

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051719\
 Data File : VX009713.D
 Acq On : 18 May 2019 12:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 10:46:49 AM

Quant Time: May 20 04:55:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	127403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	215709	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	197115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	94215	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
35) Dibromofluoromethane	5.49	113	69368	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	8.71	98	266745	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.13	95	100902	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	51336	43.726	ug/l	96
3) Chloromethane	1.32	50	81961	51.134	ug/l	100
4) Vinyl Chloride	1.41	62	79381	50.788	ug/l	98
5) Bromomethane	1.64	94	44412	47.341	ug/l	99
6) Chloroethane	1.71	64	53872	53.684	ug/l	97
7) Trichlorofluoromethane	1.92	101	100340	52.813	ug/l	98
8) Diethyl Ether	2.19	74	50409	56.013	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	58629	49.141	ug/l	99
10) Methyl Iodide	2.51	142	65443	47.466	ug/l	98
11) Tert butyl alcohol	3.06	59	120291	298.798	ug/l	100
12) 1,1-Dichloroethene	2.37	96	62932	52.645	ug/l	100
13) Acrolein	2.29	56	90624	248.563	ug/l	99
14) Allyl chloride	2.73	41	146065	50.139	ug/l	99
15) Acrylonitrile	3.14	53	293583	298.252	ug/l	99
16) Acetone	2.45	43	261778	280.311	ug/l	96
17) Carbon Disulfide	2.56	76	155187	46.239	ug/l	100
18) Methyl Acetate	2.78	43	134713	60.655	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	267232	57.567	ug/l	99
20) Methylene Chloride	2.85	84	80731	53.390	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	66619	51.387	ug/l	99
22) Diisopropyl ether	3.85	45	327719	58.496	ug/l	98
23) Vinyl Acetate	3.81	43	1391890	290.132	ug/l	99
24) 1,1-Dichloroethane	3.70	63	153890	55.681	ug/l	99
25) 2-Butanone	4.67	43	436761	300.960	ug/l	97
26) 2,2-Dichloropropane	4.58	77	46940	22.818	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	83537	53.984	ug/l	95
28) Bromochloromethane	5.01	49	57115	51.415	ug/l	98
29) Tetrahydrofuran	5.13	42	287337	307.688	ug/l	98
30) Chloroform	5.21	83	142250	56.908	ug/l	100
31) Cyclohexane	5.58	56	131582	51.173	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	114867	55.202	ug/l	99
36) 1,1-Dichloropropene	5.80	75	100827	50.297	ug/l	99
37) Ethyl Acetate	4.84	43	162497	58.180	ug/l	99
38) Carbon Tetrachloride	5.78	117	93024	51.075	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	110682	44.959	ug/l	98
40) Benzene	6.14	78	322131	51.924	ug/l	98
41) Methacrylonitrile	5.04	41	94079	56.586	ug/l	99
42) 1,2-Dichloroethane	6.19	62	124153	55.788	ug/l	98
43) Isopropyl Acetate	6.45	43	256768	57.474	ug/l	99
44) Trichloroethene	7.21	130	75939	50.632	ug/l	97
45) 1,2-Dichloropropane	7.51	63	94643	53.875	ug/l	100
46) Dibromomethane	7.66	93	55018	53.932	ug/l	100
47) Bromodichloromethane	7.90	83	109998	54.056	ug/l	99
48) Methyl methacrylate	7.77	41	130541	58.896	ug/l	98
49) 1,4-Dioxane	7.74	88	47913	1065.921	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	885804	303.346	ug/l	99
52) Toluene	8.78	92	195763	51.910	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	112079	48.785	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	122466	48.160	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	84615	54.997	ug/l	97
56) Ethyl methacrylate	9.18	69	156658	57.042	ug/l	97
57) 1,3-Dichloropropane	9.37	76	148091	54.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	331657	227.638	ug/l	100
59) 2-Hexanone	9.49	43	678484	295.840	ug/l	98
60) Dibromochloromethane	9.58	129	83243	55.397	ug/l	99
61) 1,2-Dibromoethane	9.67	107	85423	55.003	ug/l	99
64) Tetrachloroethene	9.34	164	75646	55.946	ug/l	98
65) Chlorobenzene	10.13	112	205558	52.130	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	78421	54.856	ug/l	99
67) Ethyl Benzene	10.25	91	377167	51.973	ug/l	100
68) m/p-Xylenes	10.36	106	275622	103.933	ug/l	98
69) o-Xylene	10.69	106	137565	52.576	ug/l	99
70) Styrene	10.71	104	246103	54.116	ug/l	99
71) Bromoform	10.85	173	65795	56.635	ug/l	99
73) Isopropylbenzene	11.02	105	366857	51.366	ug/l	99
74) N-amyl acetate	10.90	43	234524	56.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	144384	54.230	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	120963m	53.095	ug/l	
77) Bromobenzene	11.26	156	91785	51.777	ug/l	98
78) n-propylbenzene	11.36	91	415915	50.991	ug/l	100
79) 2-Chlorotoluene	11.42	91	254557	50.585	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	310810	51.684	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	36587	41.090	ug/l	96
82) 4-Chlorotoluene	11.51	91	290466	51.094	ug/l	100
83) tert-Butylbenzene	11.77	119	292412	49.985	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	314594	52.118	ug/l	99
85) sec-Butylbenzene	11.94	105	351743	50.715	ug/l	100
86) p-Isopropyltoluene	12.06	119	316376	50.741	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	162169	51.317	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	162942	51.143	ug/l	100
89) n-Butylbenzene	12.38	91	274323	48.677	ug/l	100
90) Hexachloroethane	12.60	117	54617	51.416	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	166234	51.646	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	32859	55.016	ug/l	98

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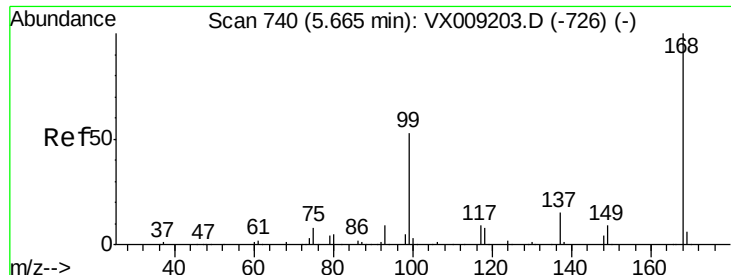
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	113363	51.503	ug/l	98
94) Hexachlorobutadiene	13.78	225	54553	48.534	ug/l	99
95) Naphthalene	13.83	128	387985	54.180	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	116732	52.319	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 127403

Ion Ratio Lower Upper

168 100

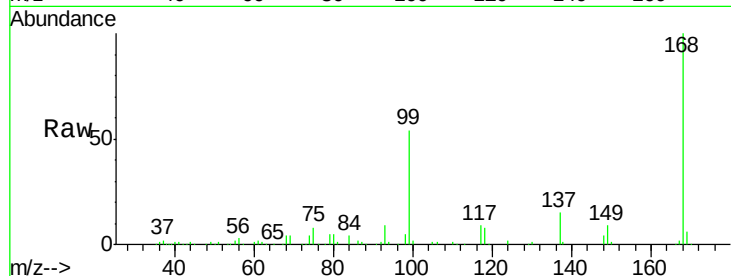
99 53.5 42.3 63.5

Manual Integrations

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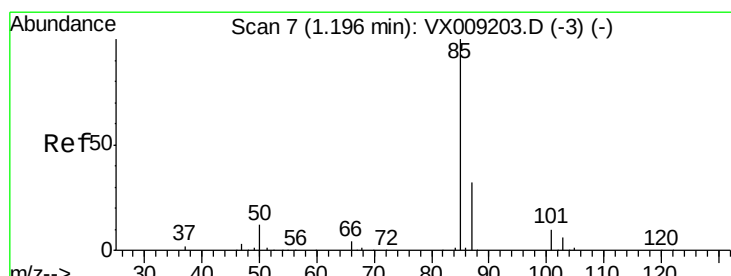
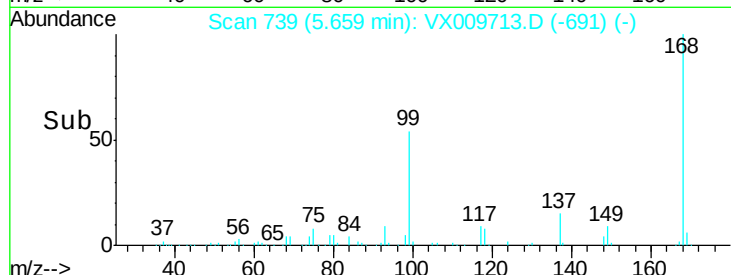
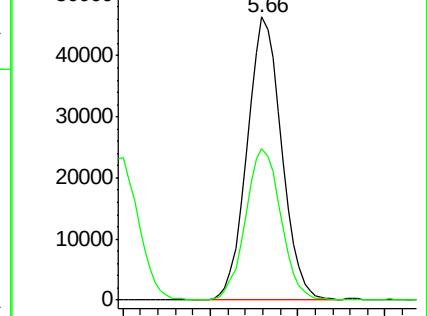
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 43.726 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009713.D

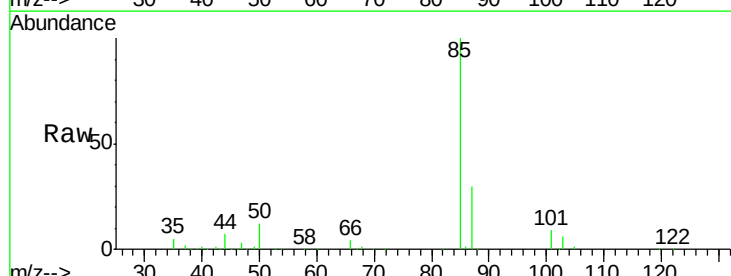
Acq: 18 May 2019 12:30

Tgt Ion: 85 Resp: 51336

Ion Ratio Lower Upper

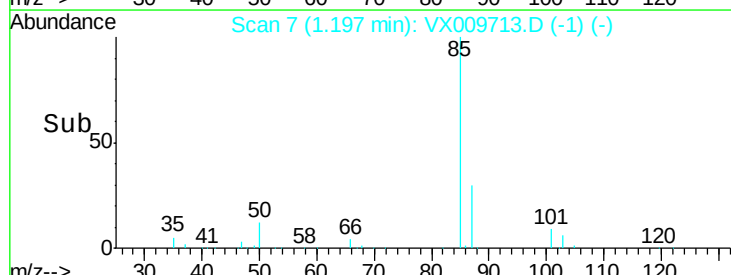
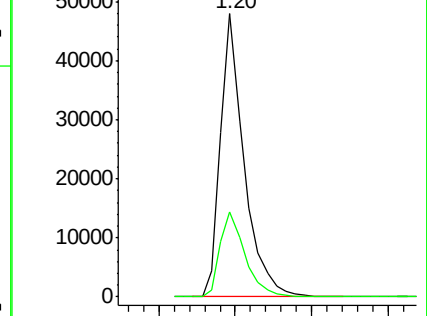
85 100

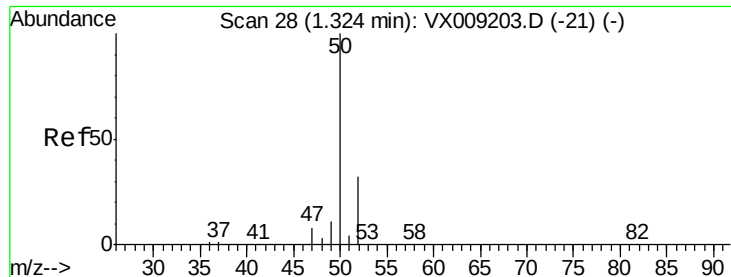
87 30.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 51.134 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 81961

Ion Ratio Lower Upper

50 100

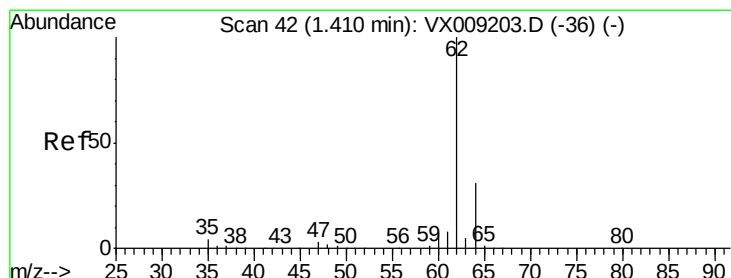
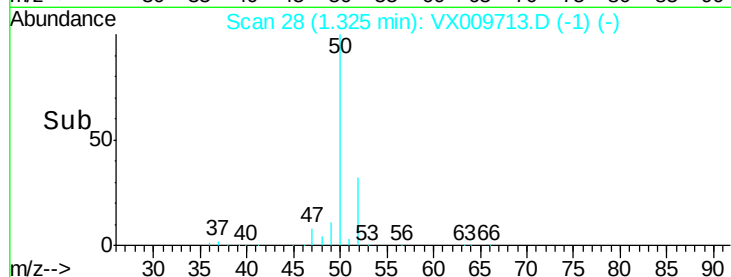
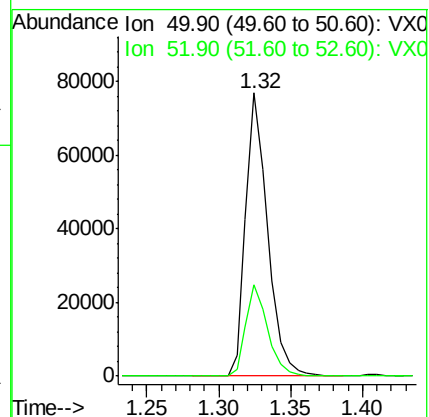
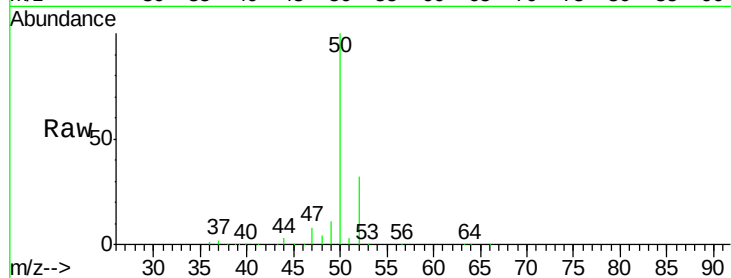
52 32.3 25.9 38.9

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#4

Vinyl Chloride

Concen: 50.788 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009713.D

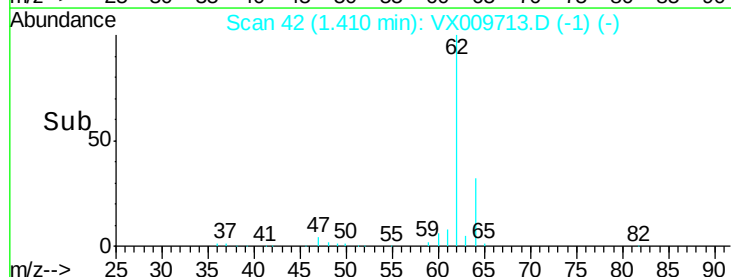
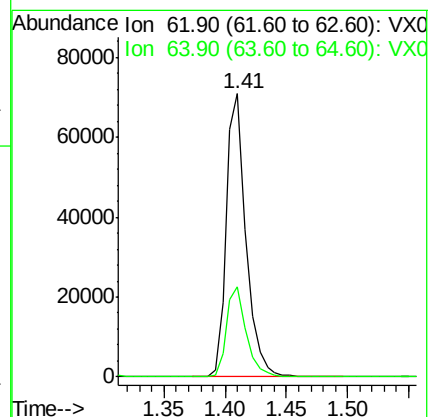
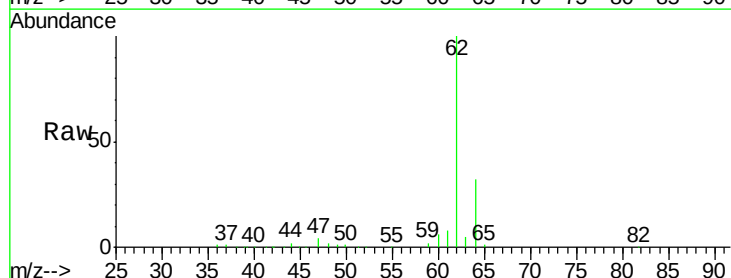
Acq: 18 May 2019 12:30

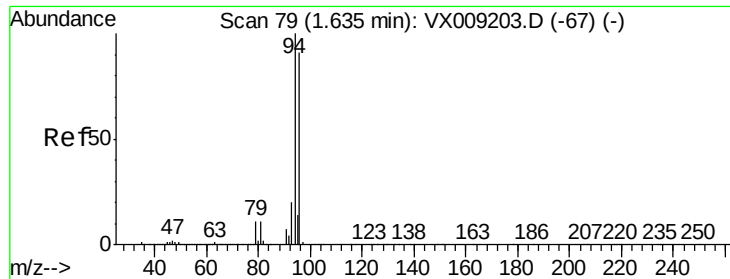
Tgt Ion: 62 Resp: 79381

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 47.341 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 44412

Ion Ratio Lower Upper

94 100

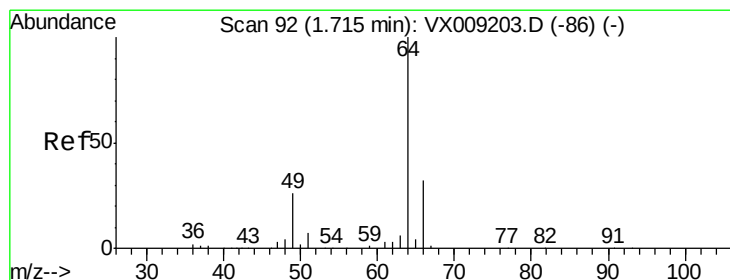
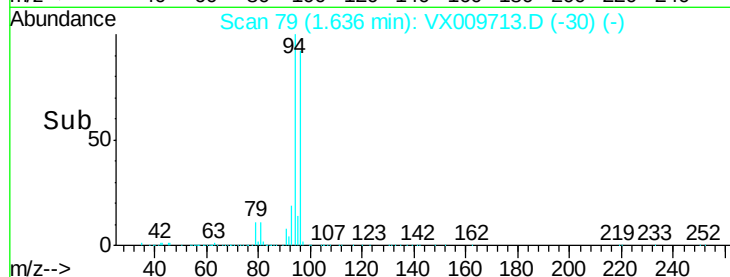
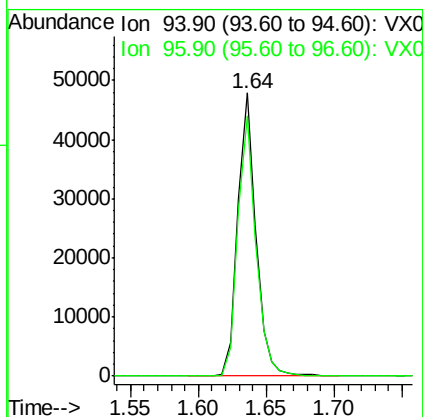
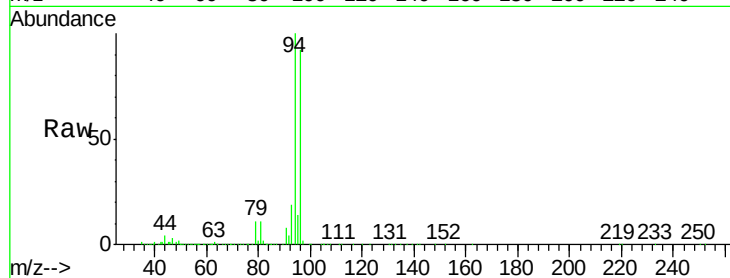
96 92.2 73.0 109.6

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#6

Chloroethane

Concen: 53.684 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009713.D

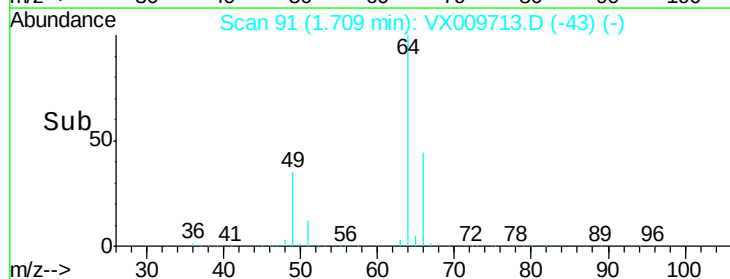
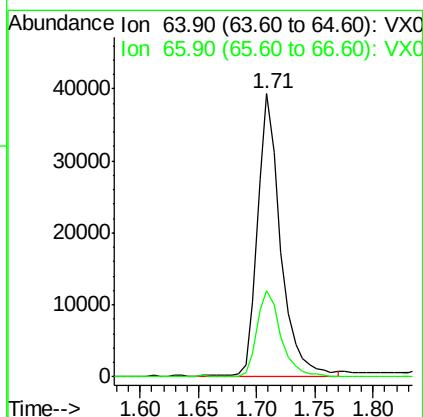
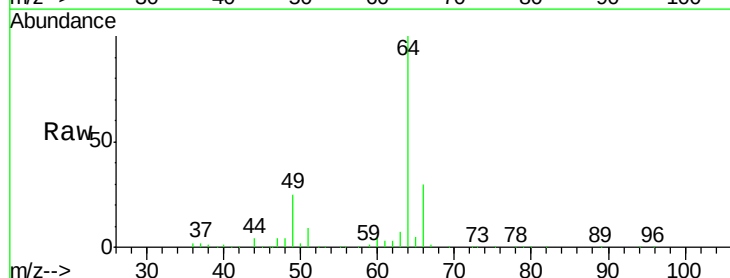
Acq: 18 May 2019 12:30

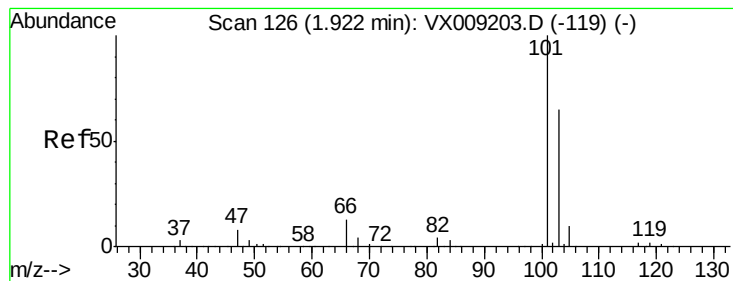
Tgt Ion: 64 Resp: 53872

Ion Ratio Lower Upper

64 100

66 30.1 25.3 37.9





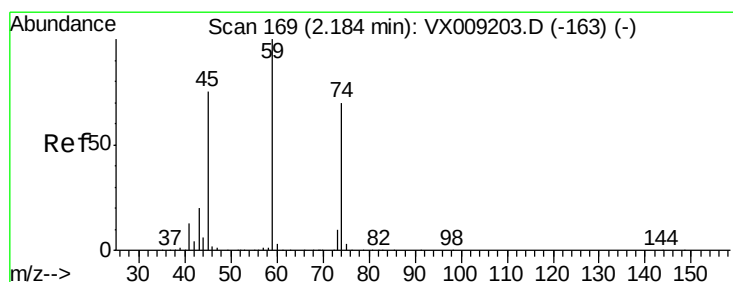
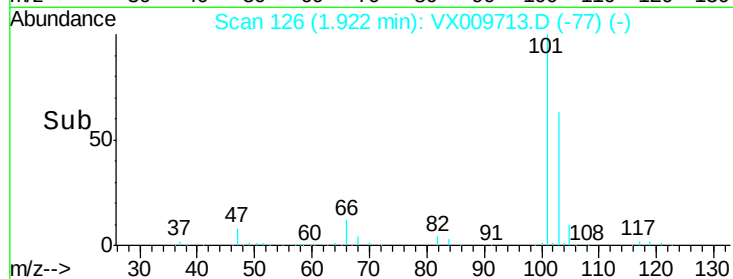
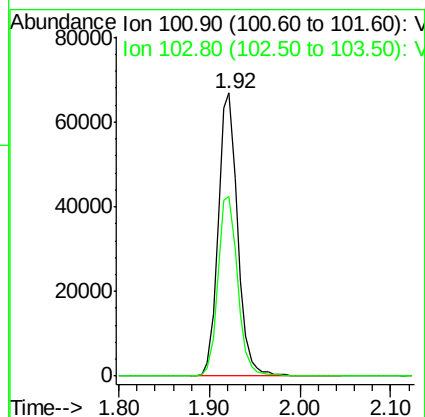
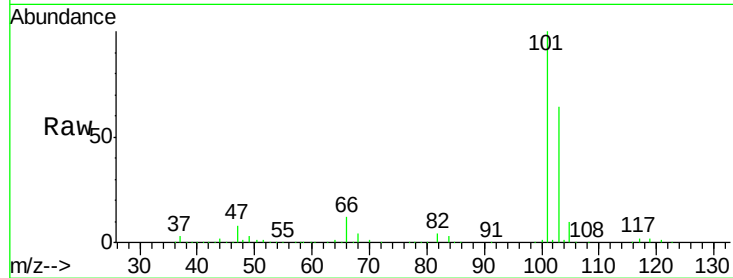
#7
 Trichlorofluoromethane
 Concen: 52.813 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 100340
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.4 78.6

