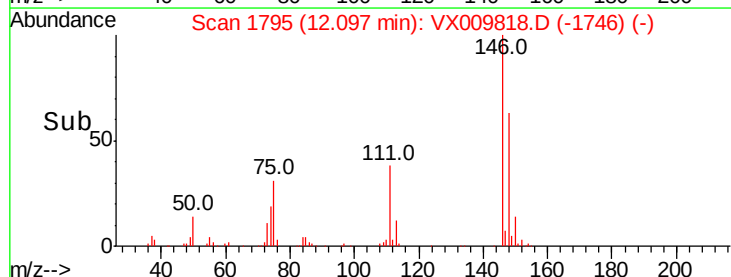
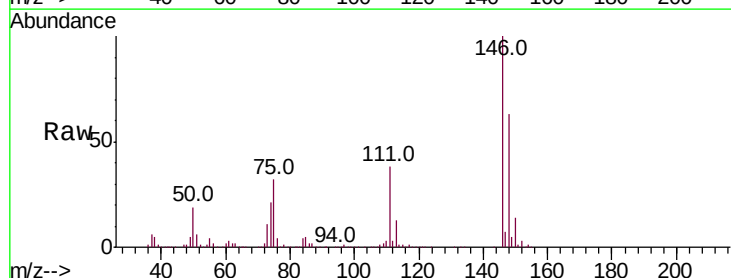
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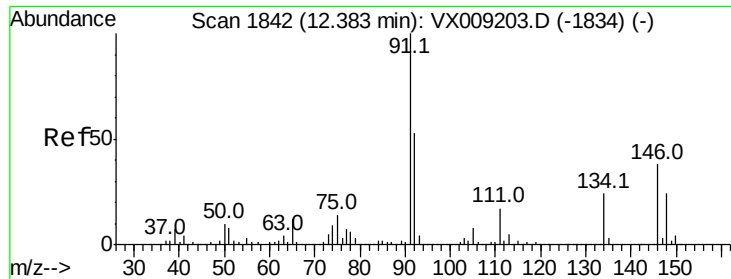
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#88
 1,4-Dichlorobenzene
 Concen: 42.827 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.8
148	64.3	31.8	95.3





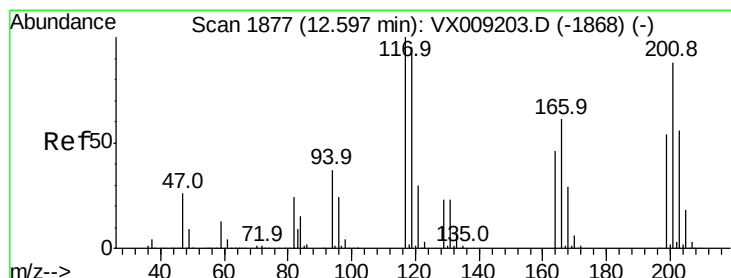
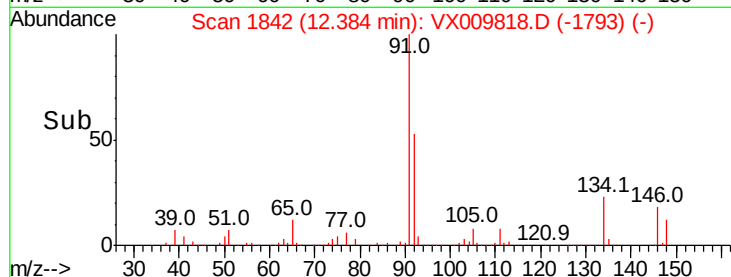
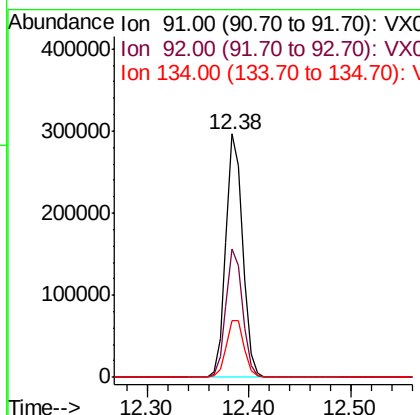
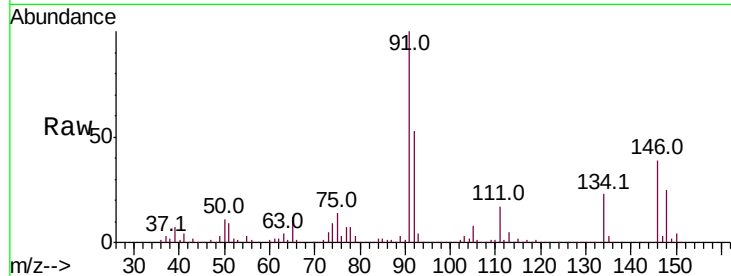
#89
n-Butylbenzene
Concen: 44.828 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.5
134	24.5	12.4	37.2

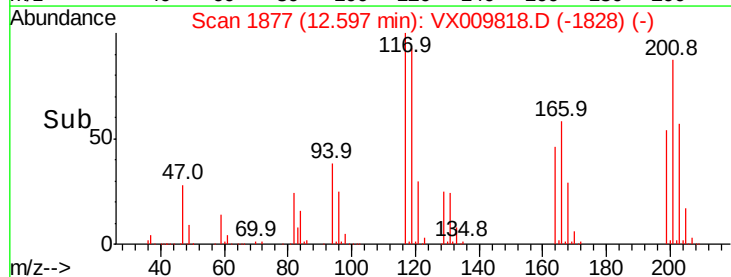
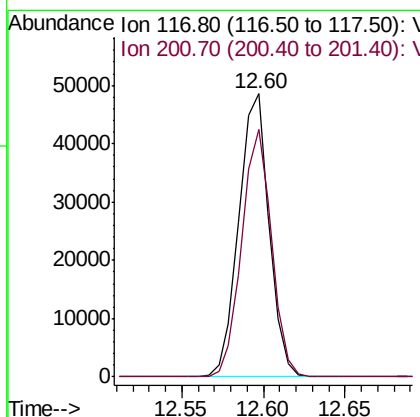
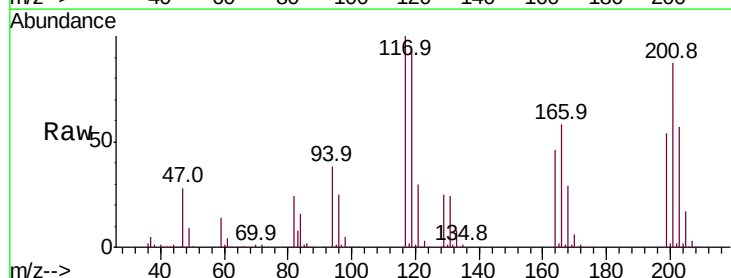
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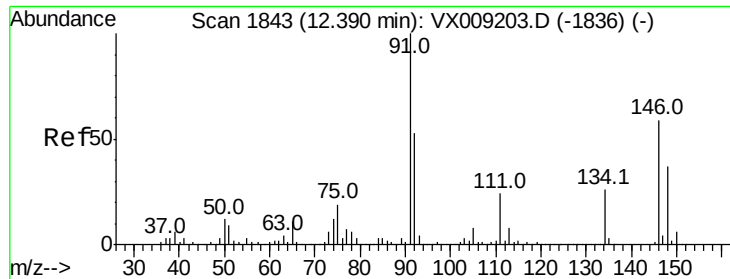
MMDadoda
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#90
Hexachloroethane
Concen: 44.247 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009818.D
Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	42.3	126.9