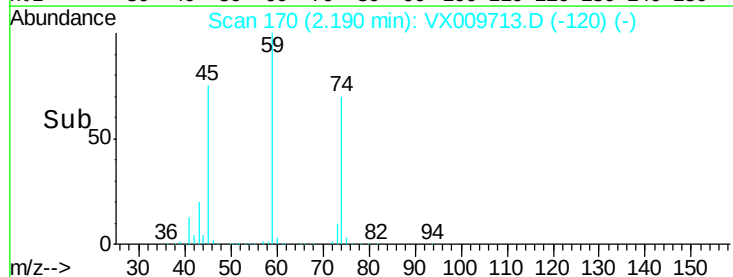
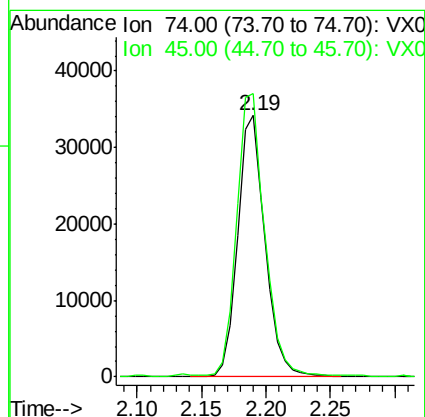
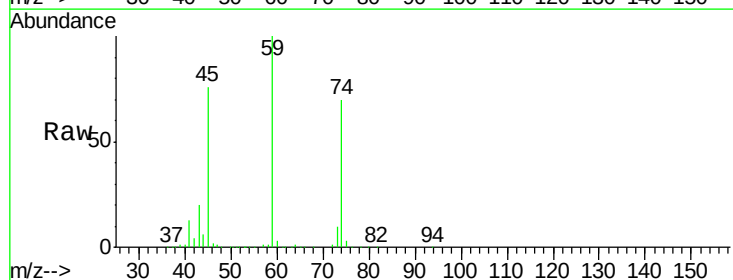
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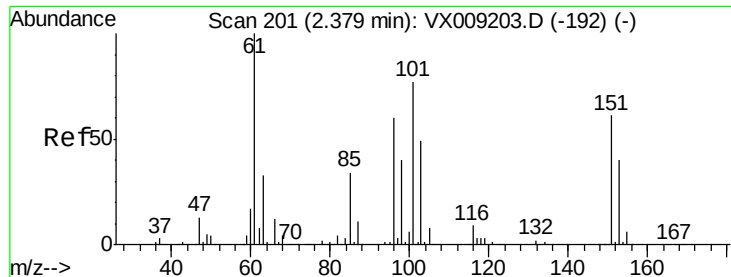
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 5/20/2019 10:46:49 AM



#8
 Diethyl Ether
 Concen: 56.013 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Tgt Ion: 74 Resp: 50409
 Ion Ratio Lower Upper
 74 100
 45 110.2 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.141 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

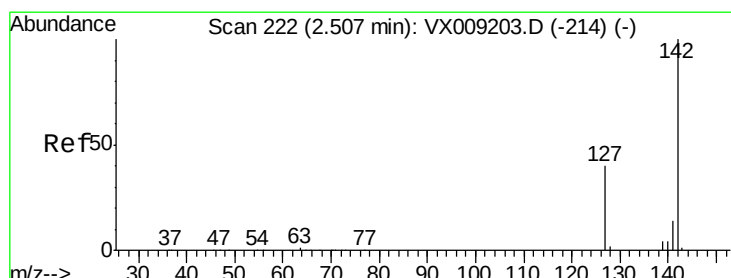
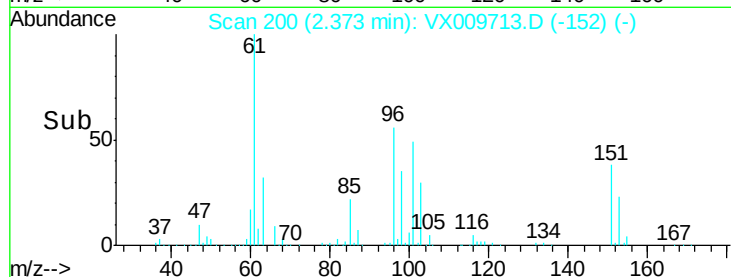
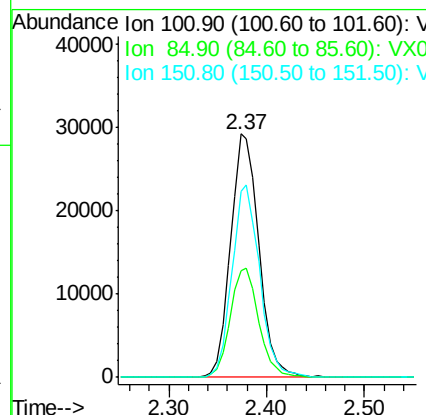
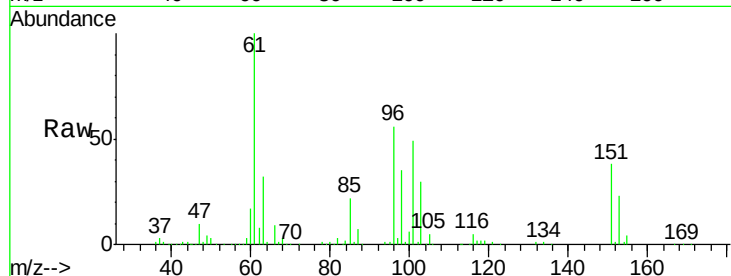
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	58629
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.7	53.5
151	77.4	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 47.466 ug/l

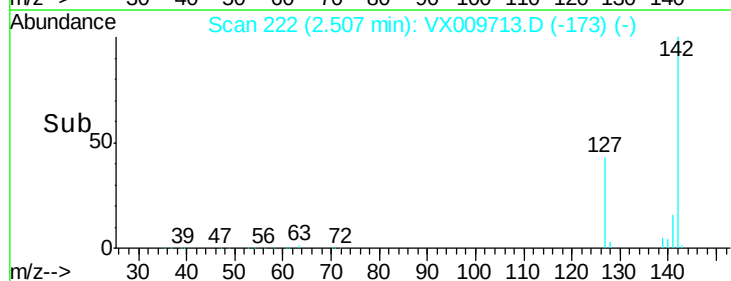
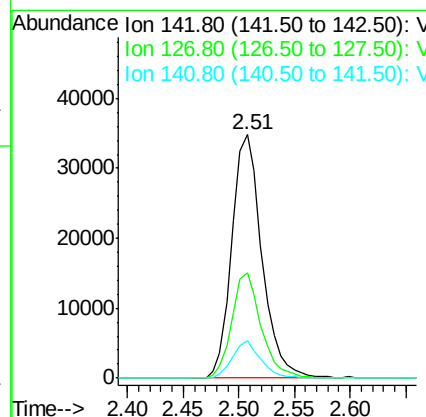
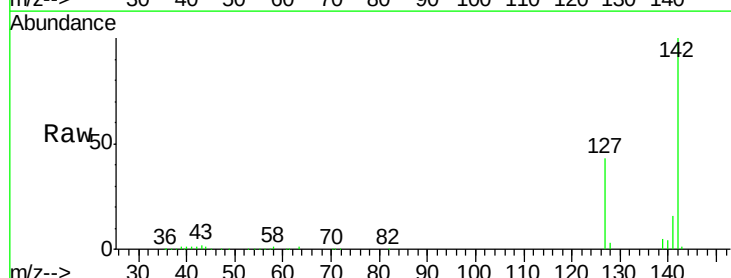
RT: 2.51 min Scan# 222

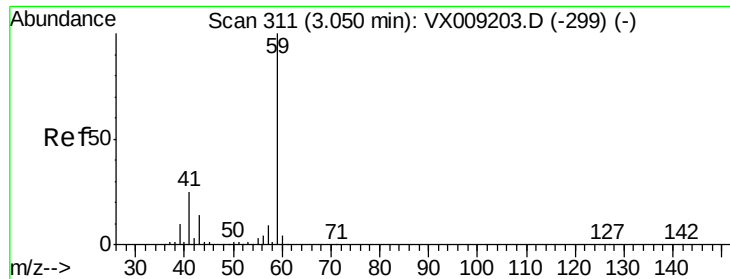
Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Tgt Ion:	142	Resp:	65443
Ion Ratio	Lower	Upper	
142	100		
127	42.1	32.7	49.1
141	14.6	11.5	17.3





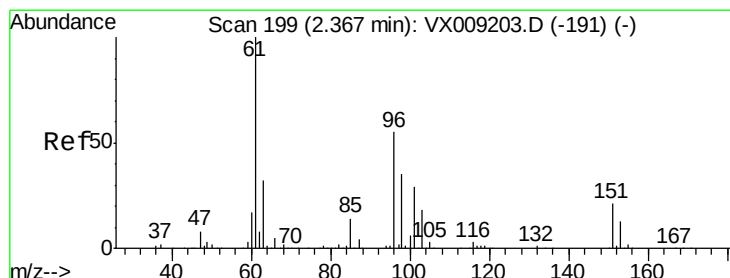
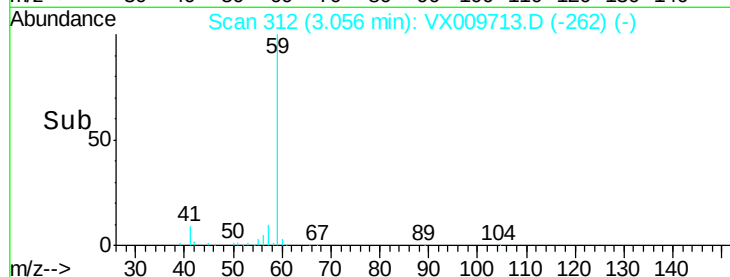
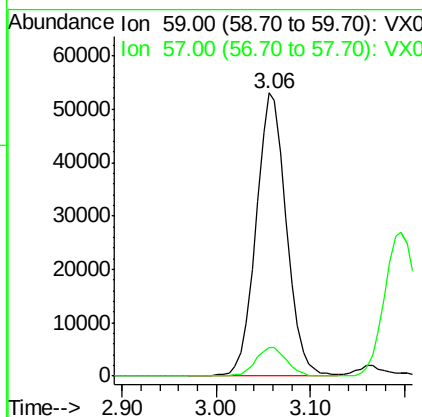
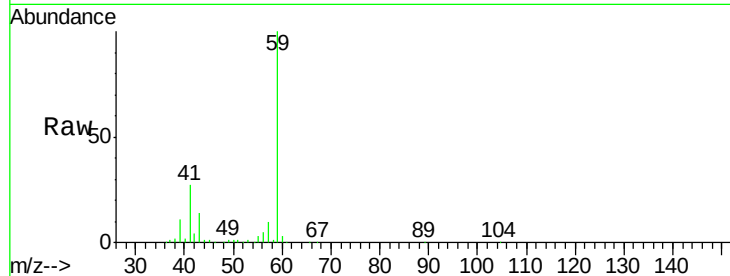
#11
Tert butyl alcohol
Concen: 298.798 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

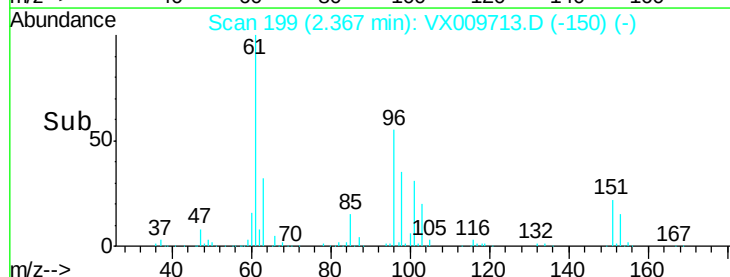
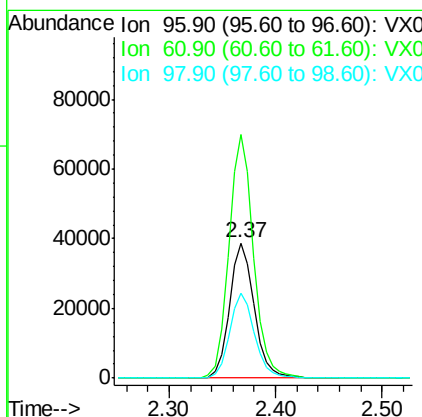
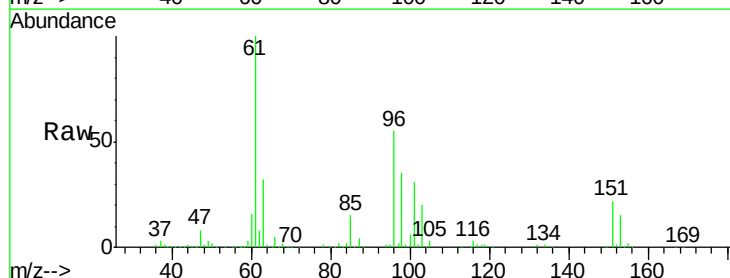
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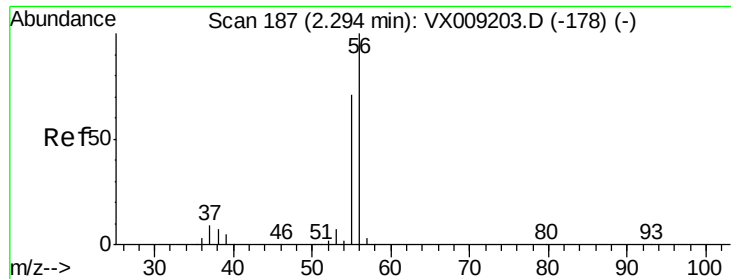
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#12
1,1-Dichloroethene
Concen: 52.645 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.3	144.3	216.5
98	63.0	50.3	75.5





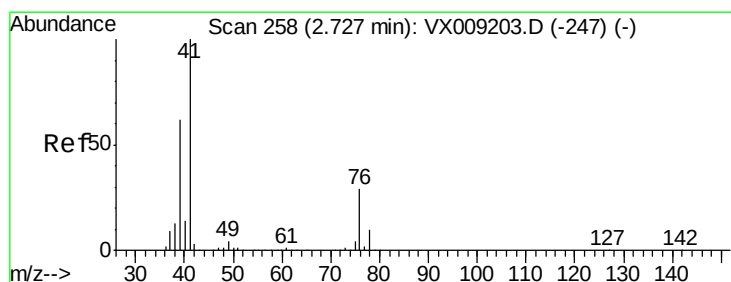
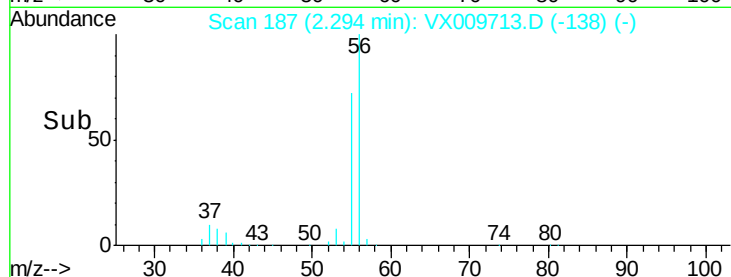
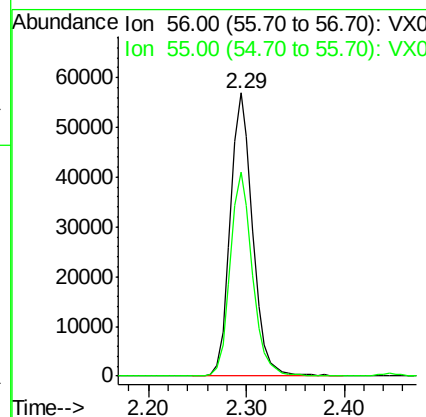
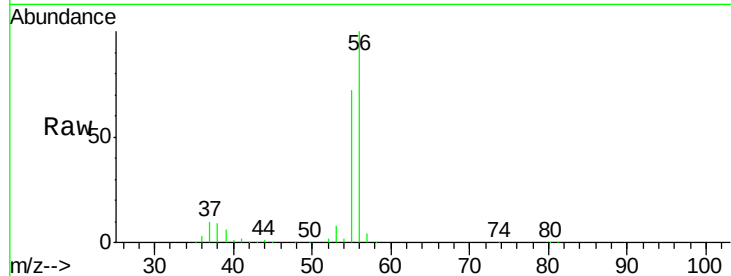
#13
Acrolein
Concen: 248.563 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.4	56.6	85.0

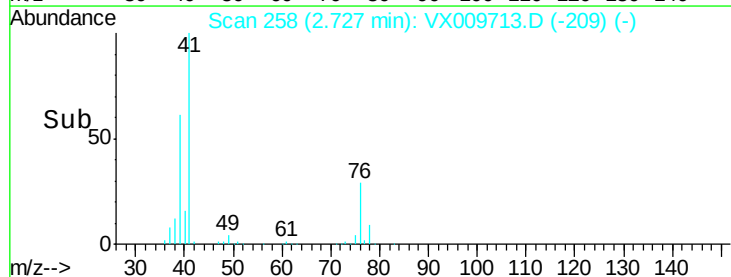
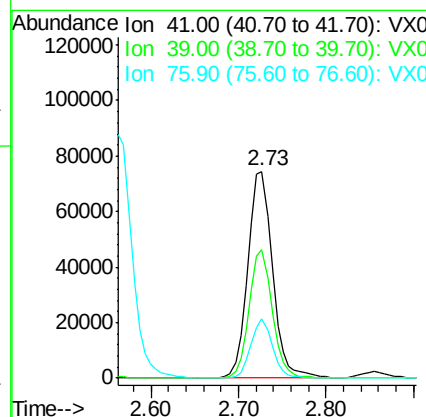
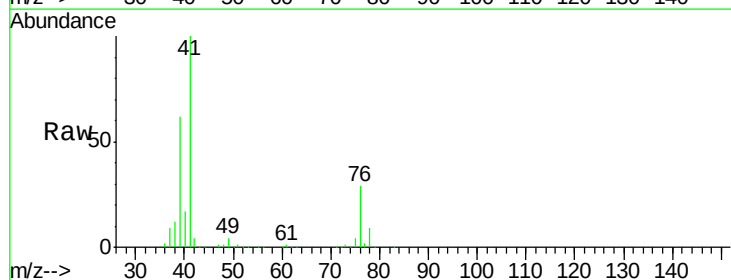
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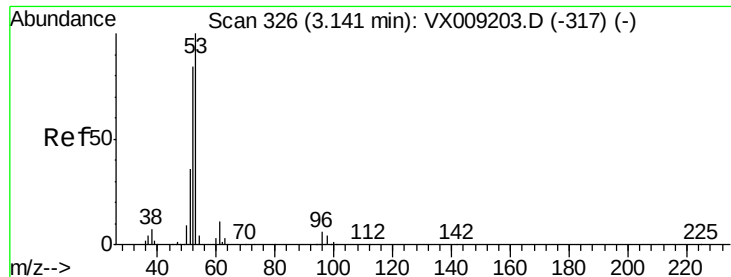
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#14
Allyl chloride
Concen: 50.139 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	58.4	46.7	70.1
76	76	25.2	21.8	32.8





#15

Acrylonitrile

Concen: 298.252 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

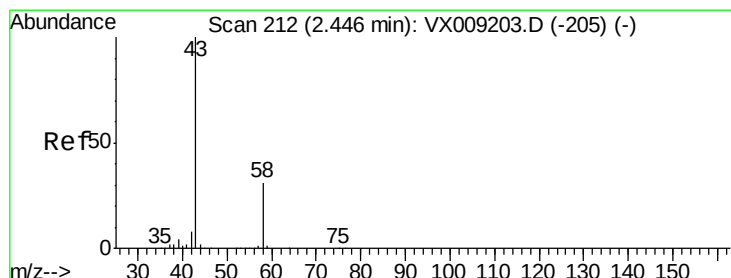
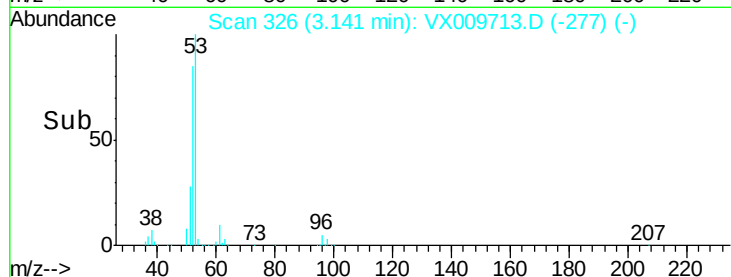
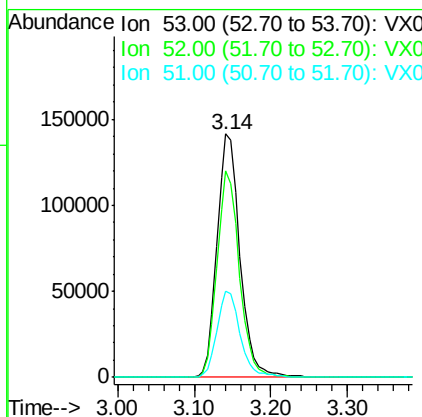
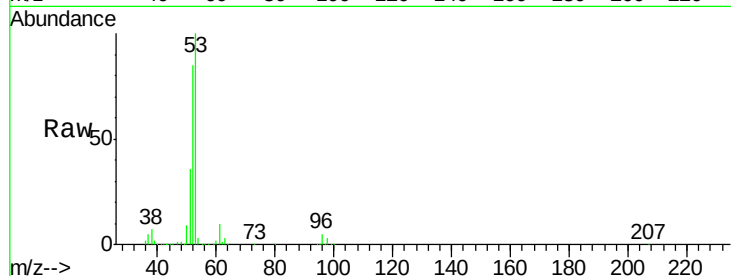
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	293583
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.9	100.3
51	36.1	28.2	42.2

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#16

Acetone

Concen: 280.311 ug/l

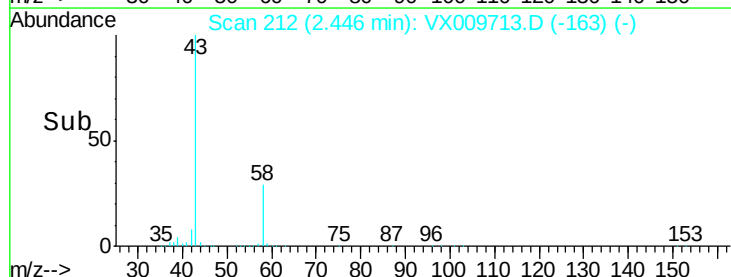
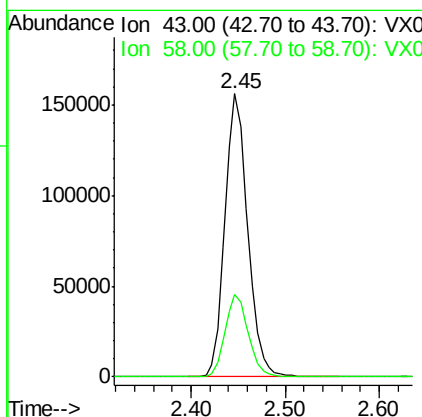
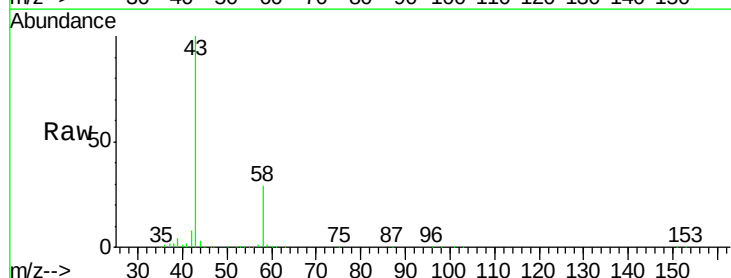
RT: 2.45 min Scan# 212

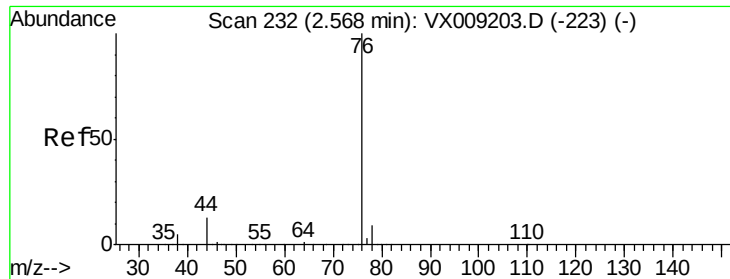
Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Tgt Ion:	43	Resp:	261778
Ion Ratio	Lower	Upper	
43	100		
58	29.1	24.9	37.3





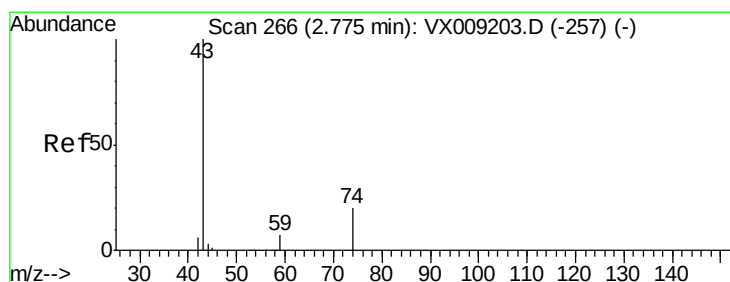
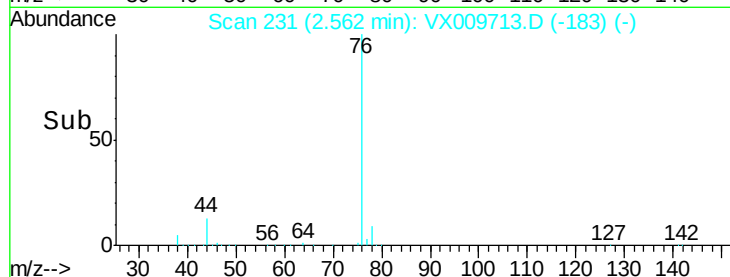
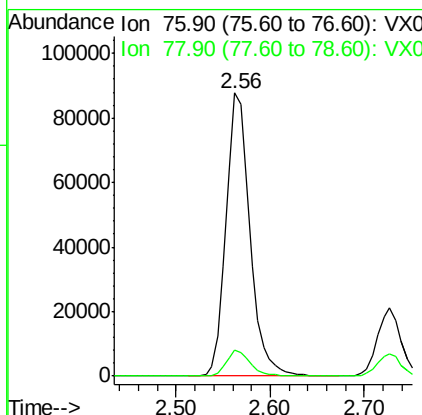
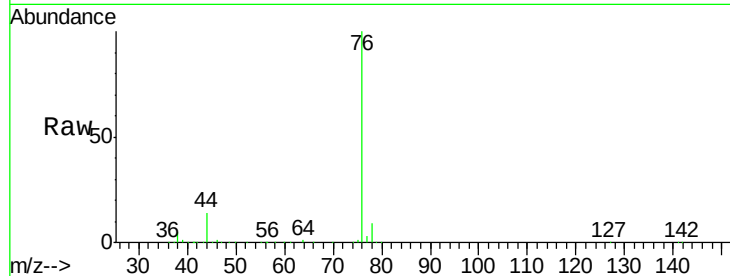
#17
Carbon Disulfide
Concen: 46.239 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