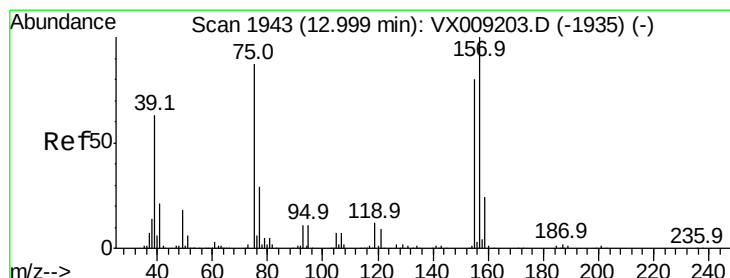
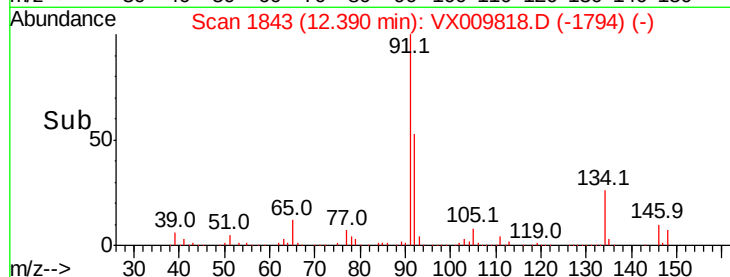
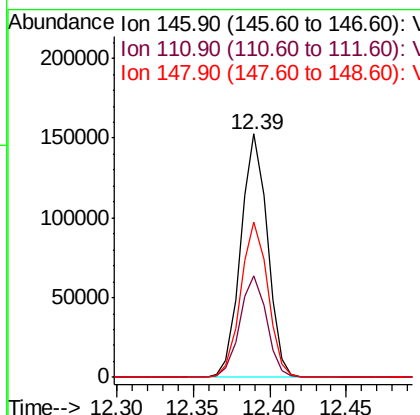
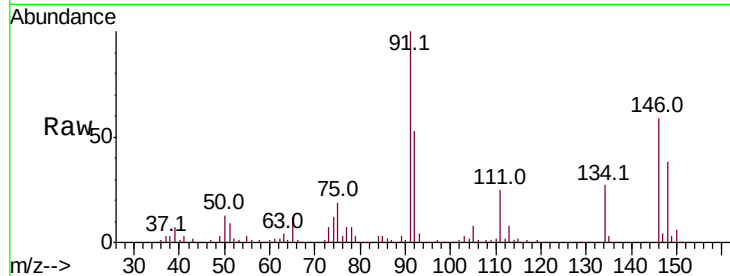
#91
 1,2-Dichlorobenzene
 Concen: 42.840 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.4
148	64.5	31.9	95.9

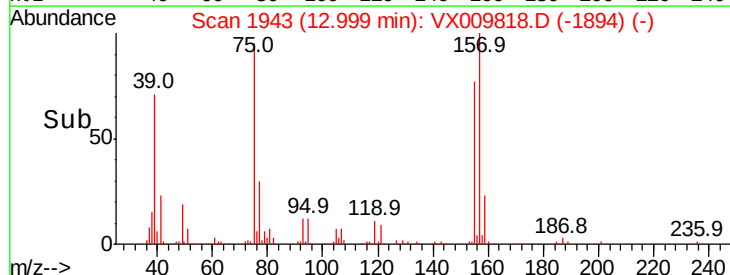
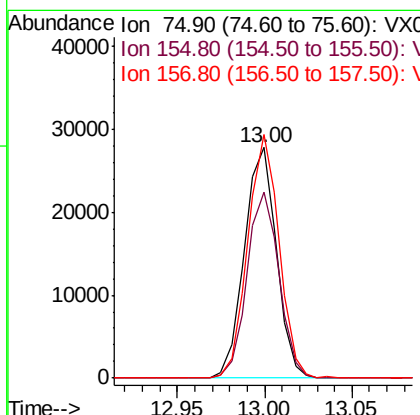
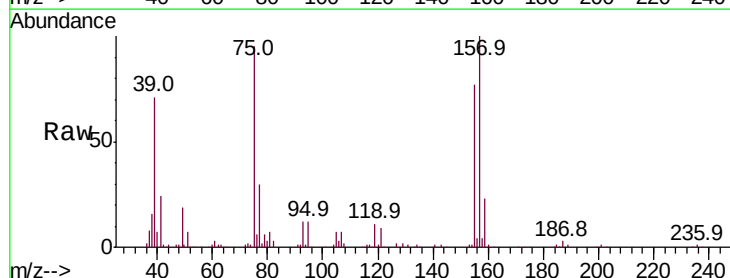
Manual Integrations
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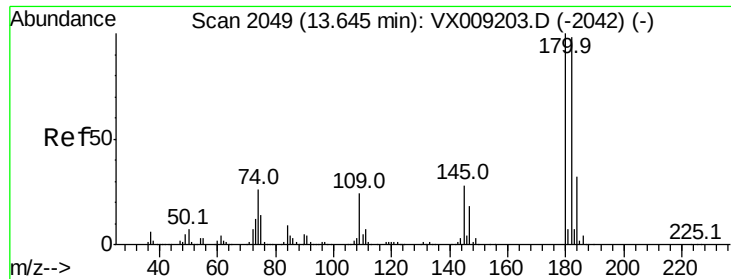
MMDadoda
 5/23/2019 10:45:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.373 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	42.0	126.0
157	103.1	53.2	159.6