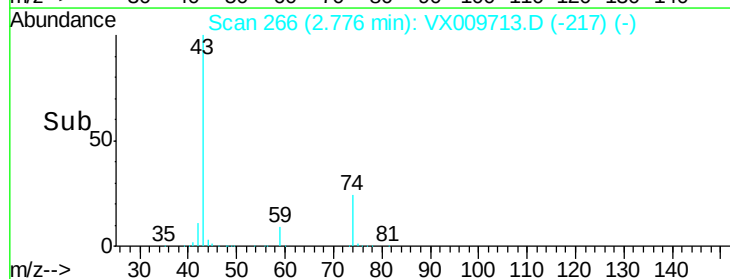
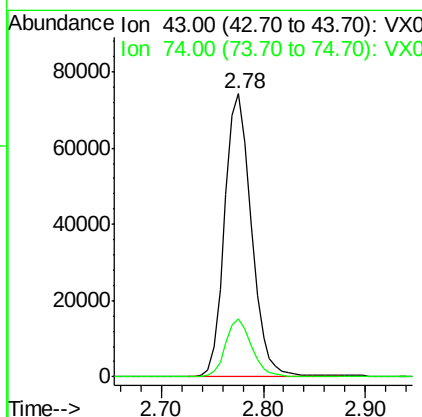
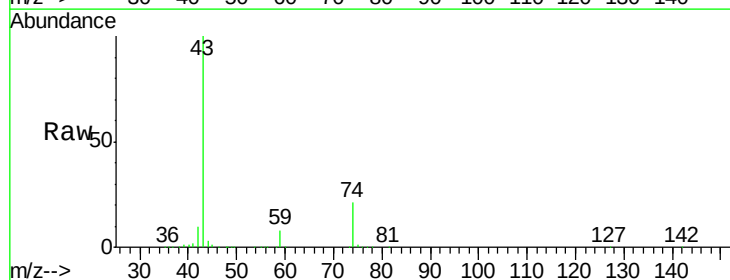
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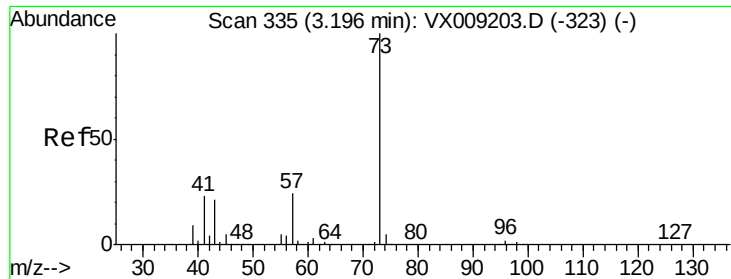
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#18
Methyl Acetate
Concen: 60.655 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.2	24.4





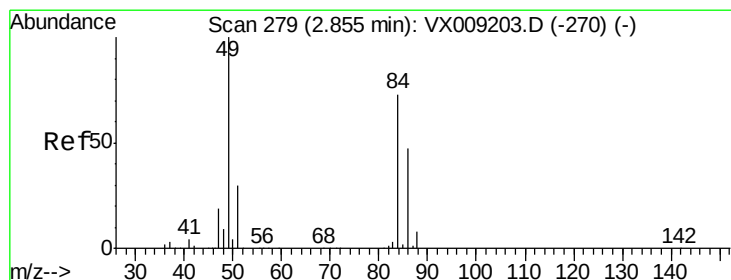
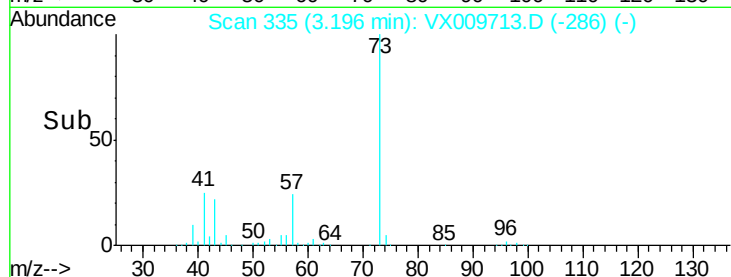
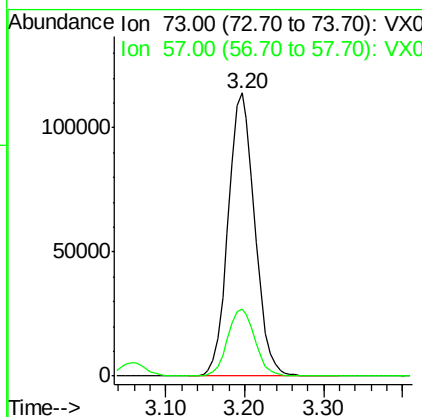
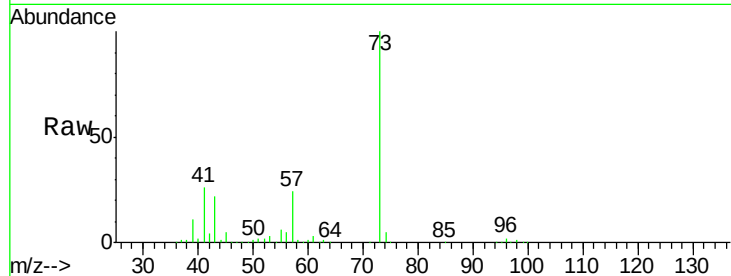
#19
Methyl tert-butyl Ether
Concen: 57.567 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.3	28.9

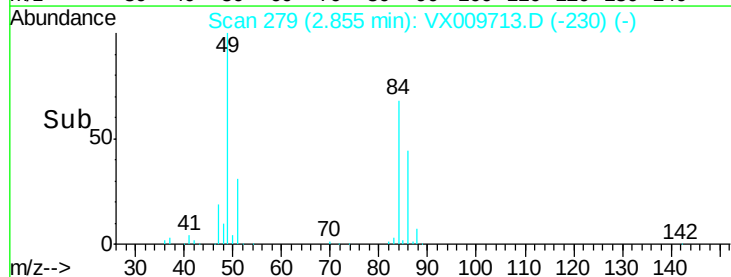
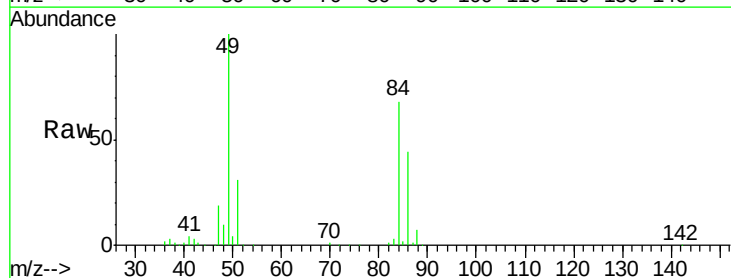
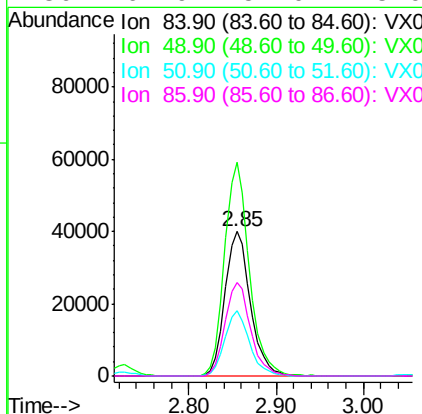
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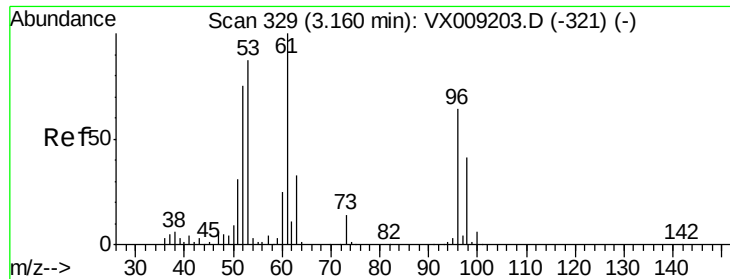
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#20
Methylene Chloride
Concen: 53.390 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.7	109.9	164.9
51	45.0	32.7	49.1
86	64.9	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 51.387 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 66619

Ion Ratio Lower Upper

96 100

61 157.4 124.5 186.7

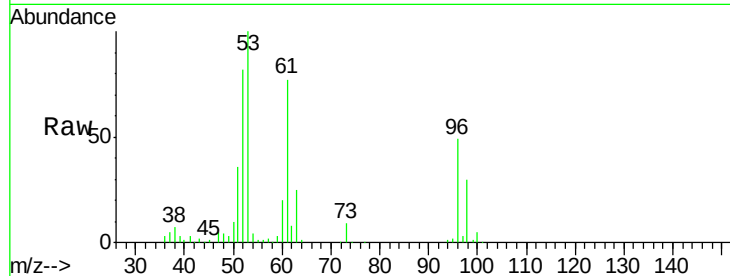
98 61.8 50.4 75.6

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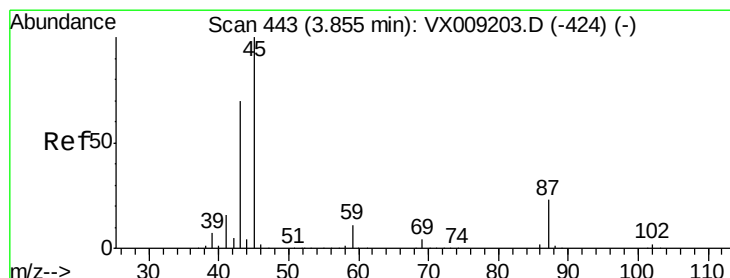
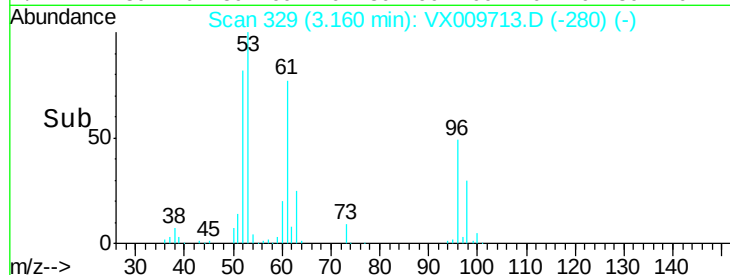
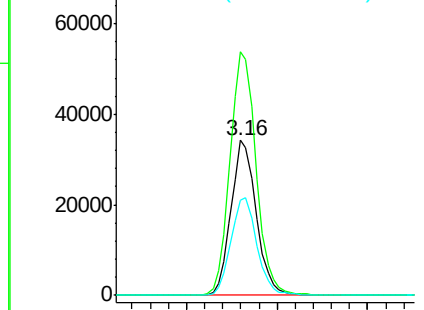
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 58.496 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Tgt Ion: 45 Resp: 327719

Ion Ratio Lower Upper

45 100

43 72.3 56.1 84.1

87 21.8 18.1 27.1

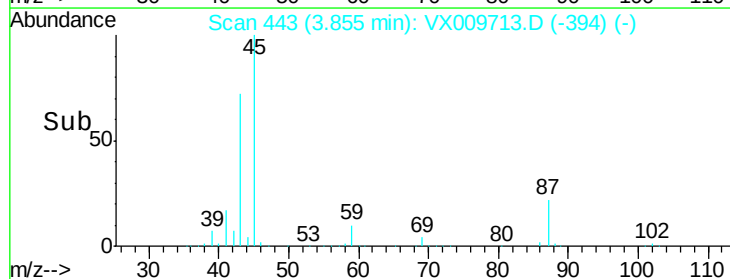
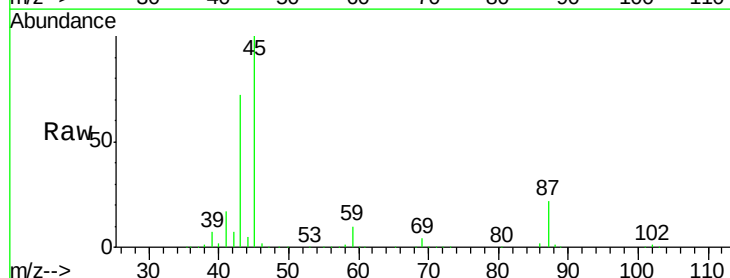
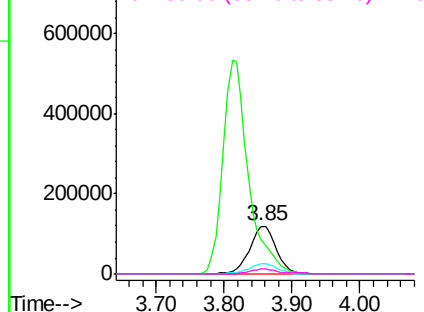
59 9.8 8.5 12.7

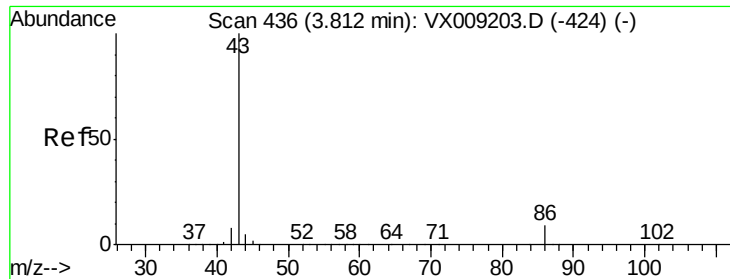
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 290.132 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1391890

Ion Ratio Lower Upper

43 100

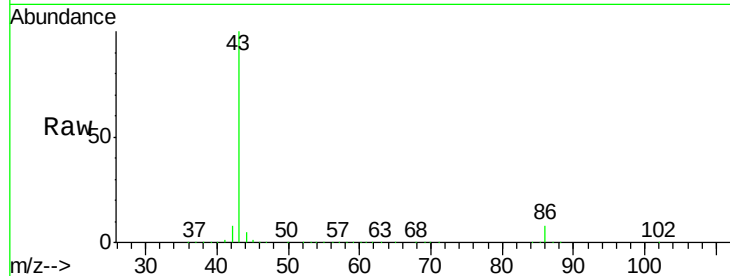
86 8.3 6.9 10.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

600000

500000

400000

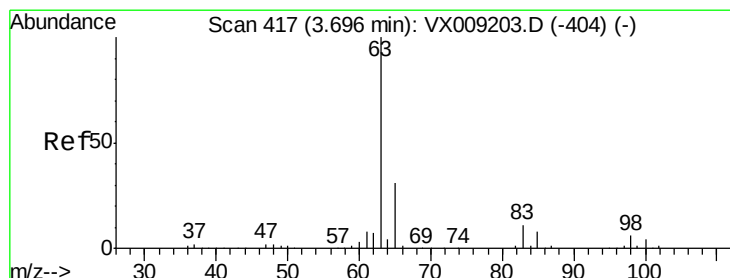
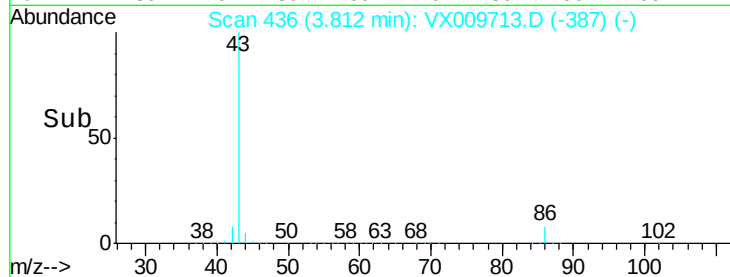
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.681 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

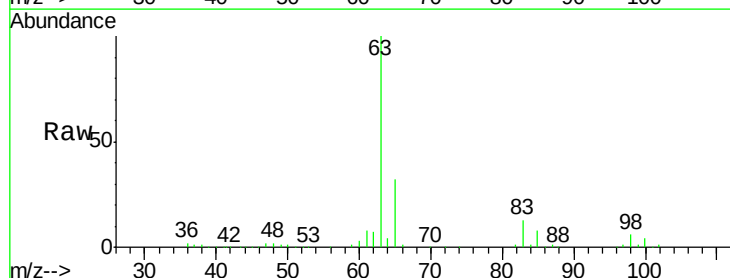
Tgt Ion: 63 Resp: 153890

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.5 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

3.70

80000

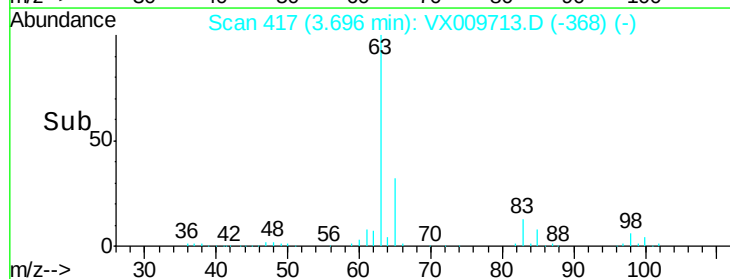
60000

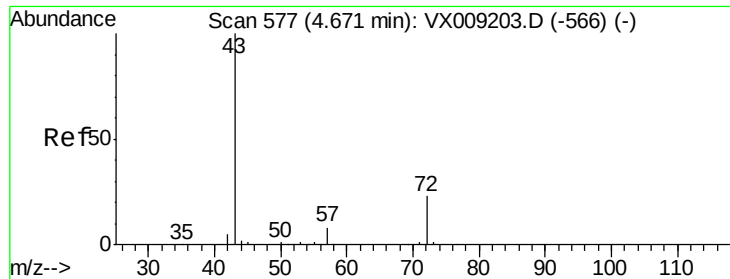
40000

20000

0

Time-->





#25

2-Butanone

Concen: 300.960 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 436761

Ion Ratio Lower Upper

43 100

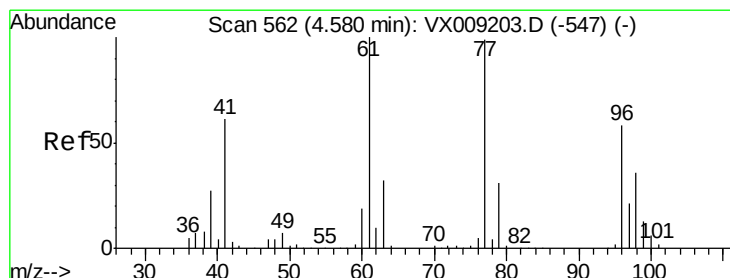
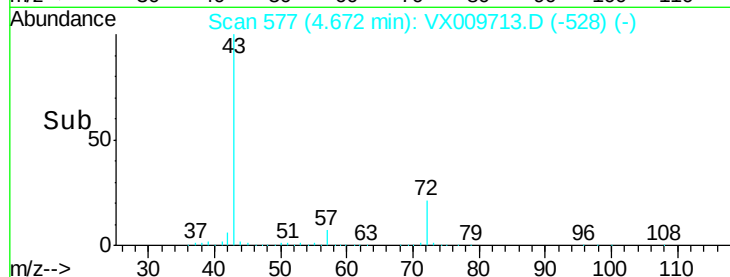
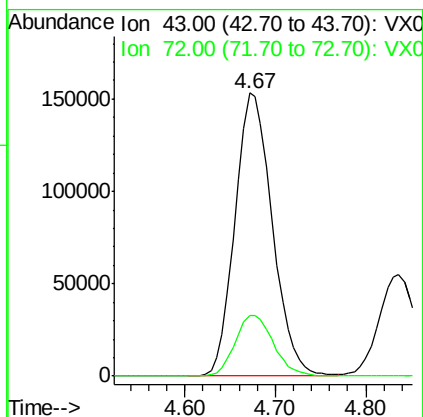
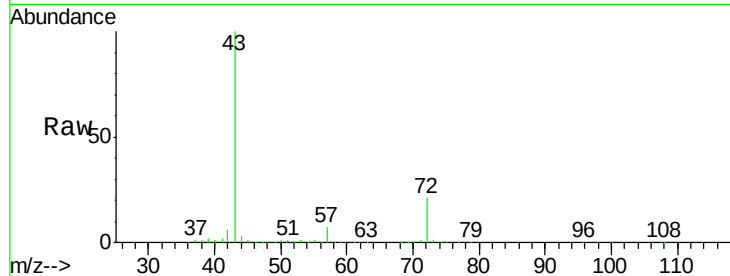
72 21.4 18.2 27.2

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#26

2,2-Dichloropropane

Concen: 22.818 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009713.D

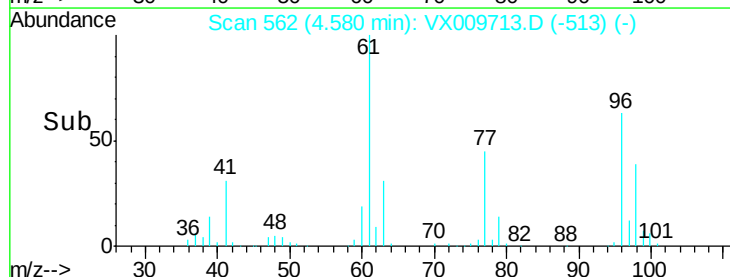
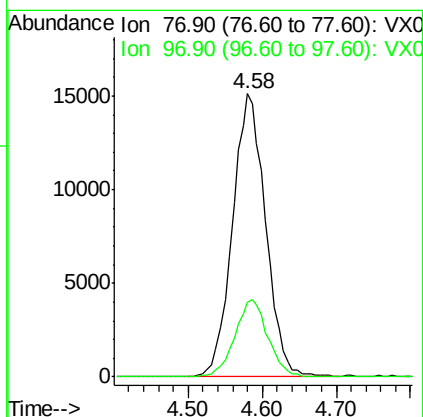
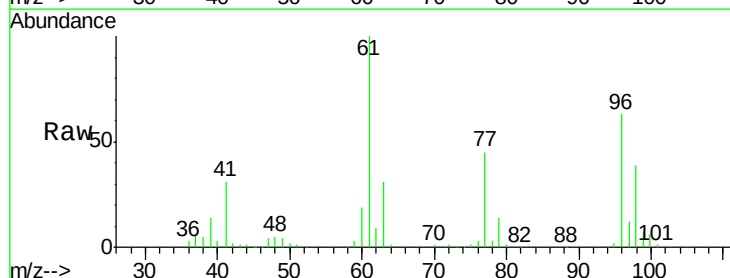
Acq: 18 May 2019 12:30

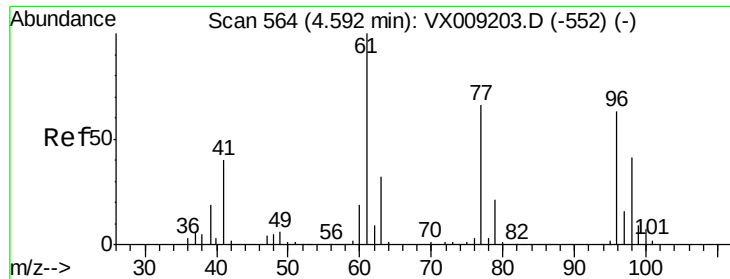
Tgt Ion: 77 Resp: 46940

Ion Ratio Lower Upper

77 100

97 27.2 11.5 34.4





#27

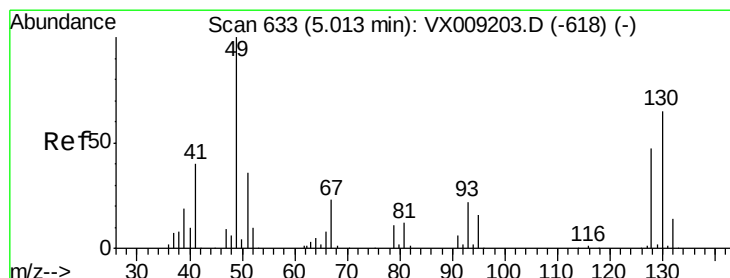
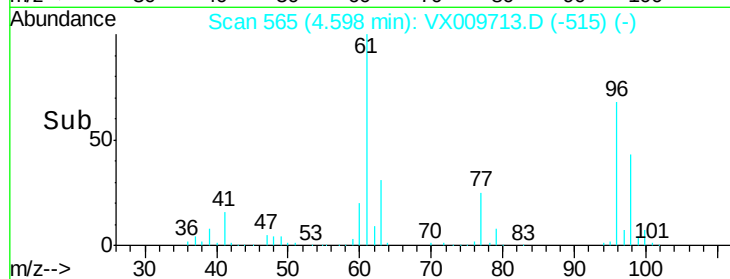
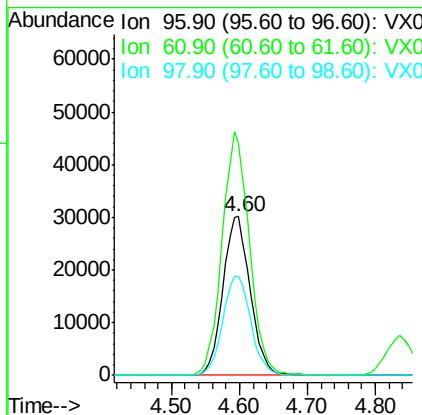
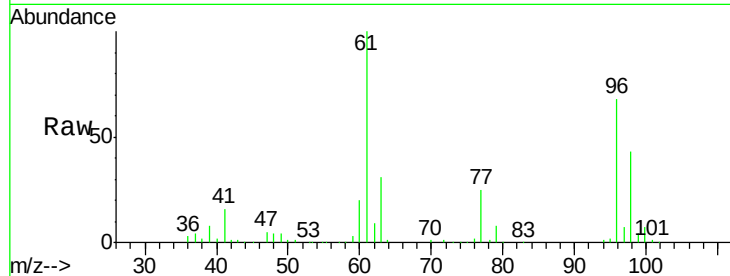
cis-1,2-Dichloroethene
Concen: 53.984 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	324.0
98	64.3	0.0	130.4

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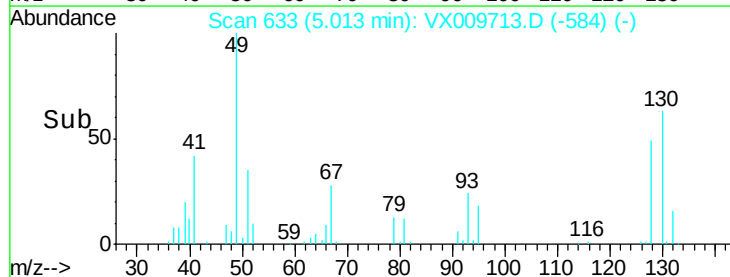
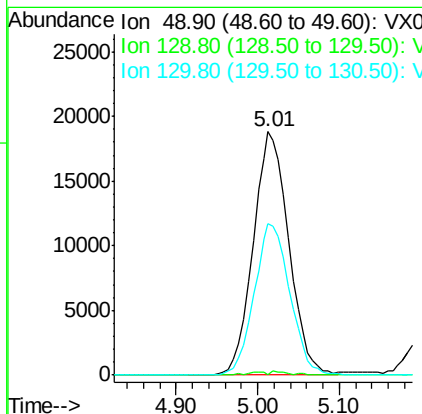
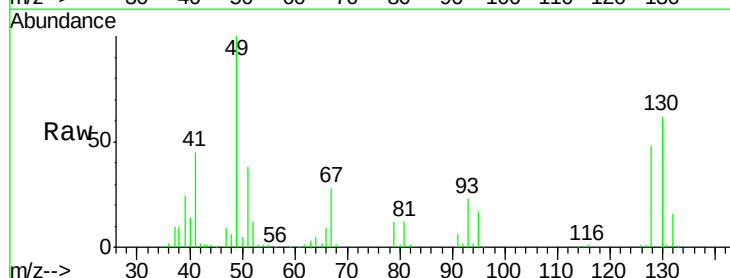
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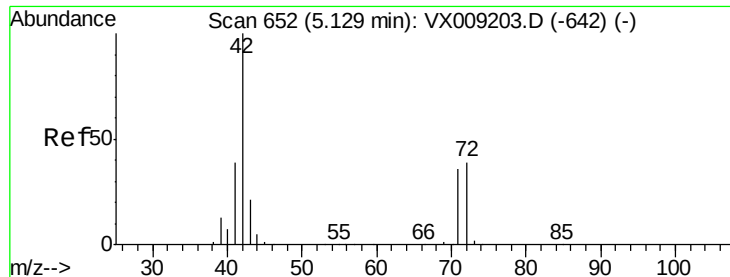


#28

Bromochloromethane
Concen: 51.415 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.8
130	62.2	51.2	76.8





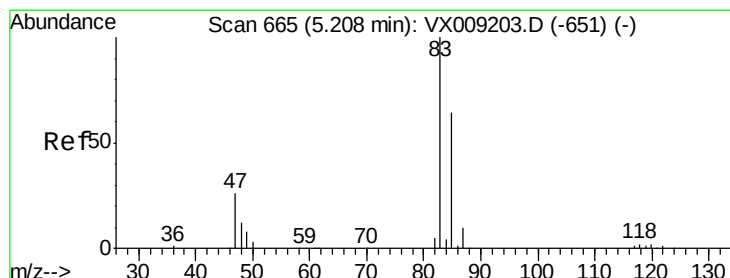
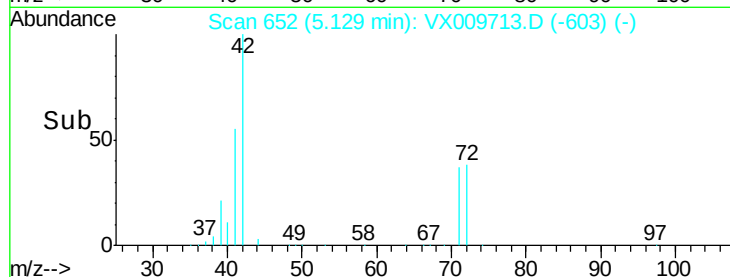
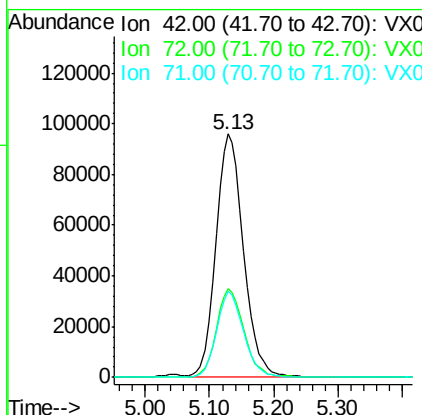
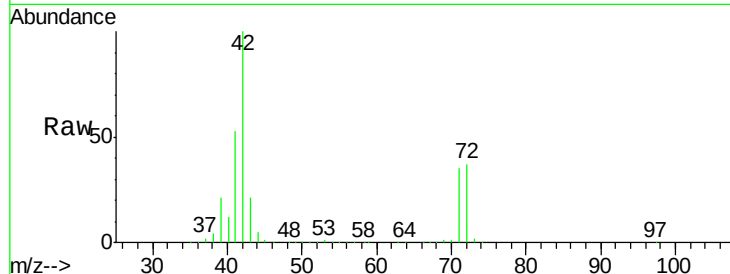
#29
Tetrahydrofuran
Concen: 307.688 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	30.4	45.6
71	34.7	28.6	43.0

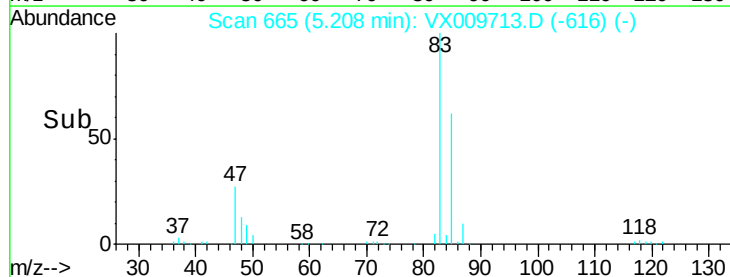
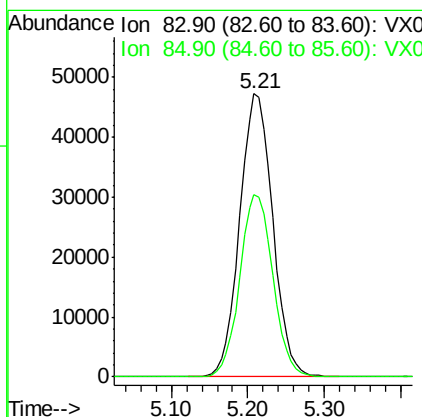
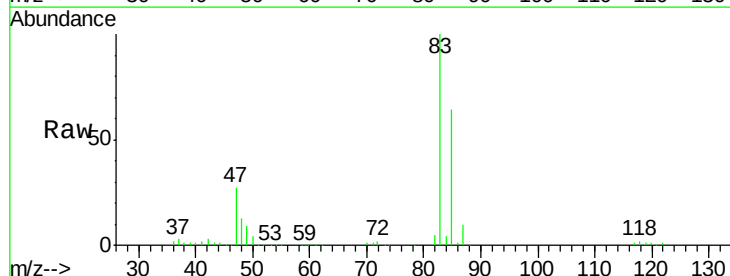
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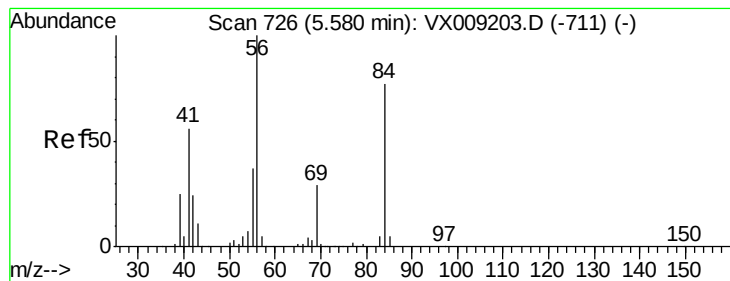
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#30
Chloroform
Concen: 56.908 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3





#31

Cyclohexane

Concen: 51.173 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

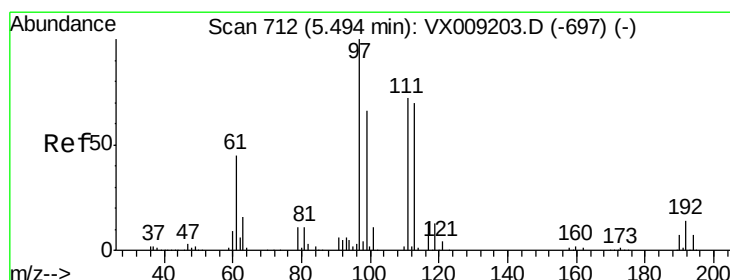
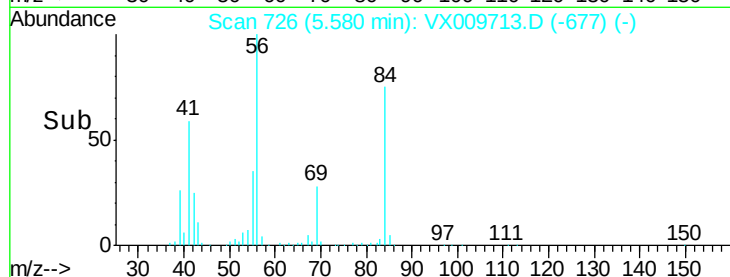
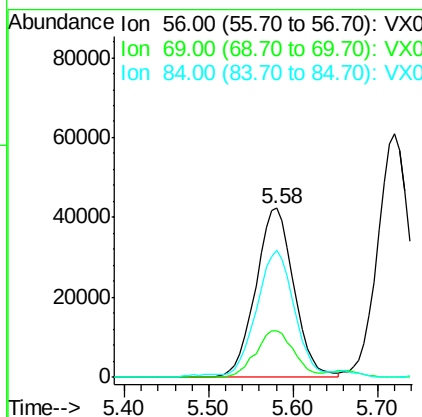
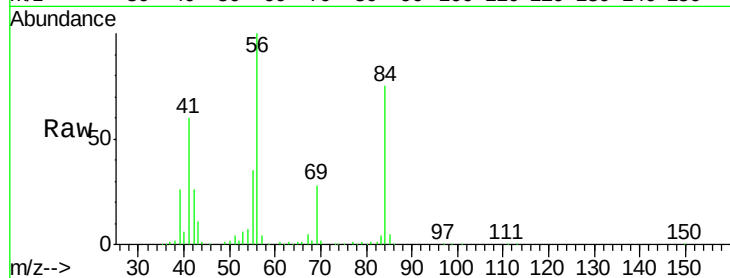
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	131582
Ion	Ratio	Lower	Upper
56	100		
69	27.7	23.4	35.0
84	74.3	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 55.202 ug/l

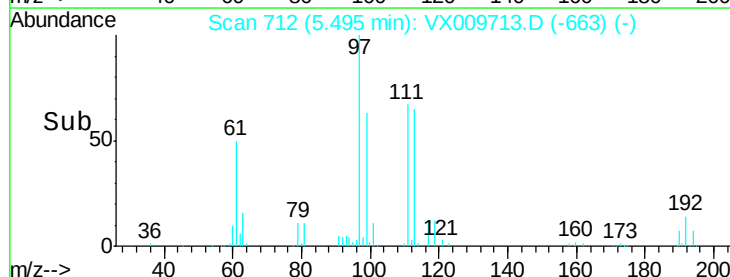
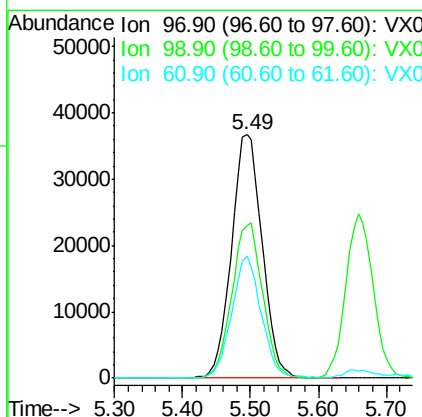
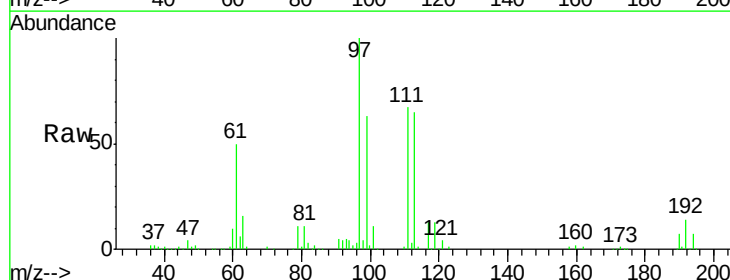
RT: 5.49 min Scan# 712

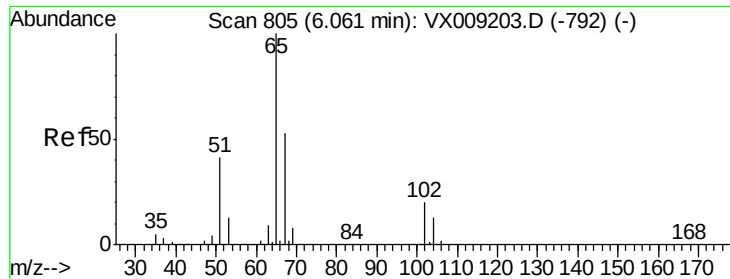
Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Tgt Ion:	97	Resp:	114867
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.8
61	48.1	37.8	56.8





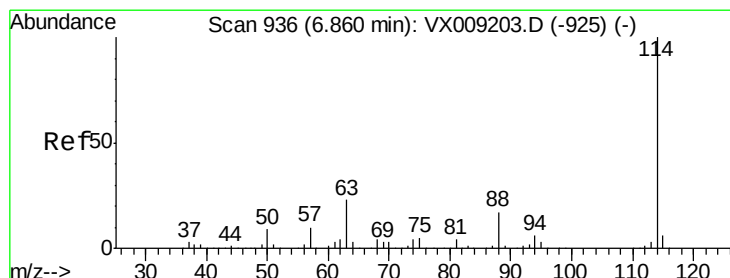
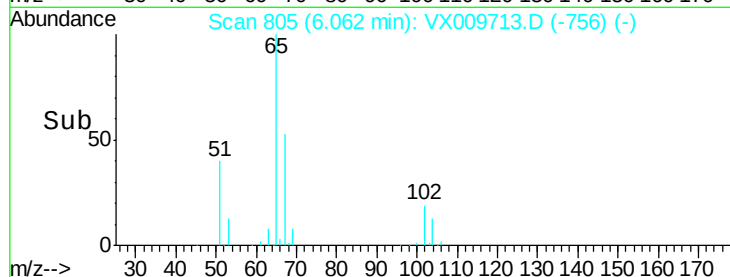
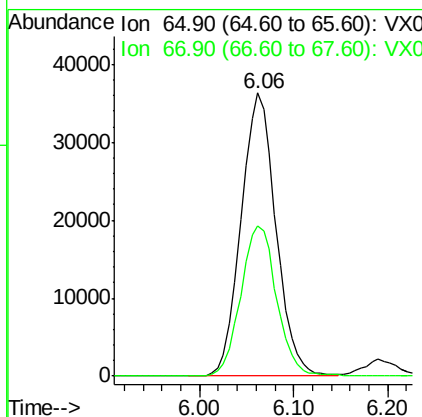
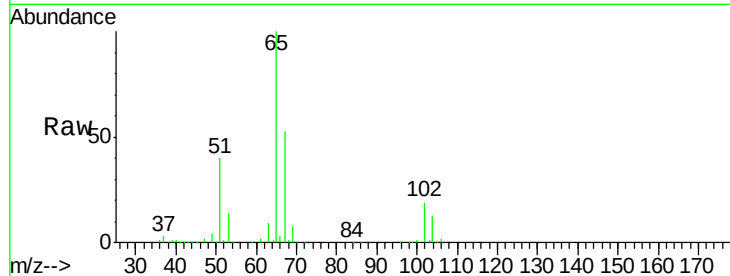
#33
 1,2-Dichloroethane-d4
 Concen: 54.171 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	106.6

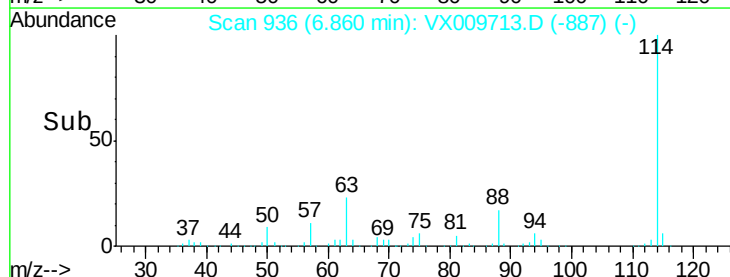
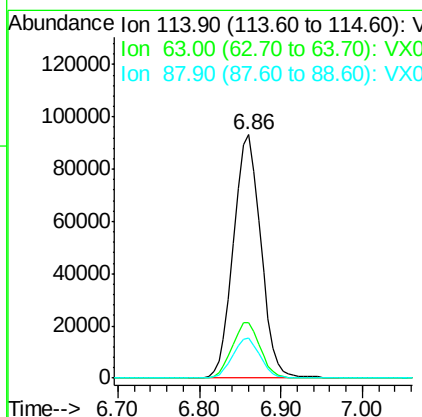
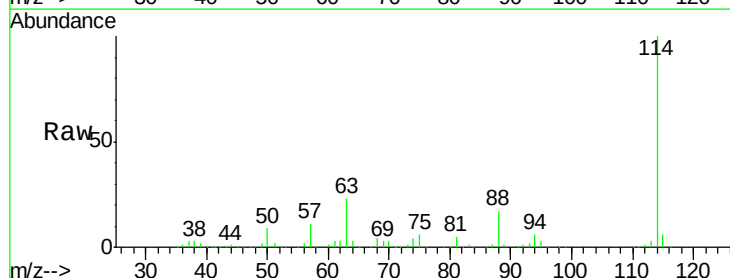
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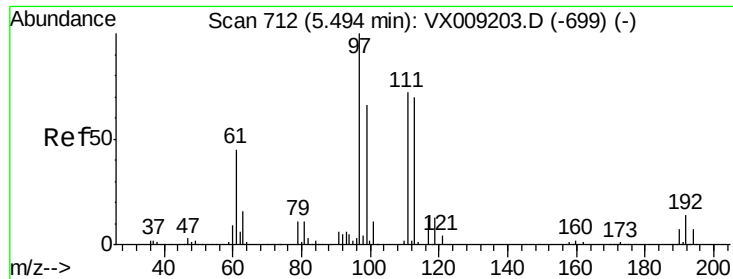
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.6
88	16.6	0.0	33.2





#35

Dibromofluoromethane

Concen: 51.155 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

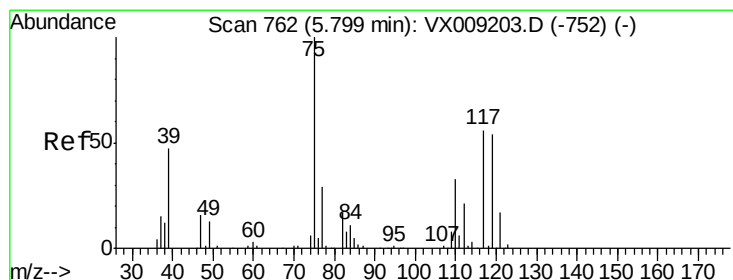
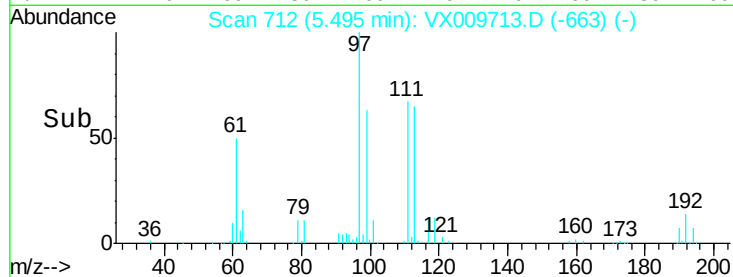
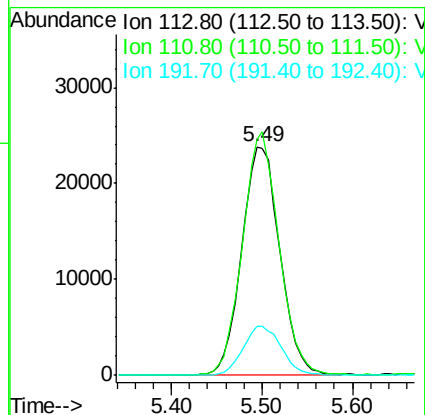
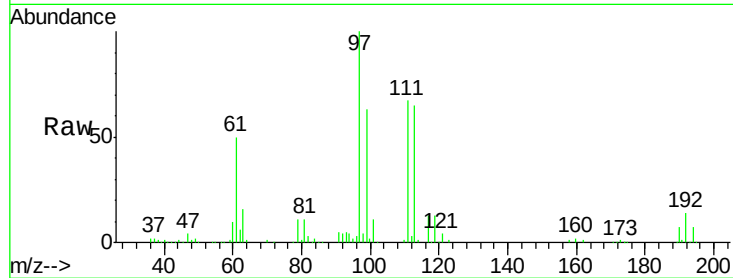
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	69368
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.8	124.2
192	21.6	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 50.297 ug/l

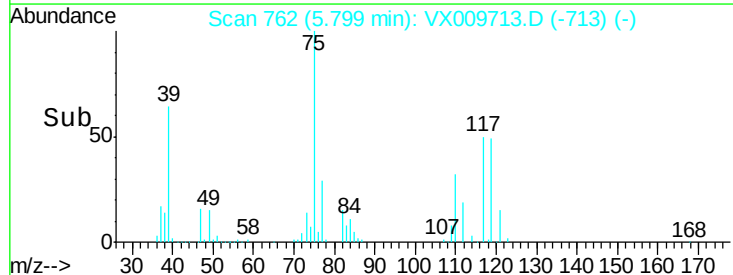
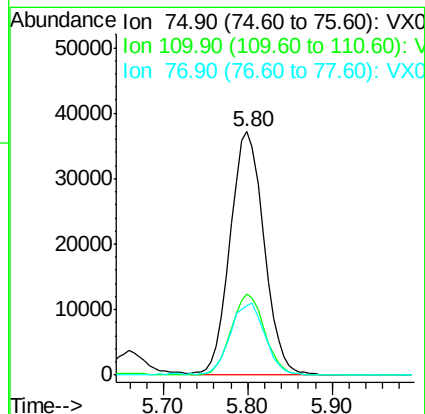
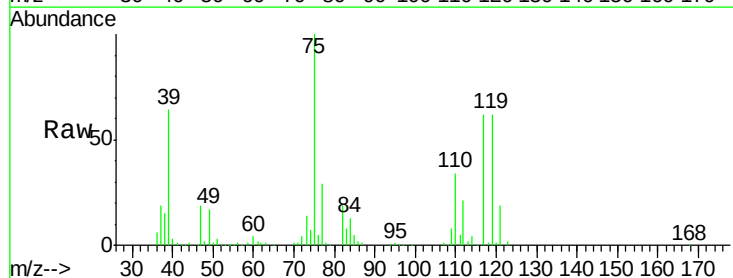
RT: 5.80 min Scan# 762

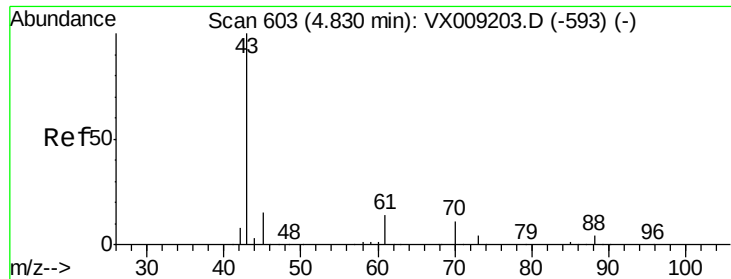
Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Tgt Ion:	75	Resp:	100827
Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	30.6	24.8	37.2