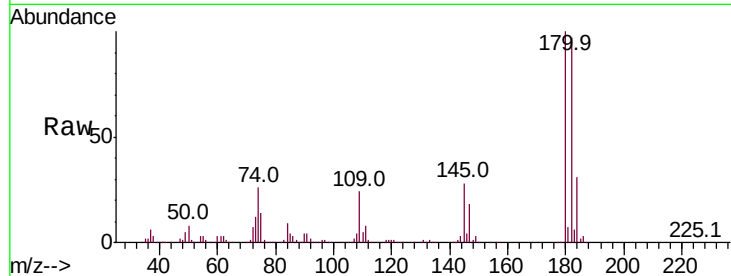
#93
 1,2,4-Trichlorobenzene
 Concen: 43.957 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

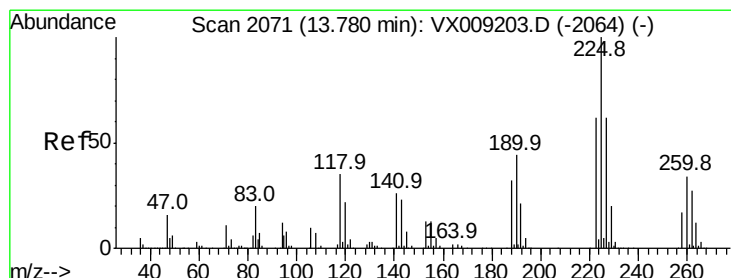
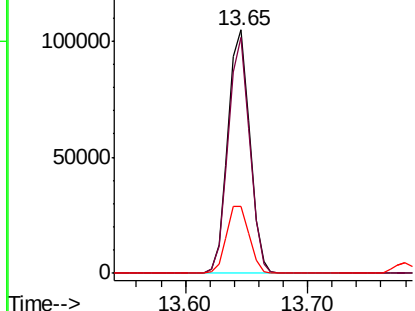
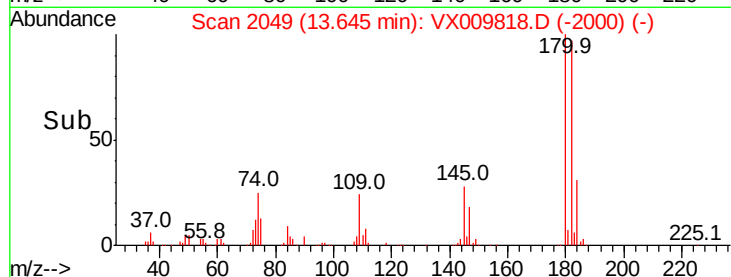
Tot Ion	Ratio	Resp	Lower	Upper
180	100	129563		
182	94.7	48.4	145.2	
145	28.8	14.6	43.8	

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:45:16 AM

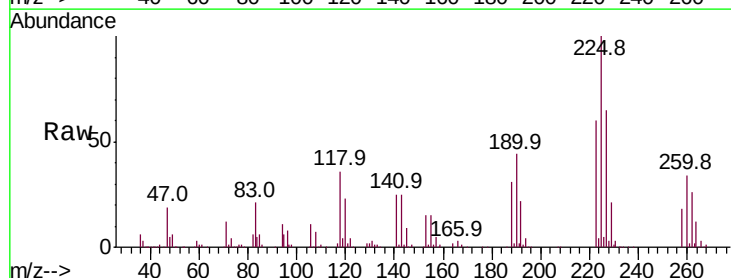


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

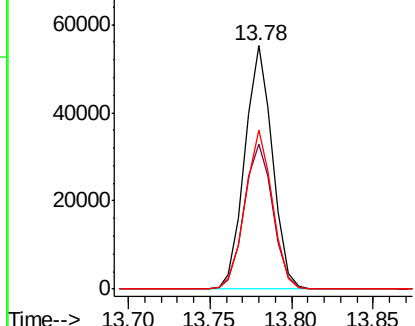
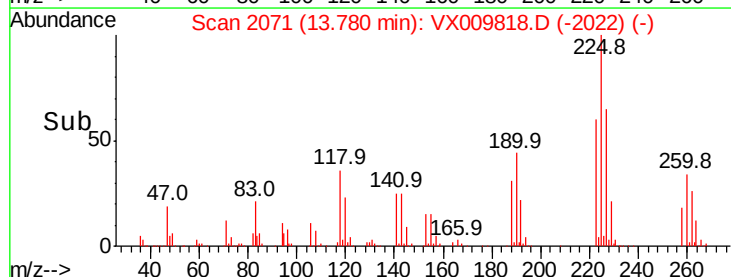


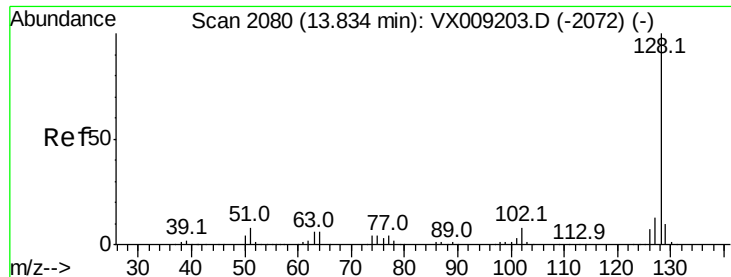
#94
 Hexachlorobutadiene
 Concen: 43.324 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009818.D
 Acq: 22 May 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65210		
223	61.7	31.3	93.8	
227	64.4	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: 43.933 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Instrument :

MSVOA_X

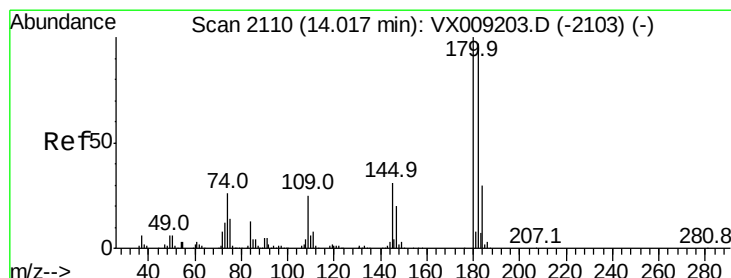
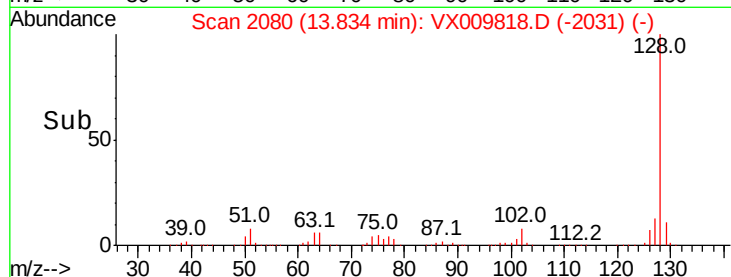
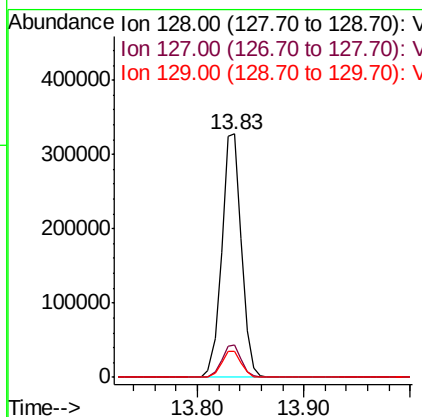
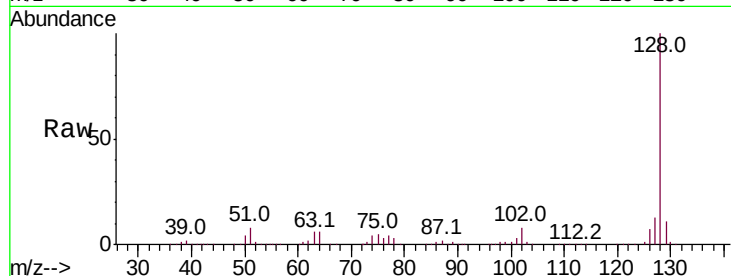
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	421289
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:45:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 43.620 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009818.D

Acq: 22 May 2019 21:24

Tgt Ion:	180	Resp:	130324
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.8	143.4
145	30.6	15.4	46.4