#37

Ethyl Acetate

Concen: 58.180 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

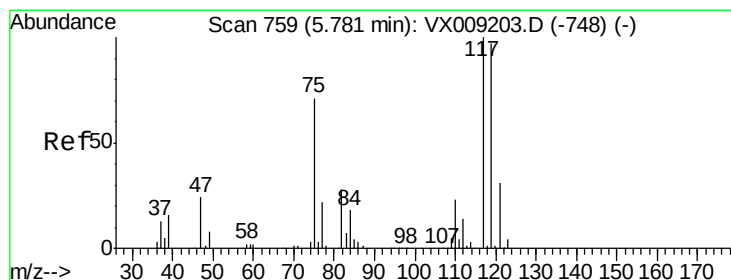
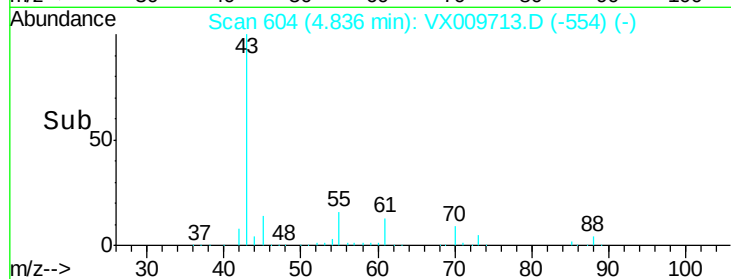
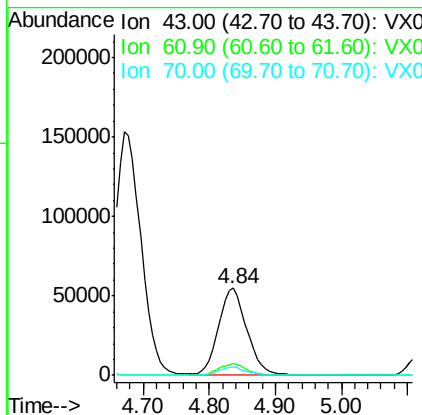
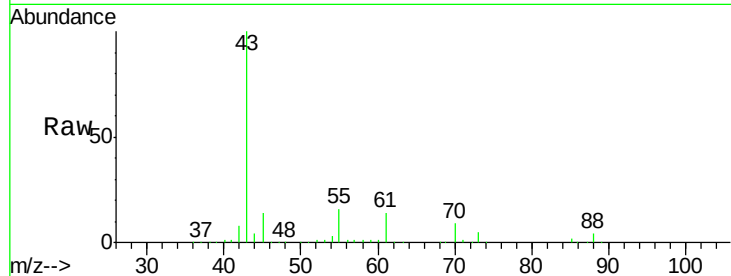
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	162497
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.1	7.9	11.9

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#38

Carbon Tetrachloride

Concen: 51.075 ug/l

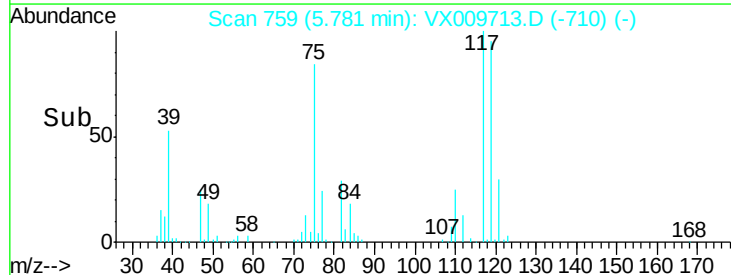
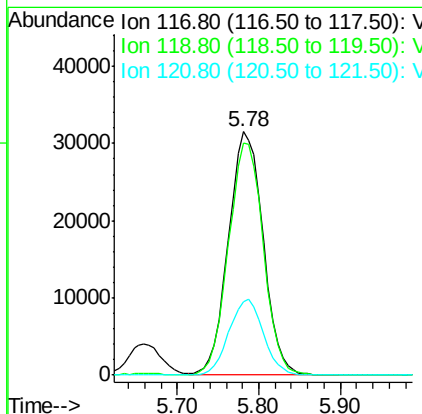
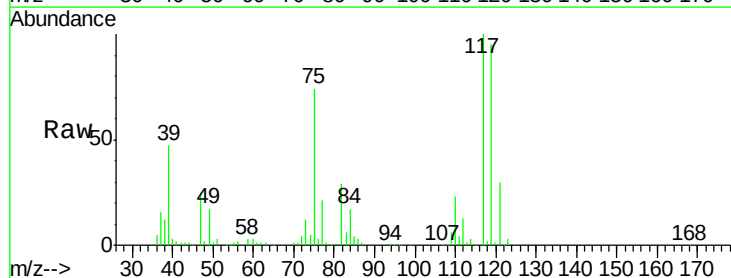
RT: 5.78 min Scan# 759

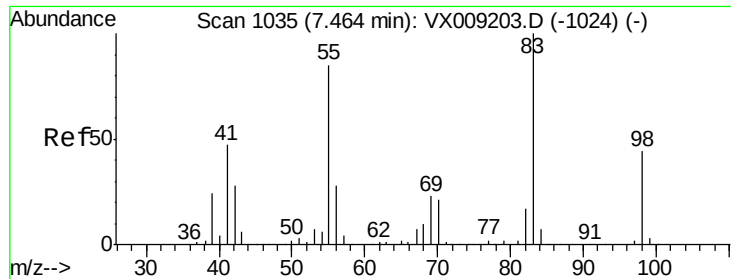
Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Tgt Ion:	117	Resp:	93024
Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.5	116.3
121	30.1	24.7	37.1





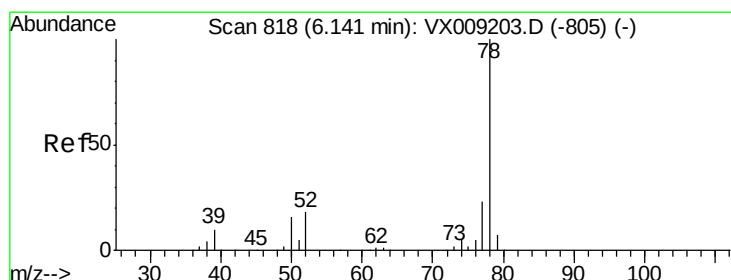
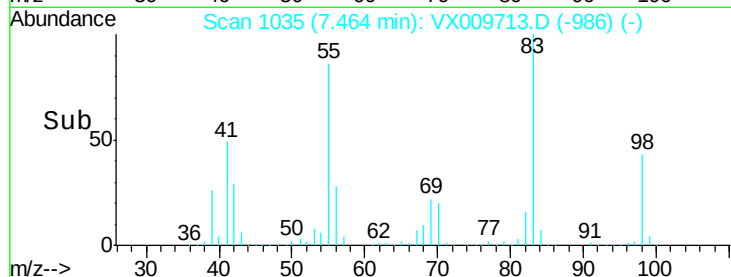
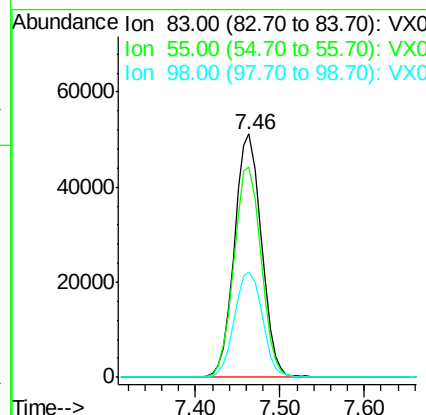
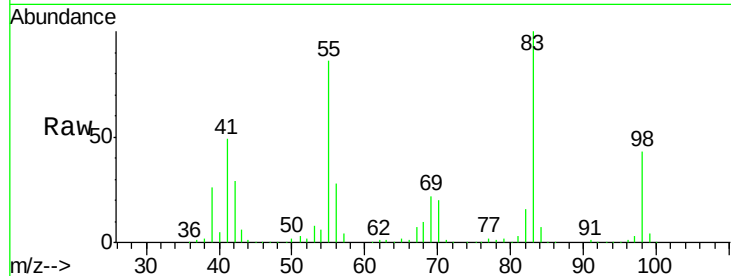
#39
Methylvlcyclohexane
Concen: 44.959 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.3	67.7	101.5
98	43.3	35.5	53.3

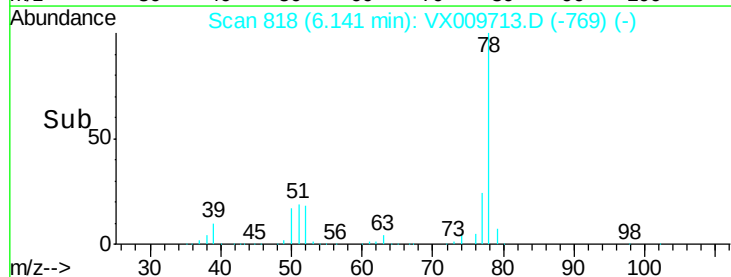
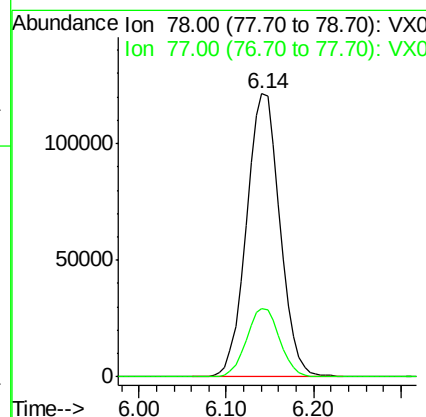
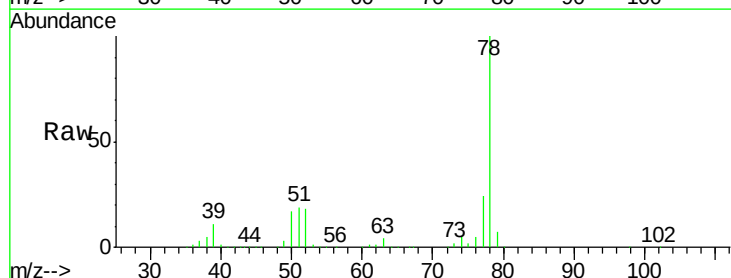
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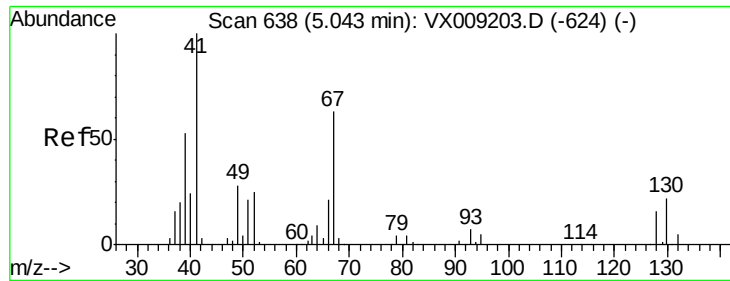
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#40
Benzene
Concen: 51.924 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





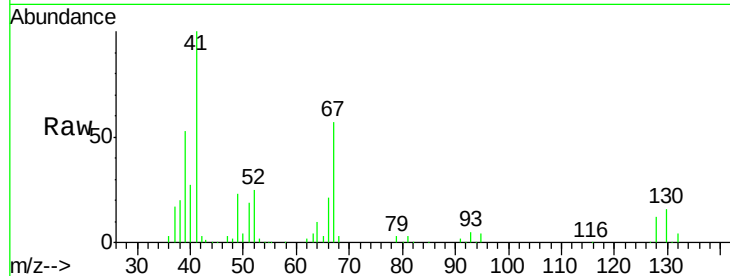
#41
Methacrylonitrile
Concen: 56.586 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

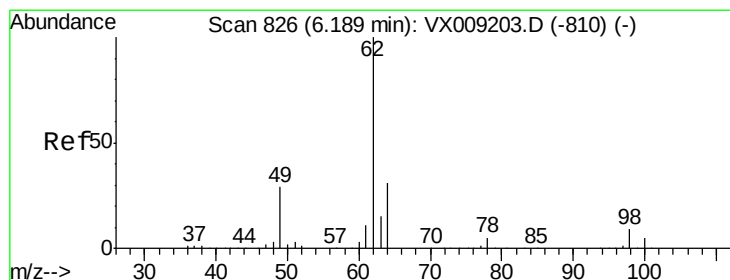
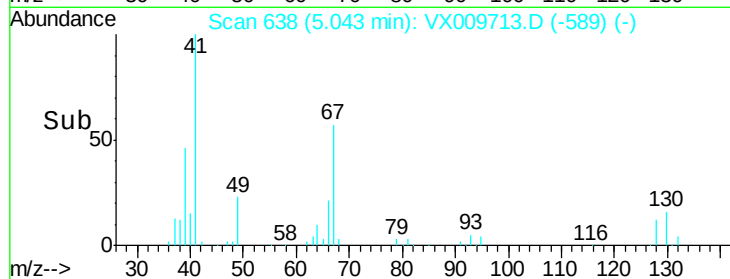
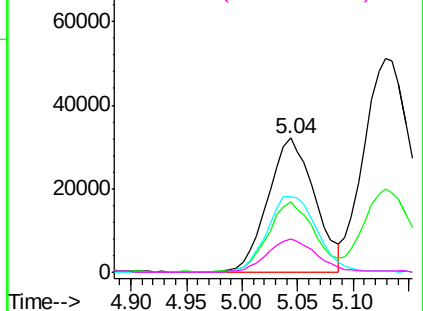
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	42.0	63.0	
67	61.0	49.8	74.8	
52	25.5	20.3	30.5	

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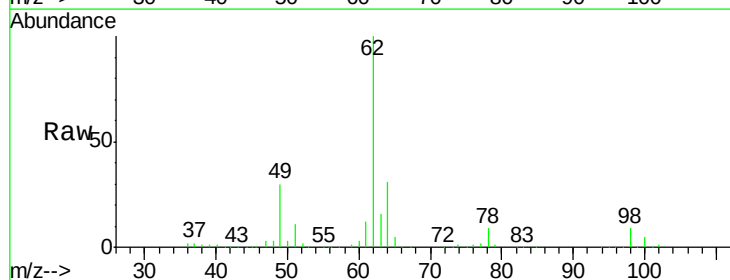


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

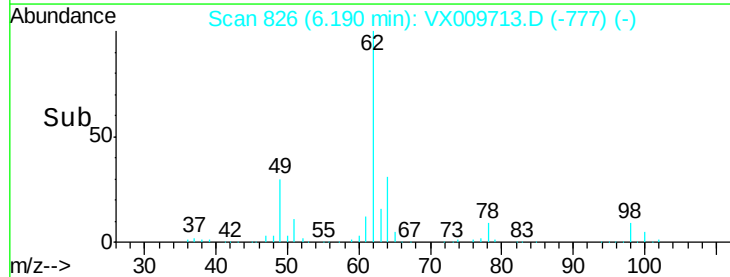
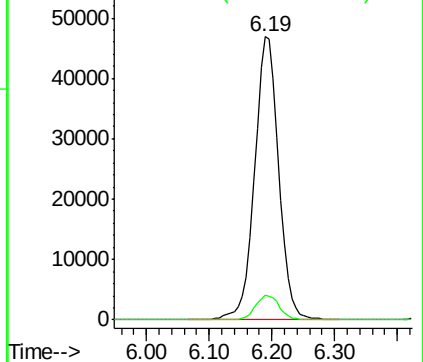


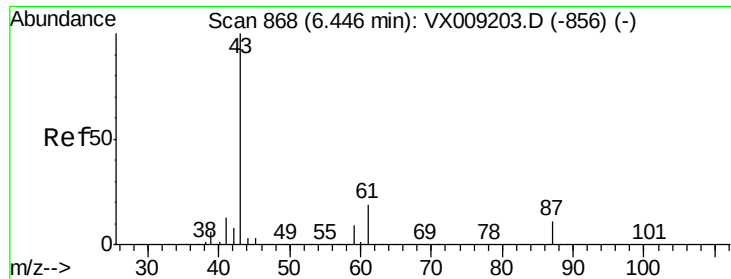
#42
1,2-Dichloroethane
Concen: 55.788 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	18.2	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





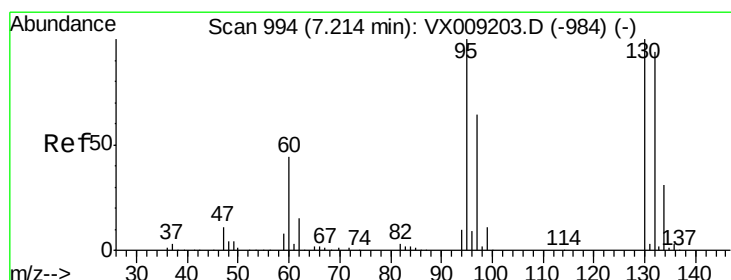
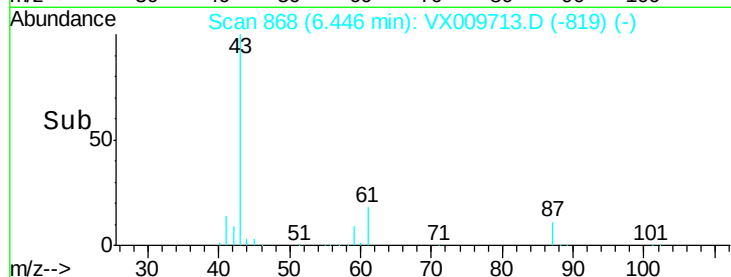
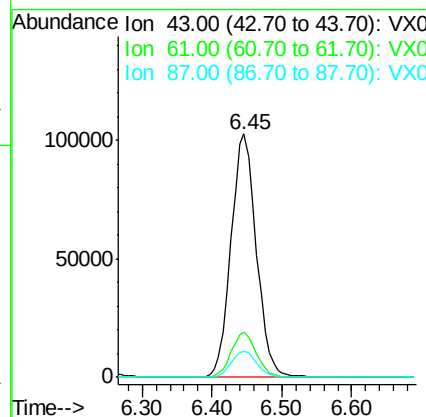
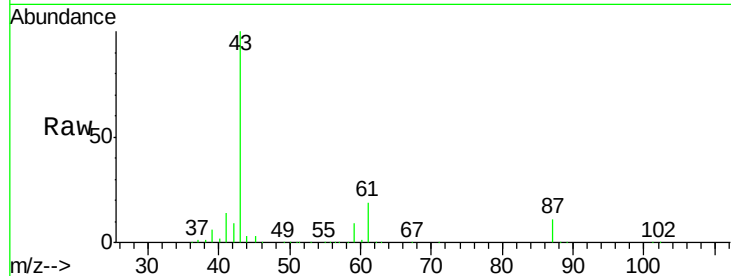
#43
Isopropyl Acetate
Concen: 57.474 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	256768
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	10.9	9.0	13.6

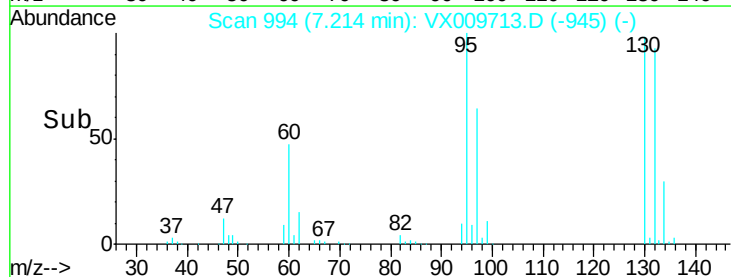
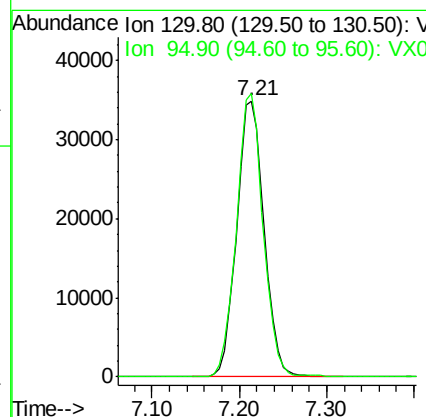
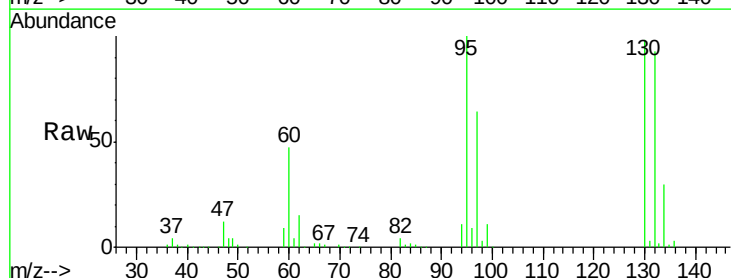
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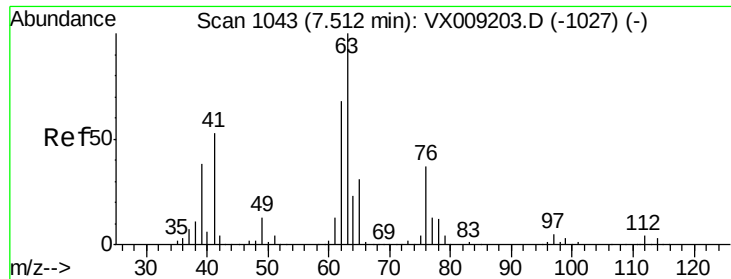
MMDadoda
5/20/2019 10:46:49 AM



#44
Trichloroethene
Concen: 50.632 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion:	130	Resp:	75939
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	199.2





#45

1,2-Dichloropropane

Concen: 53.875 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 94643

Ion Ratio Lower Upper

63 100

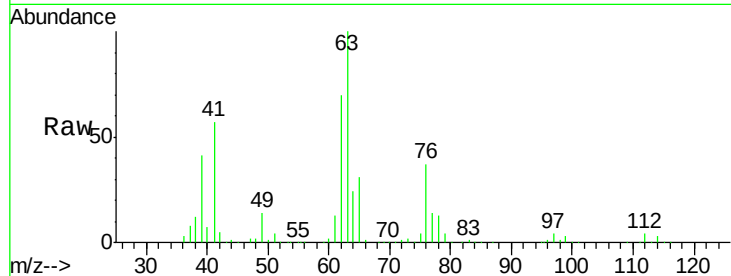
65 31.4 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

50000

40000

30000

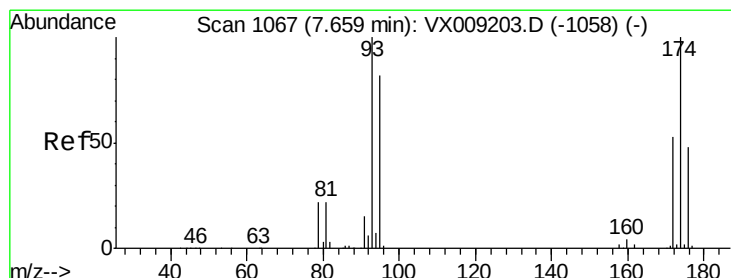
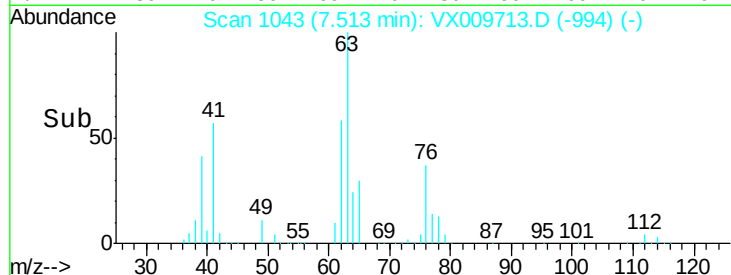
20000

10000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 53.932 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

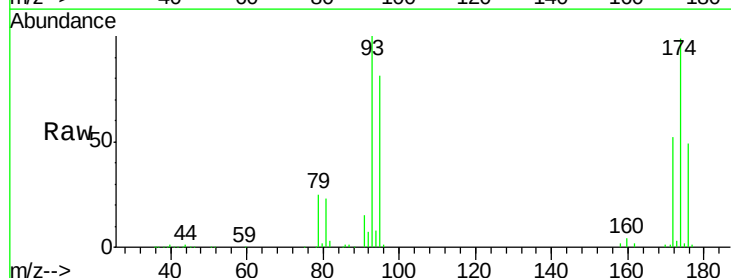
Tgt Ion: 93 Resp: 55018

Ion Ratio Lower Upper

93 100

95 83.0 66.5 99.7

174 103.4 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

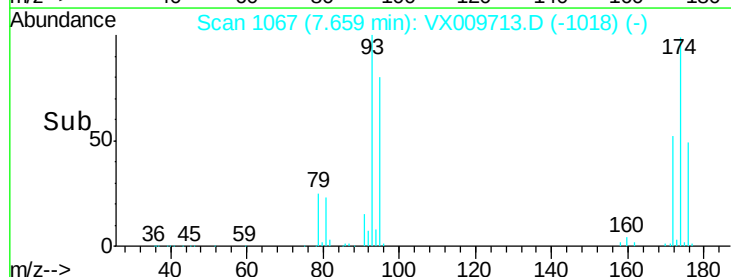
20000

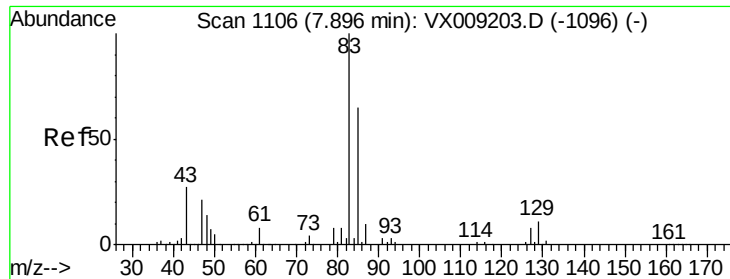
10000

0

Time-->

7.55 7.60 7.65 7.70 7.75





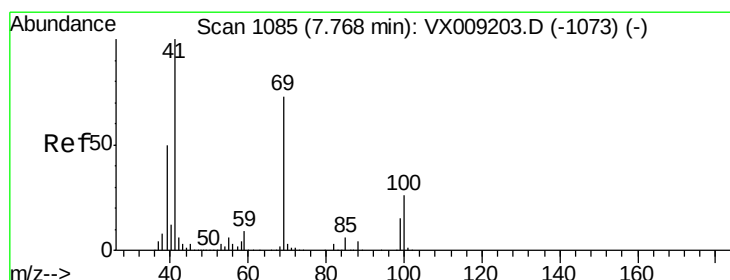
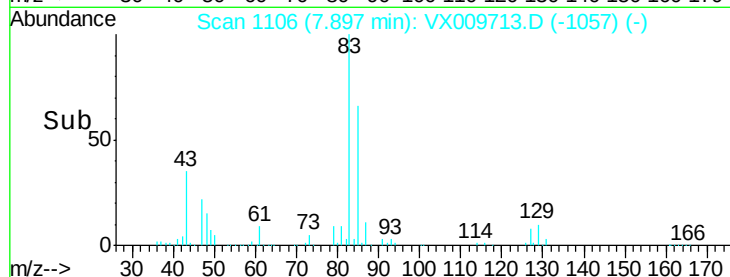
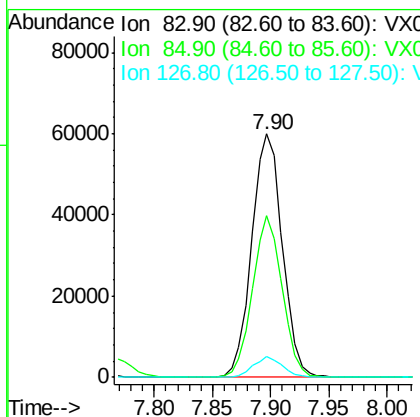
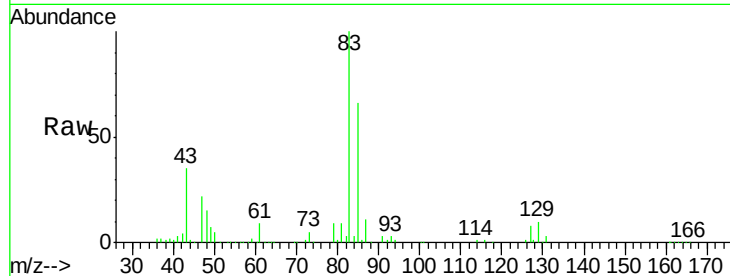
#47
Bromodichloromethane
Concen: 54.056 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	109998		
85	66.4	52.4	78.6	
127	8.5	6.6	10.0	

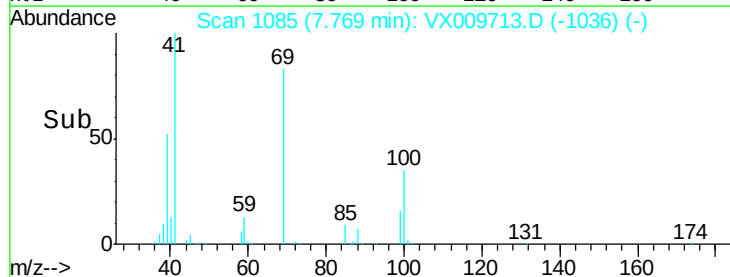
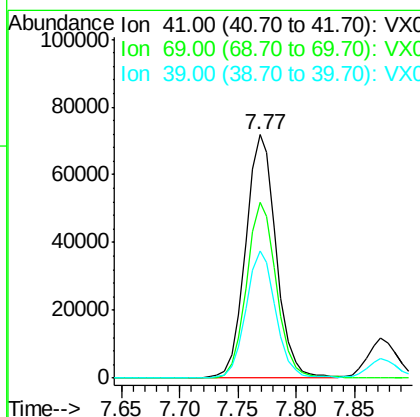
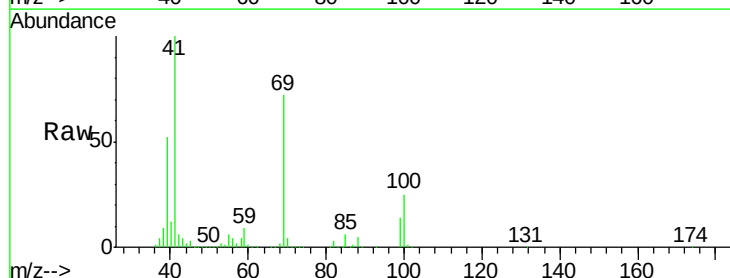
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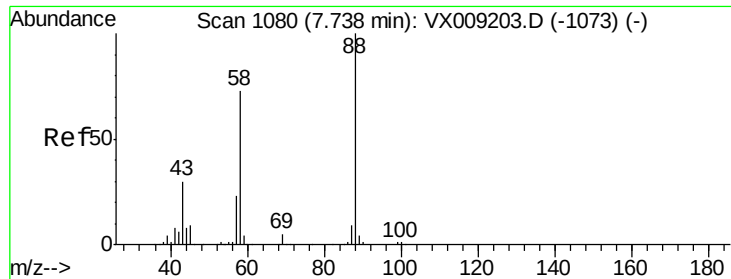
MMDadoda
5/20/2019 10:46:49 AM



#48
Methyl methacrylate
Concen: 58.896 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	130541		
69	71.3	59.1	88.7	
39	51.4	40.4	60.6	





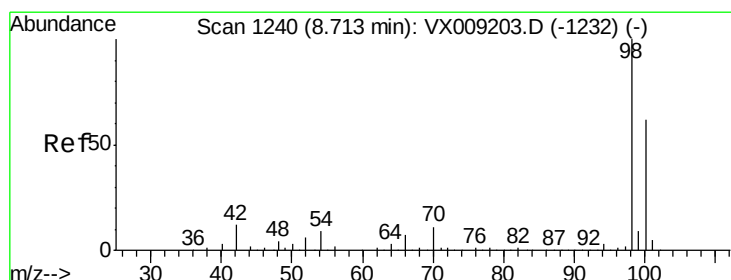
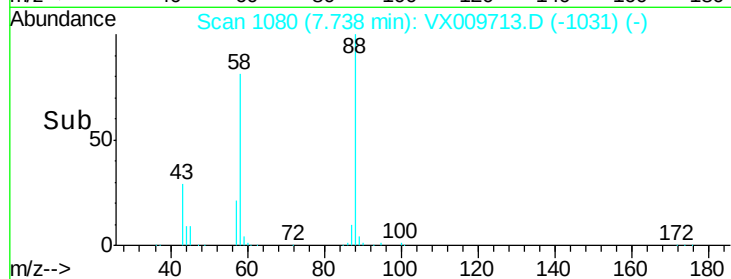
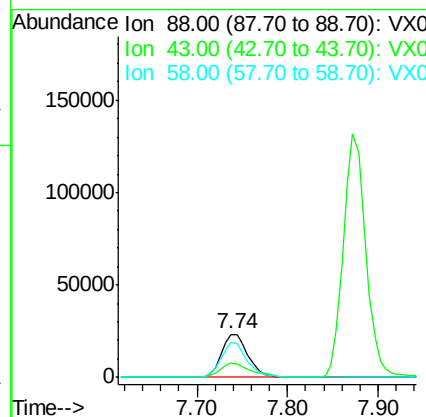
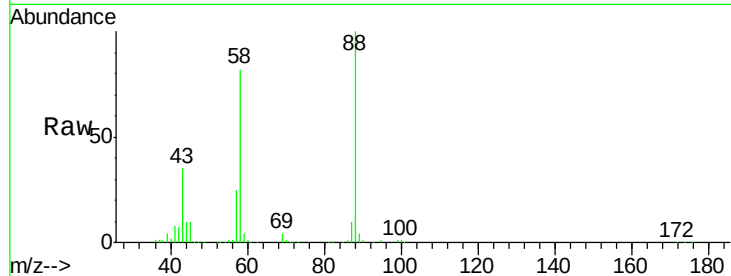
#49
1,4-Dioxane
Concen: 1065.921 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	28.6	42.8
58	79.0	61.7	92.5

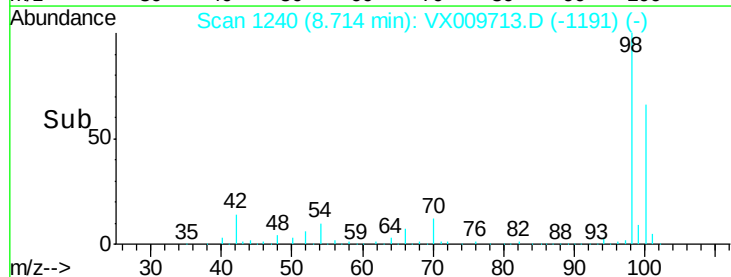
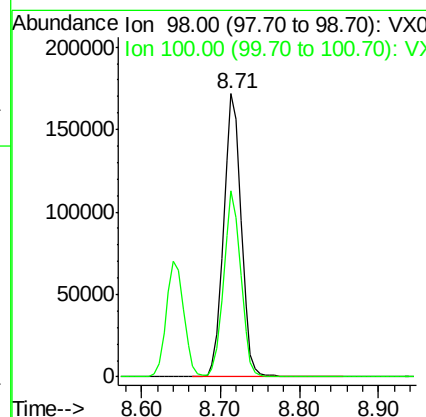
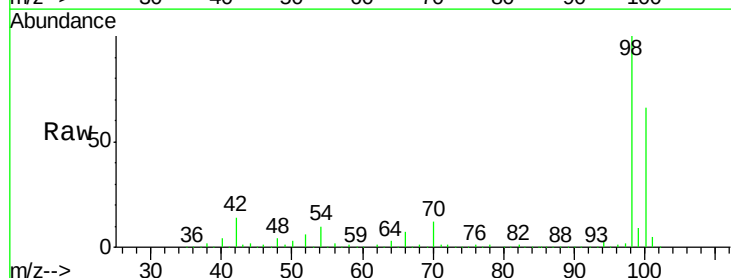
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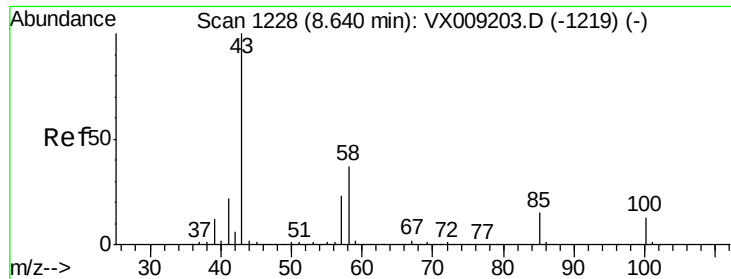
MMDadoda
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#50
Toluene-d8
Concen: 48.724 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 303.346 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 885804

Ion Ratio Lower Upper

43 100

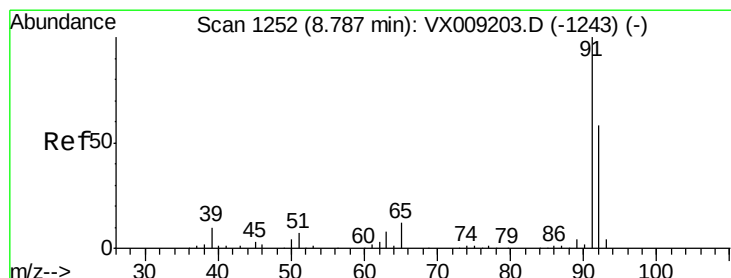
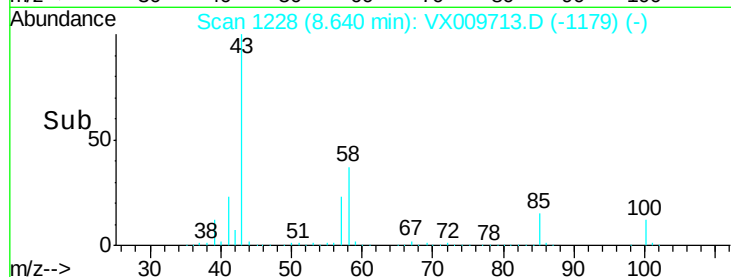
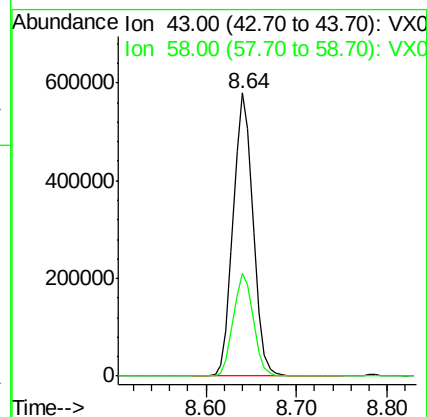
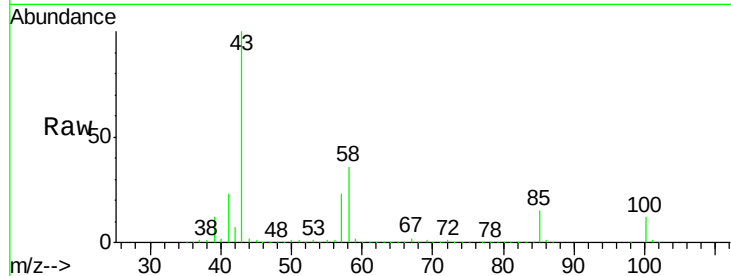
58 36.2 29.5 44.3

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#52

Toluene

Concen: 51.910 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009713.D

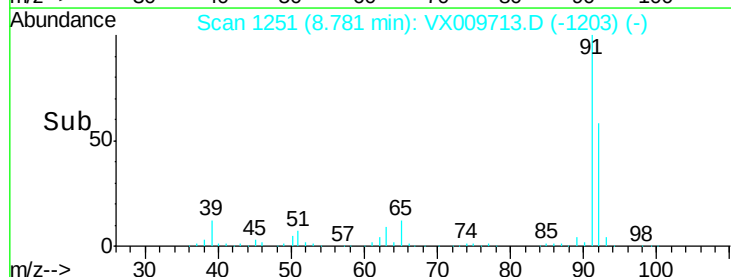
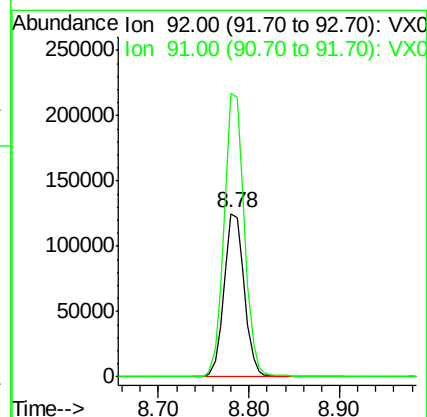
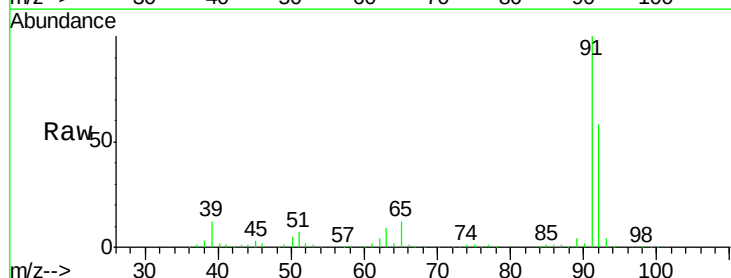
Acq: 18 May 2019 12:30

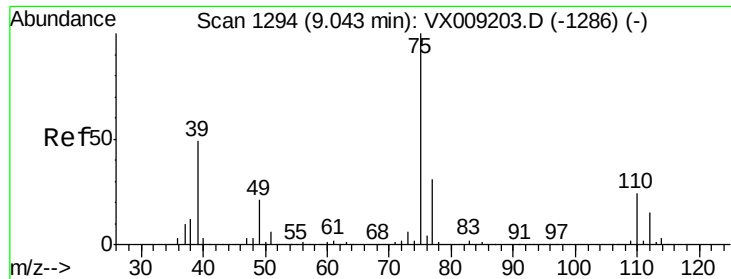
Tgt Ion: 92 Resp: 195763

Ion Ratio Lower Upper

92 100

91 173.9 138.8 208.2





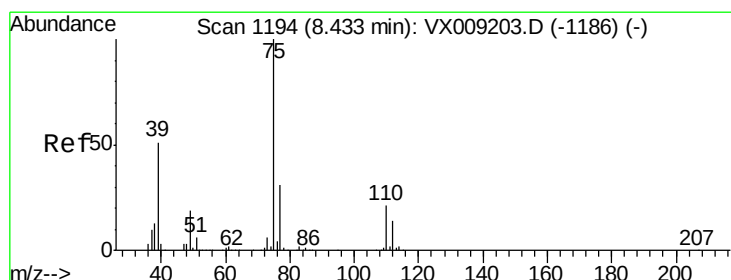
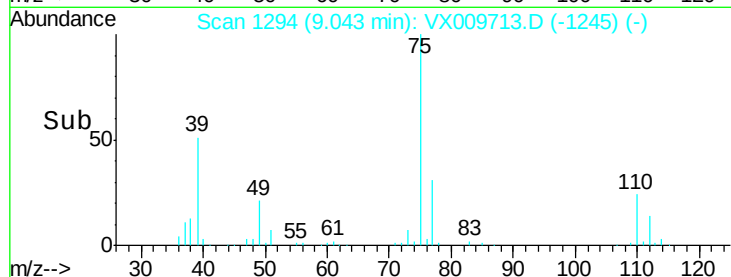
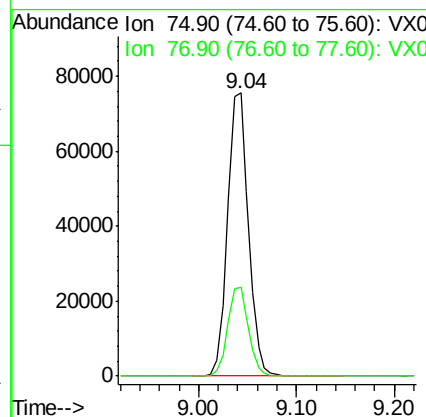
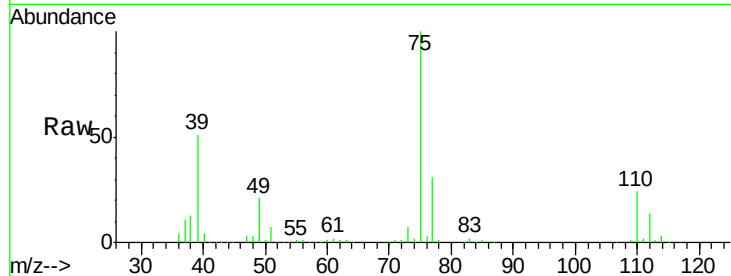
#53
t-1,3-Dichloropropene
Concen: 48.785 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 112079
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

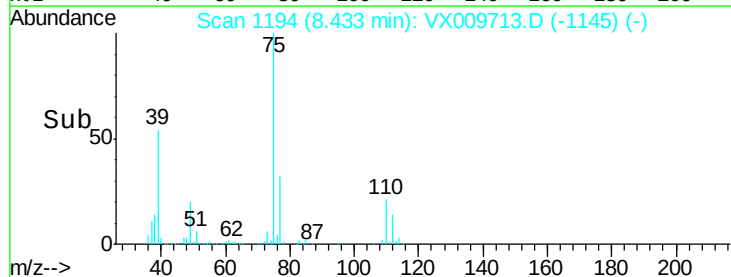
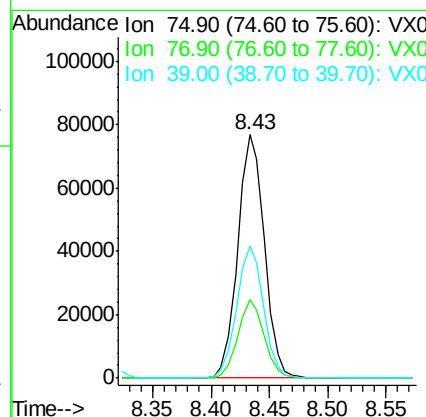
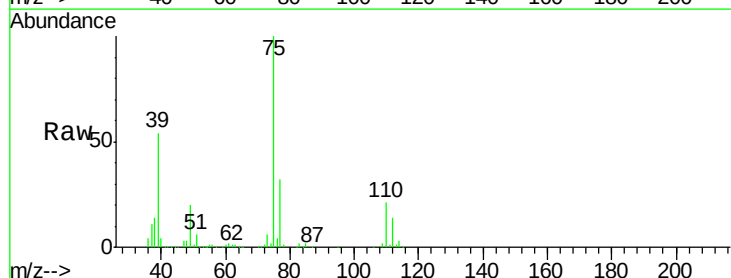
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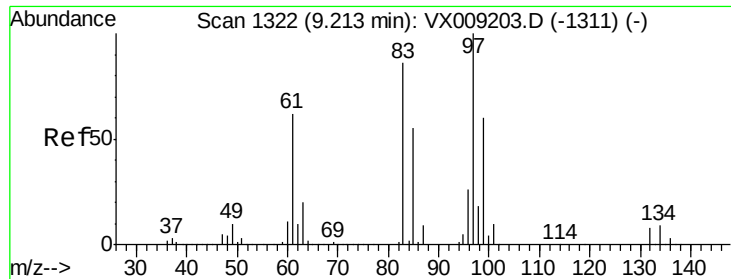
MMDadoda
5/20/2019 10:46:49 AM



#54
cis-1,3-Dichloropropene
Concen: 48.160 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion: 75 Resp: 122466
Ion Ratio Lower Upper
75 100
77 32.3 24.6 36.8
39 54.0 40.6 60.8





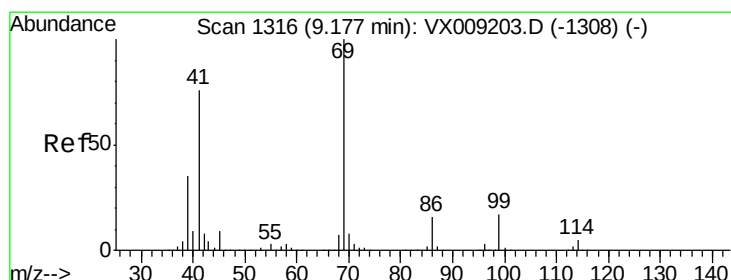
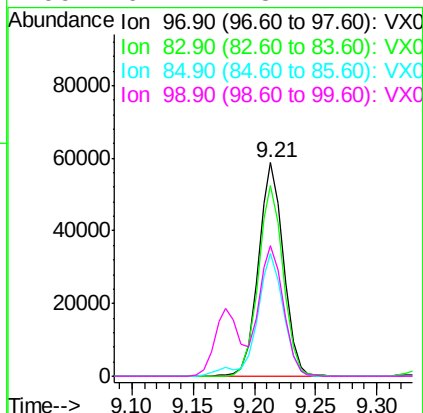
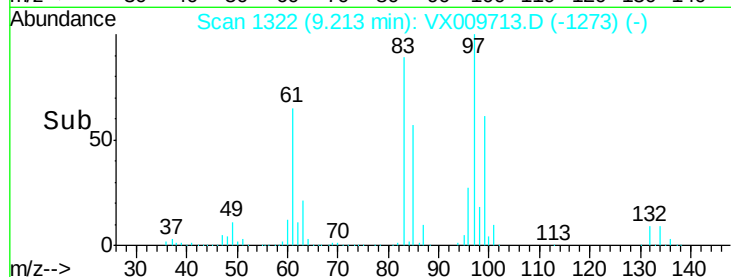
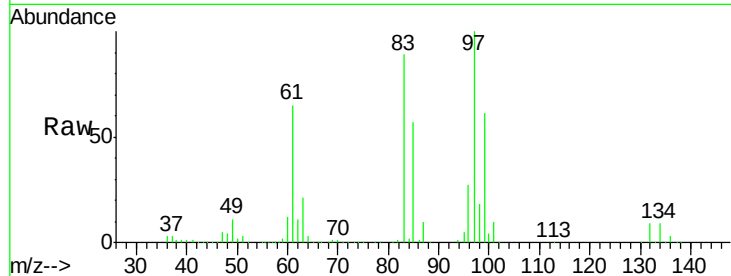
#55
 1,1,2-Trichloroethane
 Concen: 54.997 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	84615
Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.9	103.3
85	57.4	43.8	65.6
99	61.4	48.2	72.2

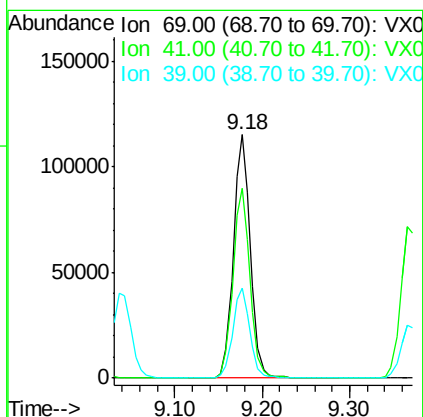
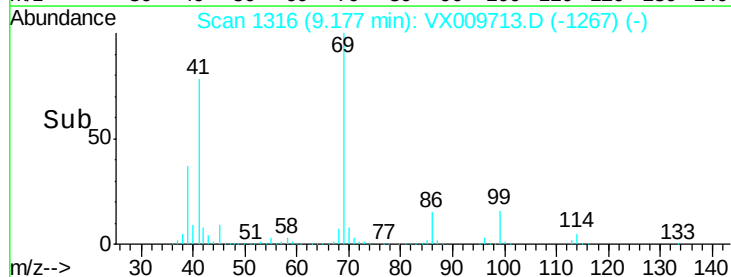
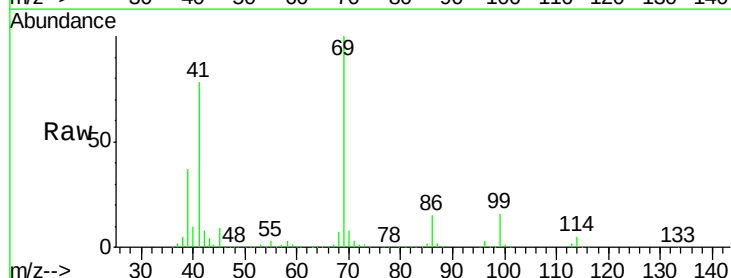
Manual Integrations
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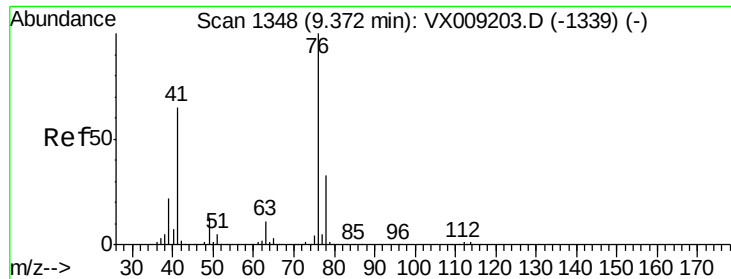
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#56
 Ethyl methacrylate
 Concen: 57.042 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Tgt Ion:	69	Resp:	156658
Ion	Ratio	Lower	Upper
69	100		
41	78.1	60.6	90.8
39	36.9	28.2	42.4





#57

1,3-Dichloropropane

Concen: 54.698 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 148091

Ion Ratio Lower Upper

76 100

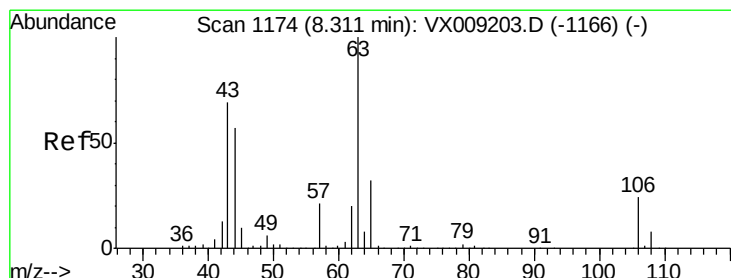
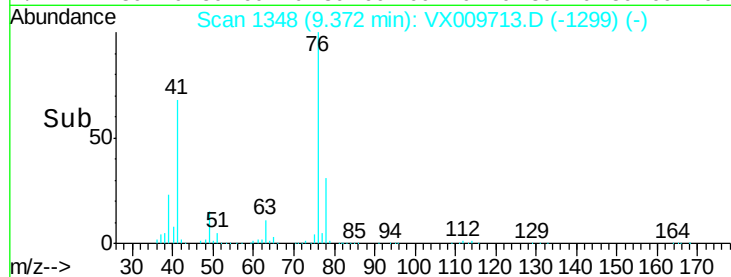
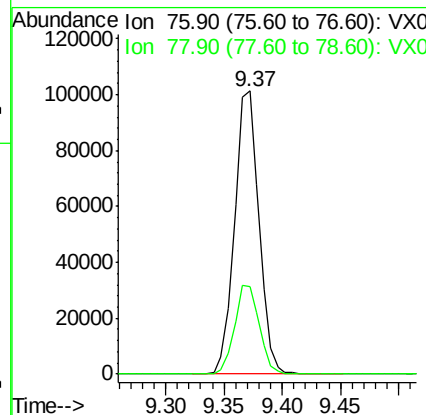
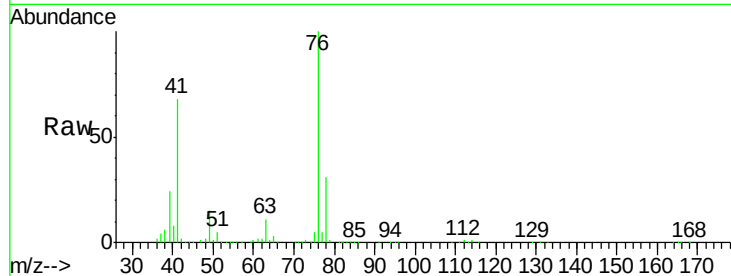
78 31.8 25.5 38.3

Manual Integrations

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5/20/2019 10:46:49 AM



#58

2-Chloroethyl Vinyl ether

Concen: 227.638 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009713.D

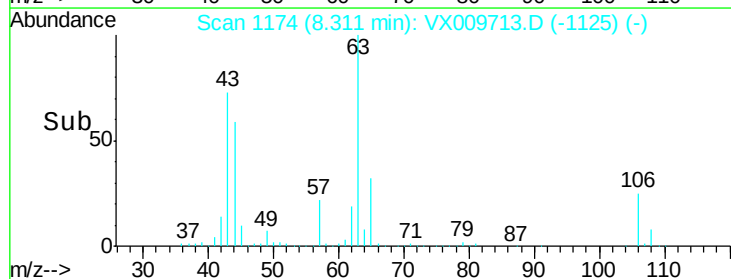
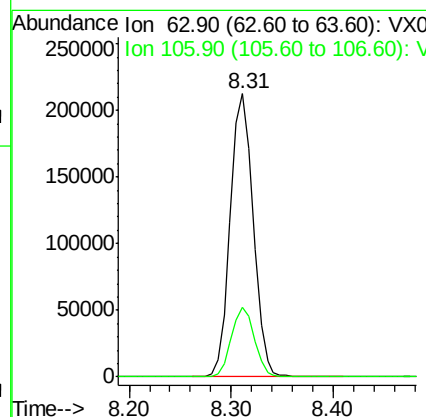
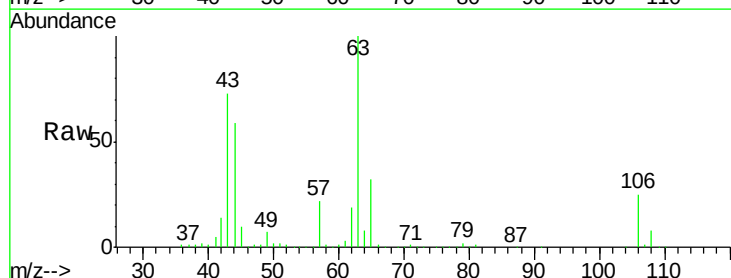
Acq: 18 May 2019 12:30

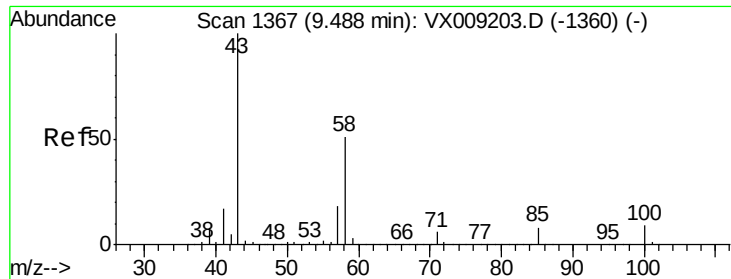
Tgt Ion: 63 Resp: 331657

Ion Ratio Lower Upper

63 100

106 24.6 19.7 29.5





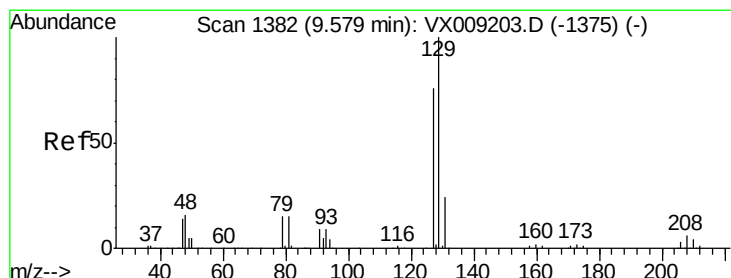
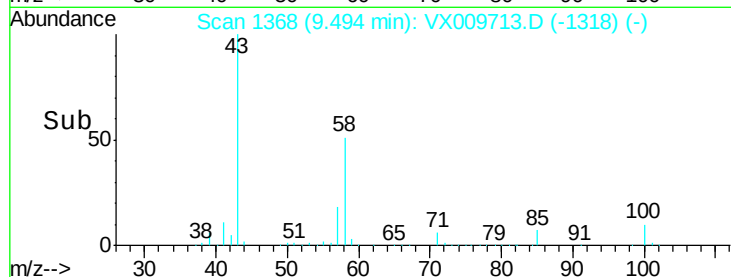
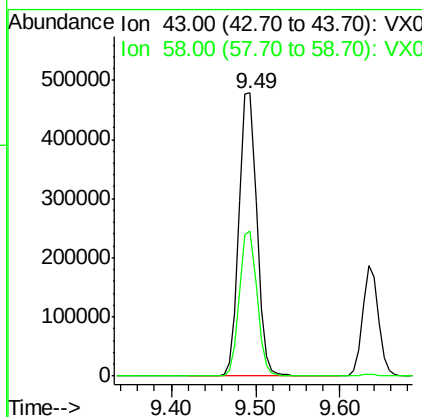
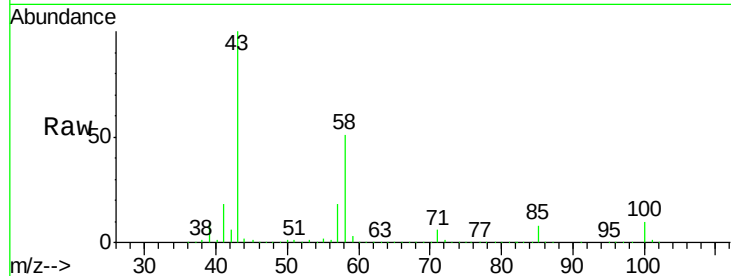
#59
2-Hexanone
Concen: 295.840 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 678484
Ion Ratio Lower Upper
43 100
58 50.6 25.9 77.7

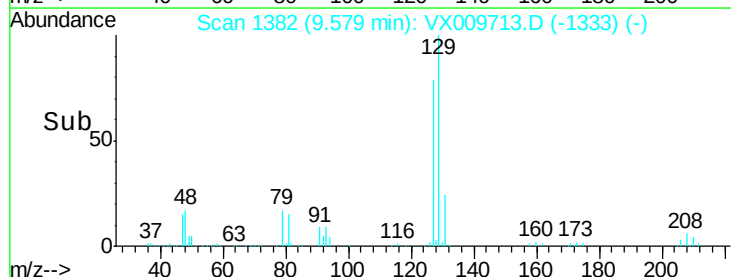
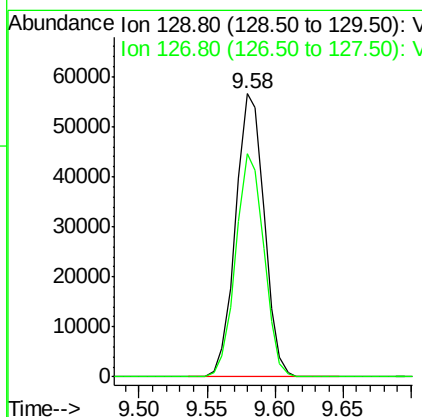
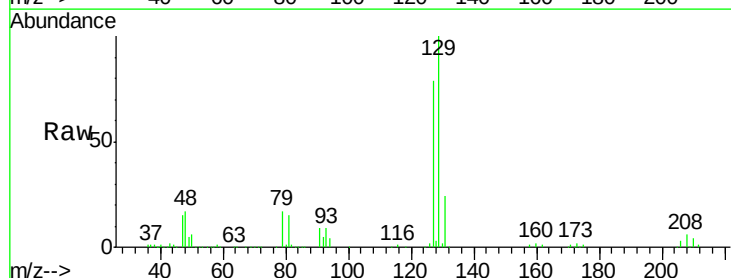
Manual Integrations
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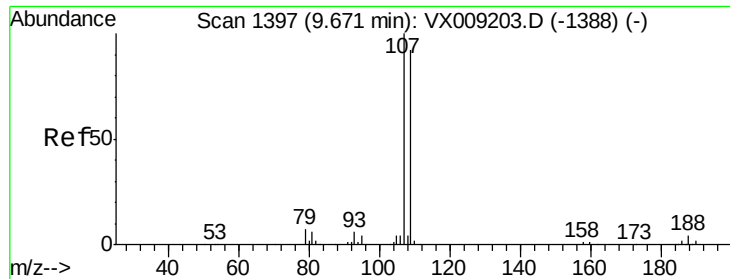
MMDadoda
5/20/2019 10:46:49 AM



#60
Dibromochloromethane
Concen: 55.397 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion: 129 Resp: 83243
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 55.003 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 85423

Ion Ratio Lower Upper

107 100

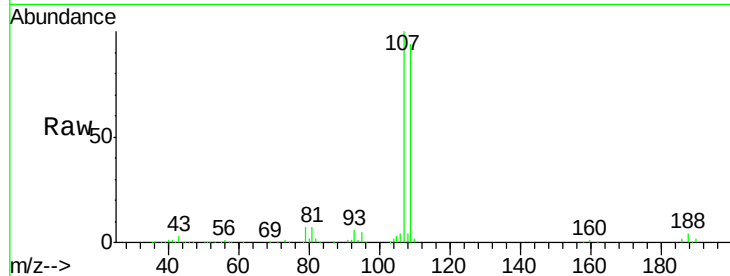
109 93.2 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

60000

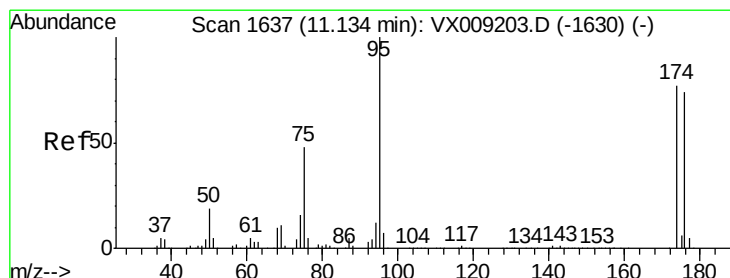
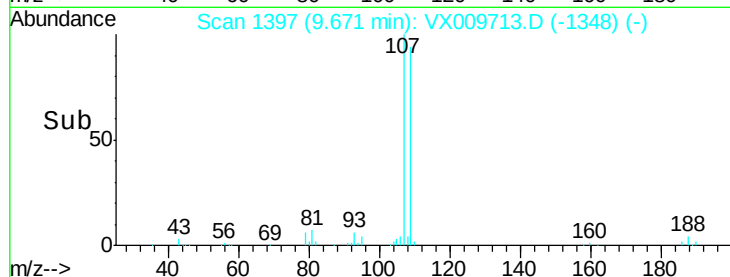
40000

20000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 50.723 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

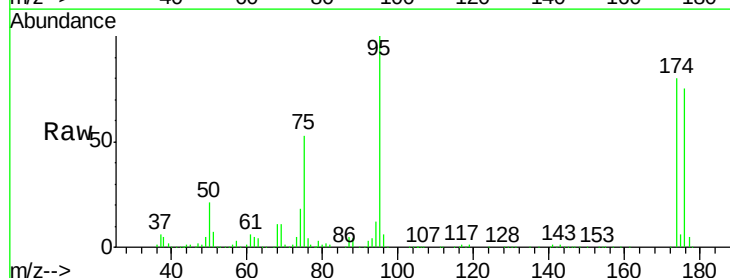
Tgt Ion: 95 Resp: 100902

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

176 79.6 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

100000

80000

60000

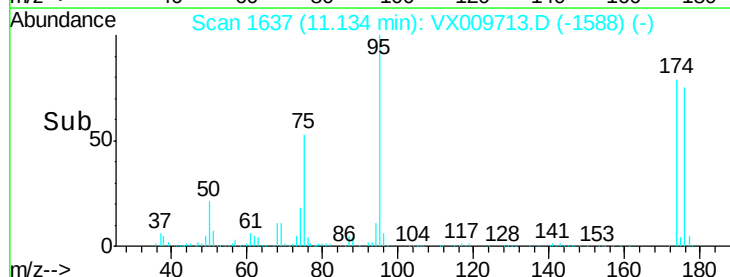
40000

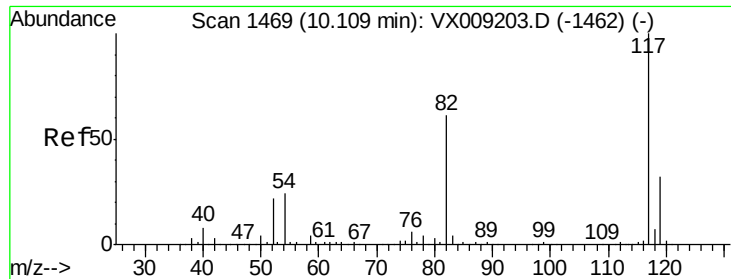
20000

0

Time-->

11.10 11.20





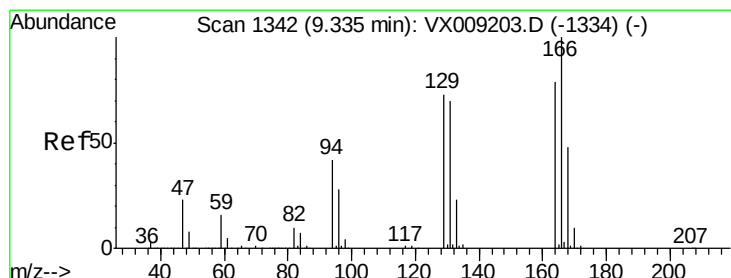
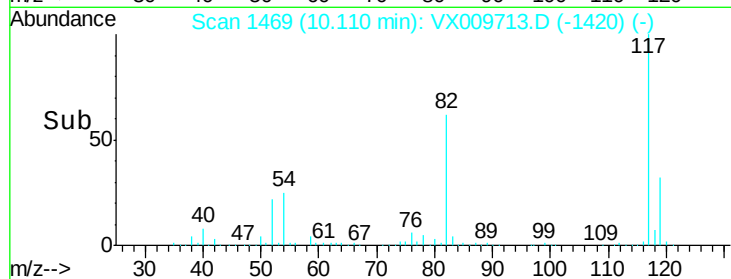
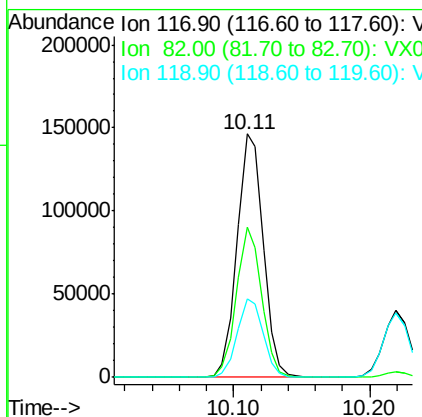
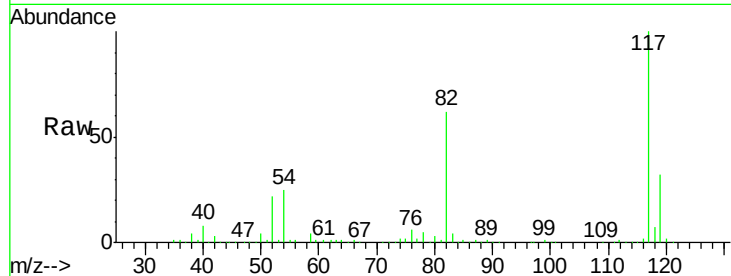
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	48.8	73.2
119	32.1	25.8	38.6

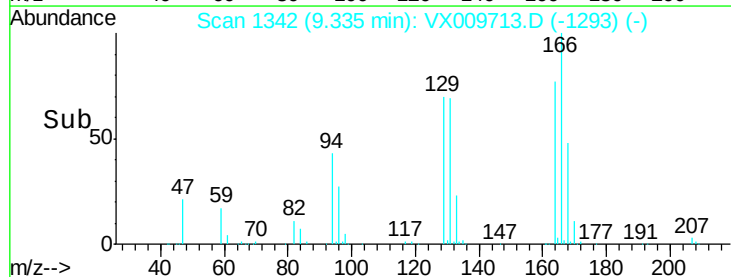
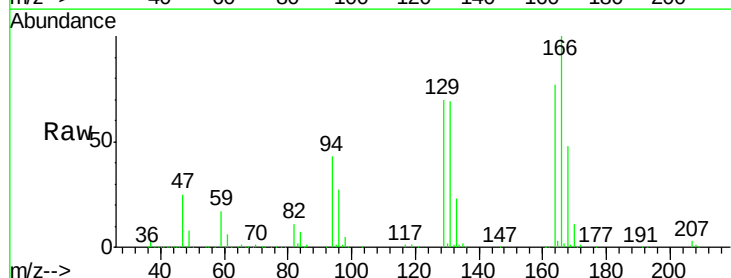
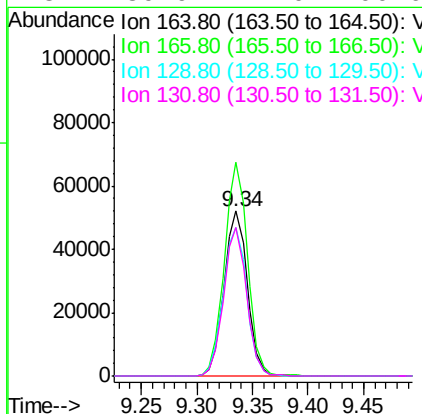
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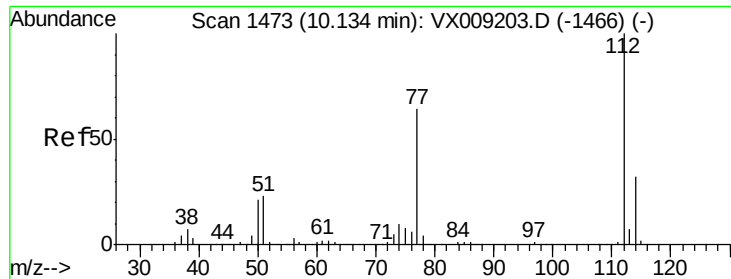
MMDadoda
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#64
Tetrachloroethene
Concen: 55.946 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.2	151.8
129	90.2	74.3	111.5
131	89.9	71.0	106.6





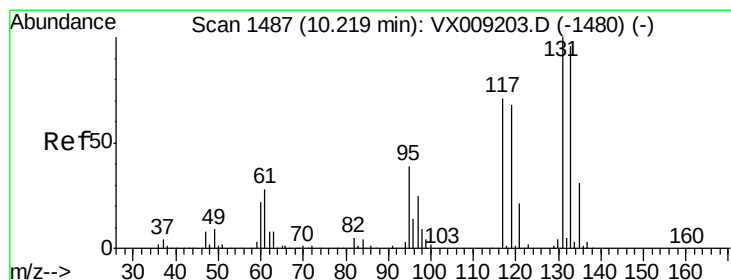
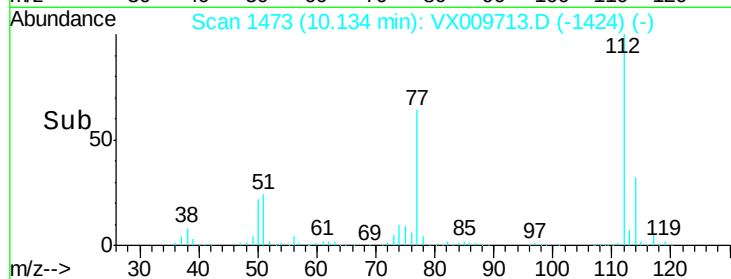
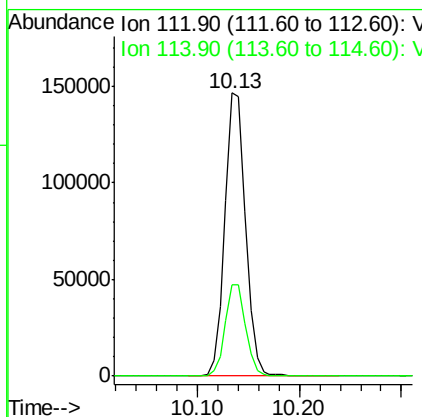
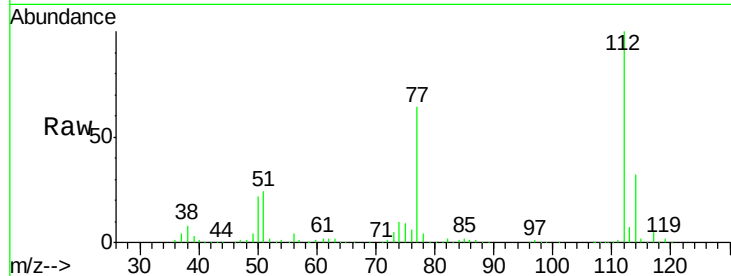
#65
Chlorobenzene
Concen: 52.130 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 205558
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3

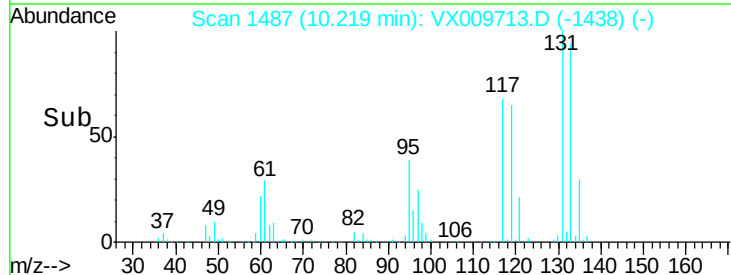
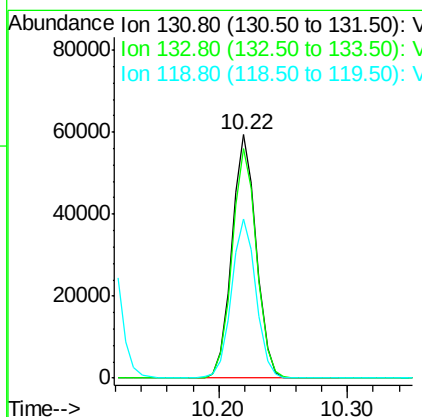
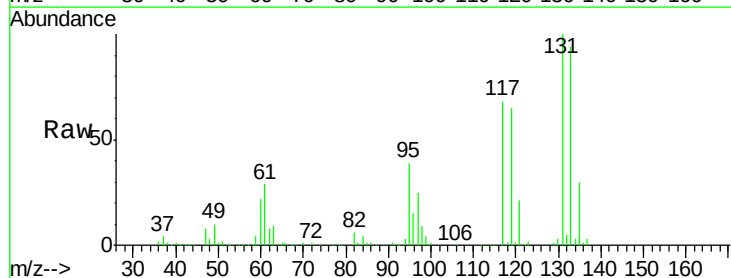
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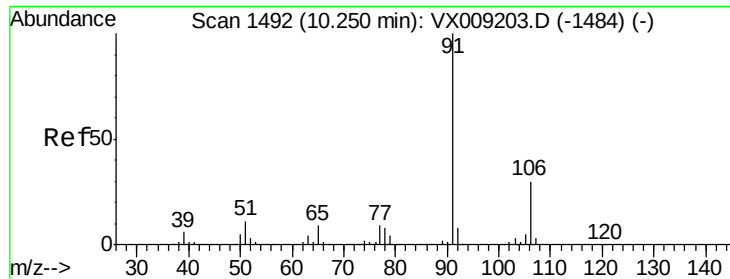
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.856 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion:131 Resp: 78421
Ion Ratio Lower Upper
131 100
133 94.9 47.7 143.1
119 66.1 33.5 100.4





#67

Ethyl Benzene

Concen: 51.973 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 377167

Ion Ratio Lower Upper

91 100

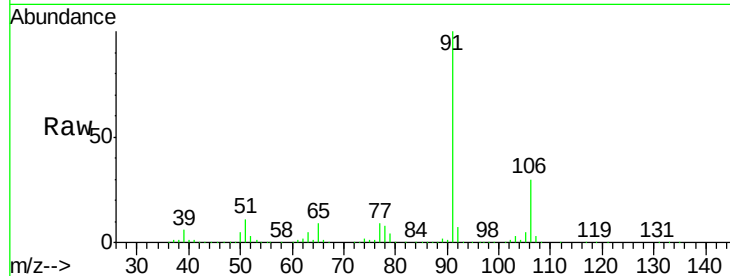
106 30.2 24.0 36.0

Manual Integrations

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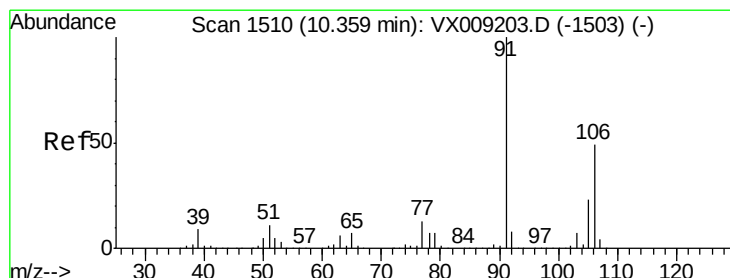
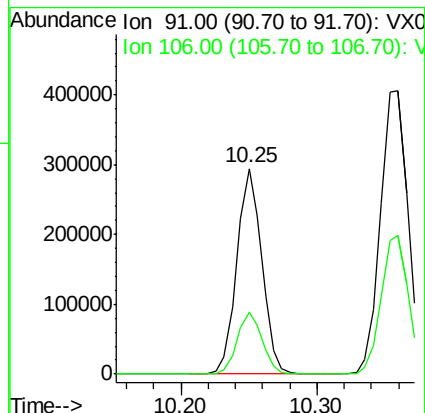
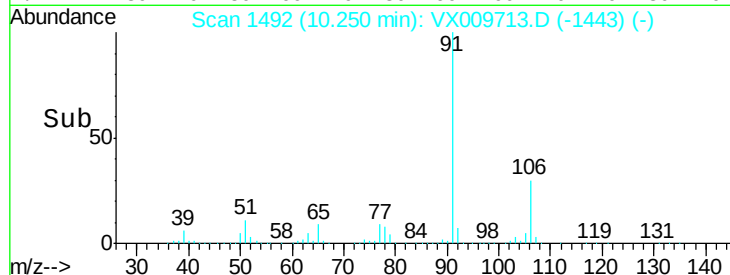
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Abundance Ion 91.00 (90.70 to 91.70): VX009713.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX009713.D (-1443) (-)



#68

m/p-Xylenes

Concen: 103.933 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009713.D

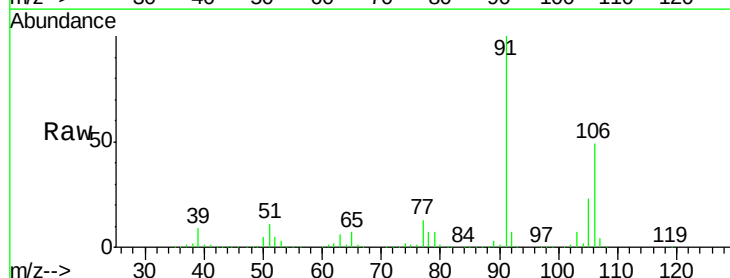
Acq: 18 May 2019 12:30

Tgt Ion: 106 Resp: 275622

Ion Ratio Lower Upper

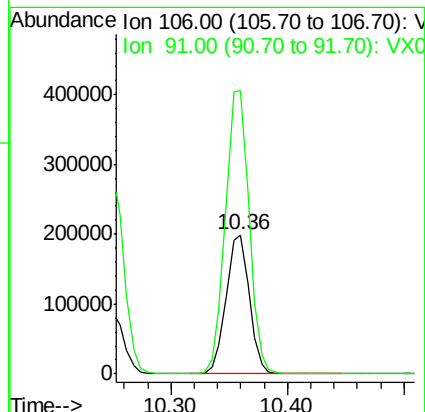
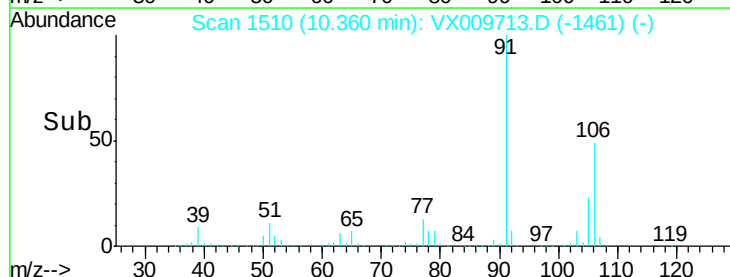
106 100

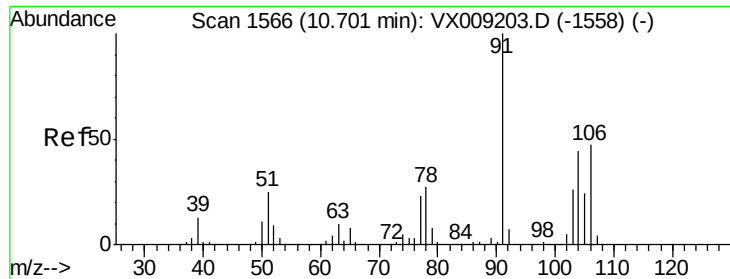
91 208.2 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009713.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX009713.D (-1461) (-)





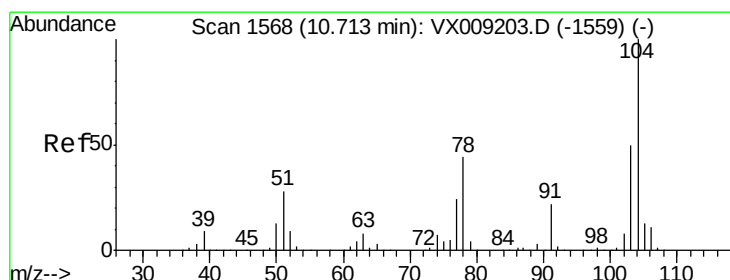
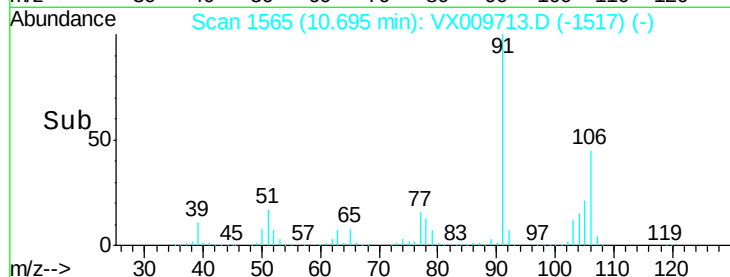
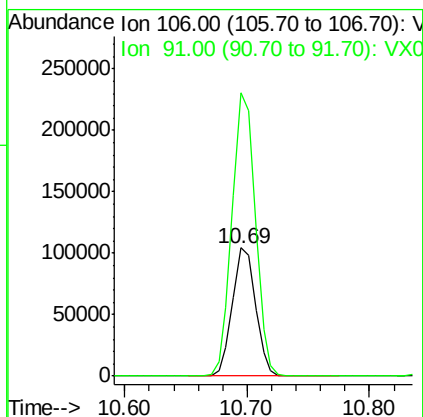
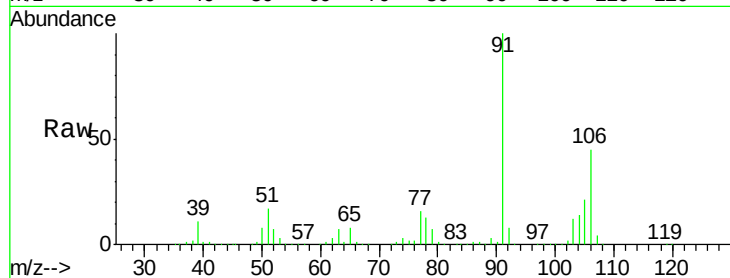
#69
o-Xylene
Concen: 52.576 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 137565
Ion Ratio Lower Upper
106 100
91 220.6 109.5 328.4

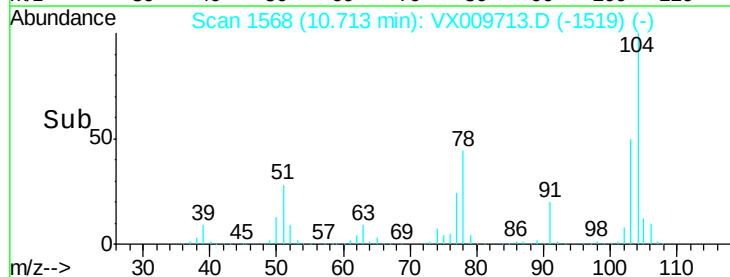
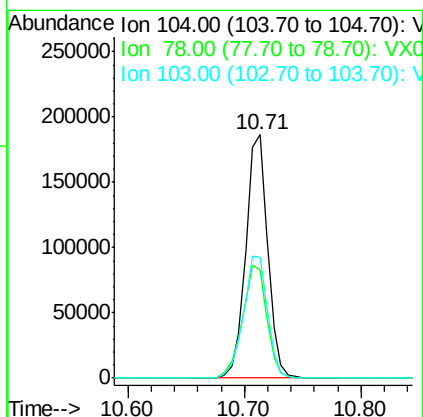
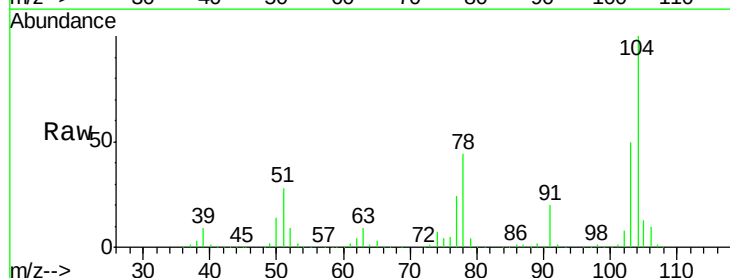
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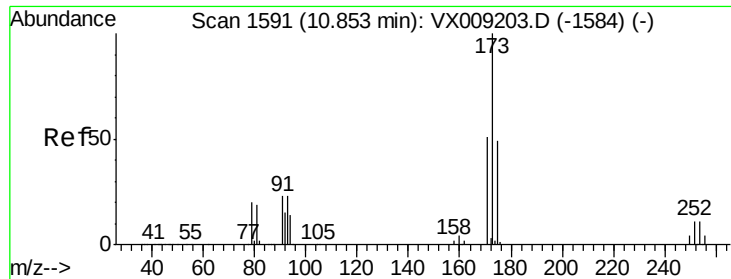
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#70
Styrene
Concen: 54.116 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion:104 Resp: 246103
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.4
103 55.4 43.8 65.6





#71

Bromoform

Concen: 56.635 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 65795

Ion Ratio Lower Upper

173 100

175 48.1 24.5 73.5

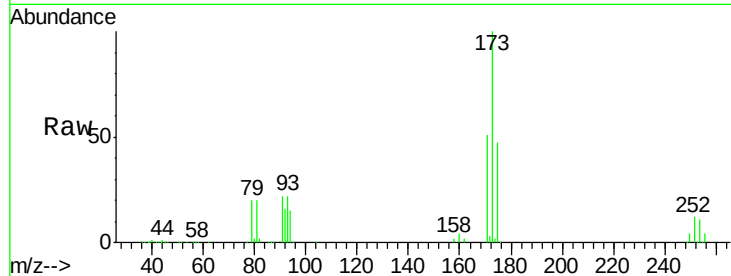
254 0.1 0.1 0.1

Manual Integrations

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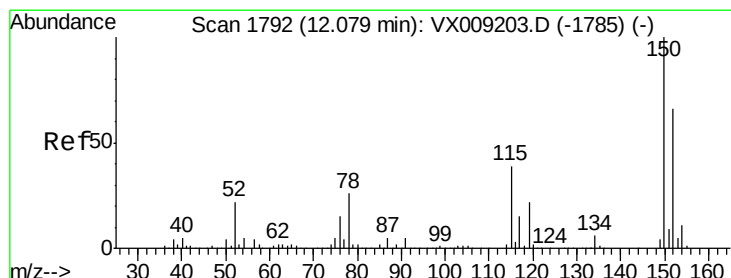
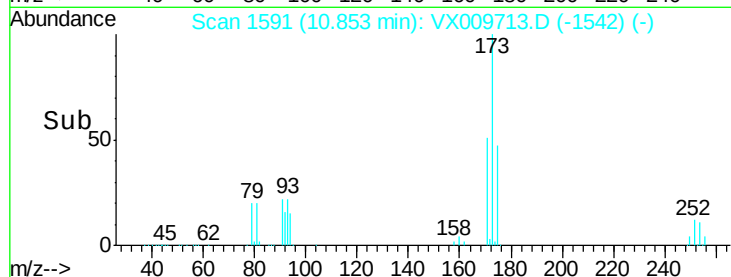
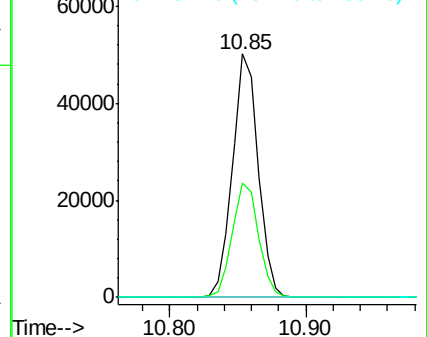
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

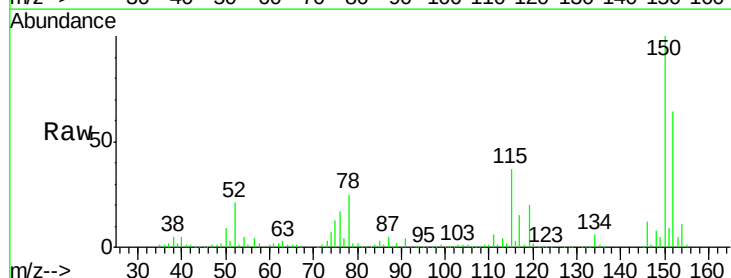
Tgt Ion:152 Resp: 98215

Ion Ratio Lower Upper

152 100

115 82.2 41.2 123.6

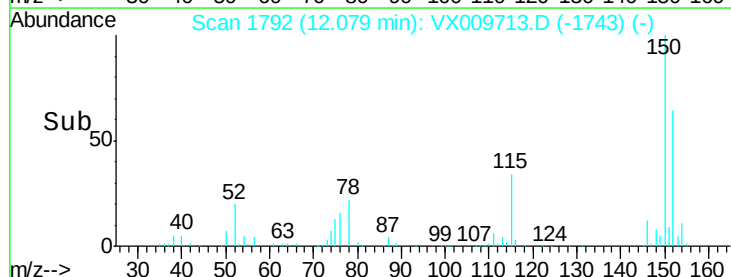
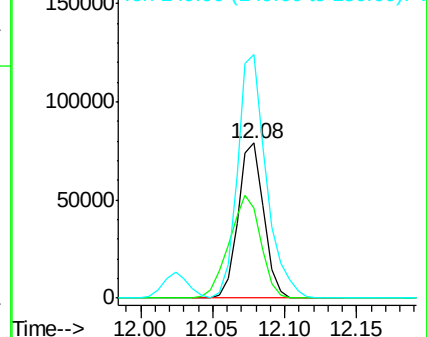
150 175.3 0.0 346.4

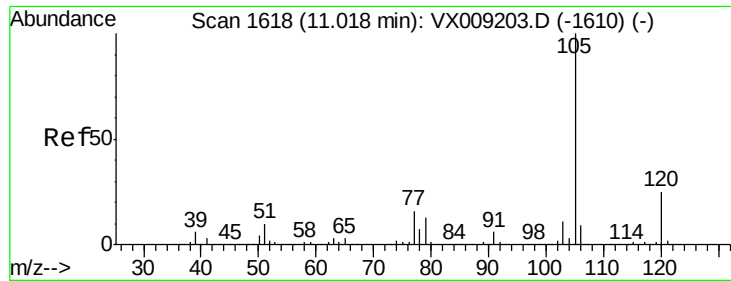


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.366 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 366857

Ion Ratio Lower Upper

105 100

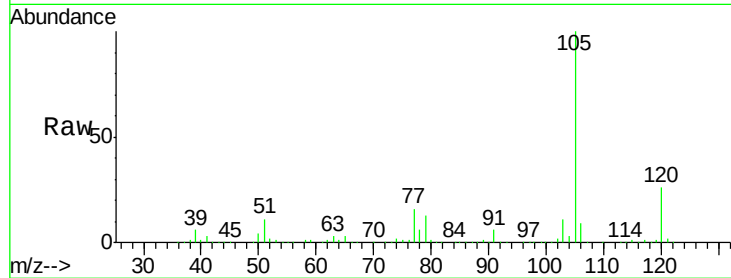
120 25.8 12.8 38.3

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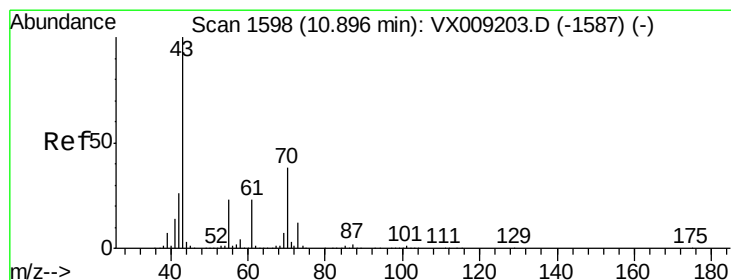
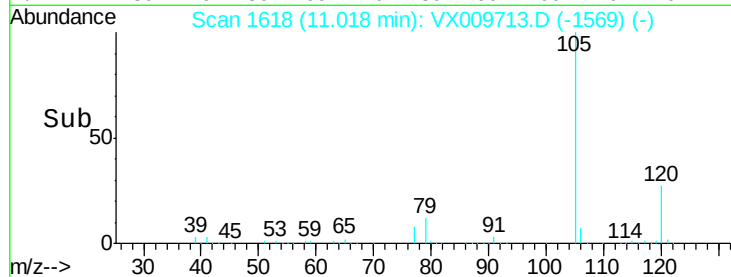
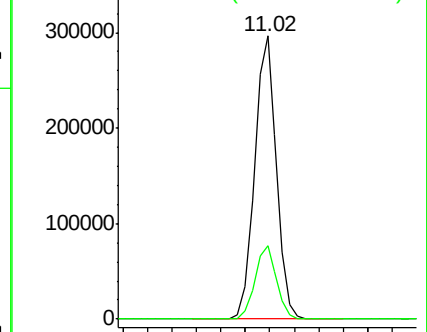
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.323 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Tgt Ion: 43 Resp: 234524

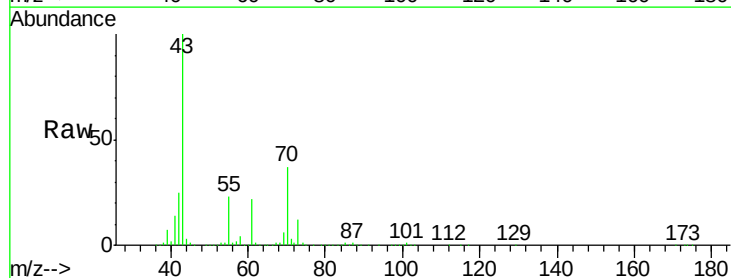
Ion Ratio Lower Upper

43 100

70 36.7 30.0 45.0

55 22.8 17.9 26.9

61 22.3 18.4 27.6

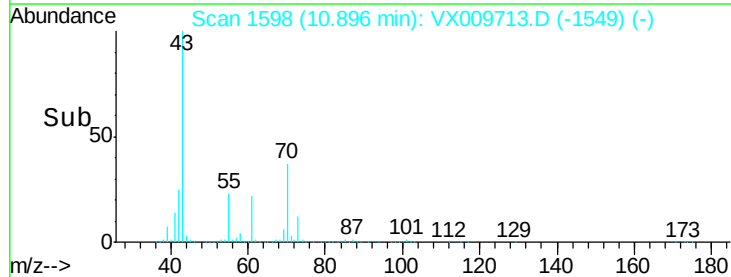
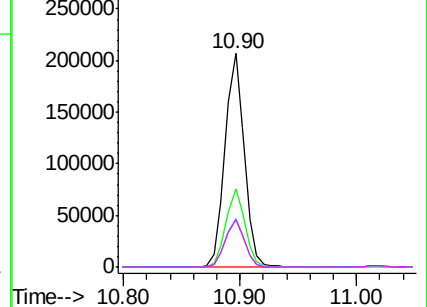


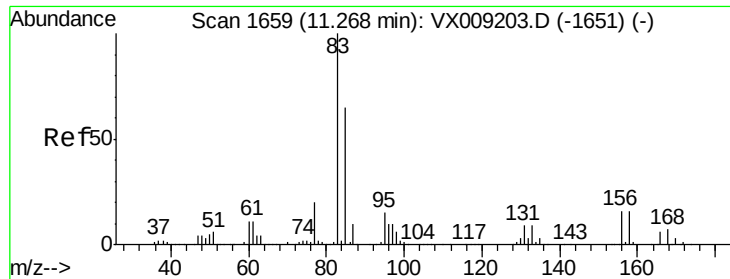
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.230 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

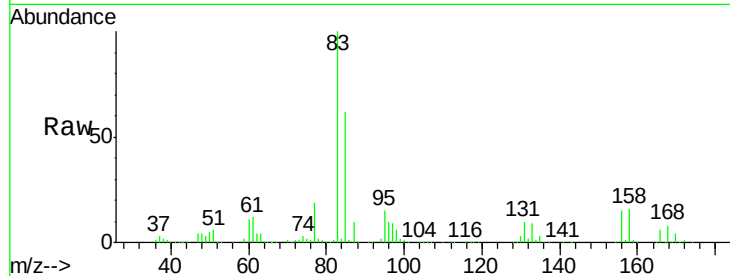
ClientSampleId :

VSTDCCC050EC

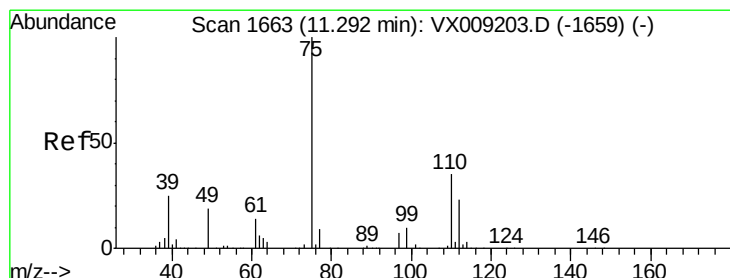
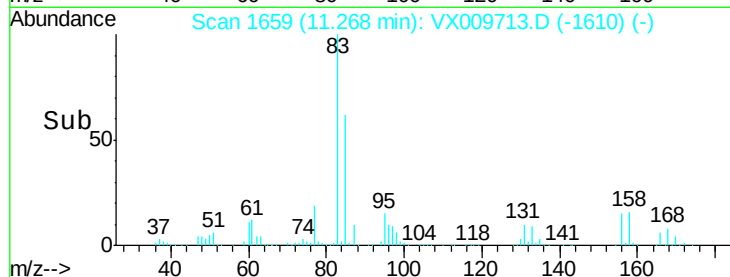
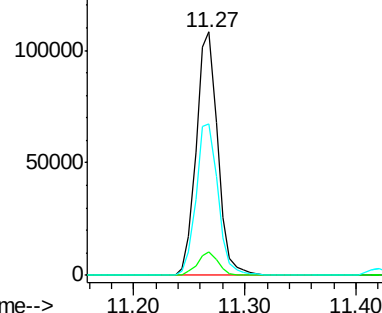
Tot Ion:	83	Resp:	144384
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	63.6	32.0	96.2

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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: 53.095 ug/l m

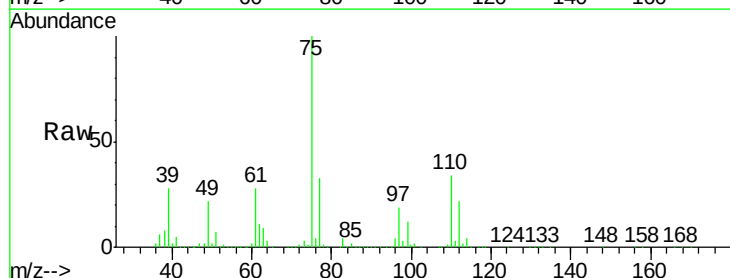
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

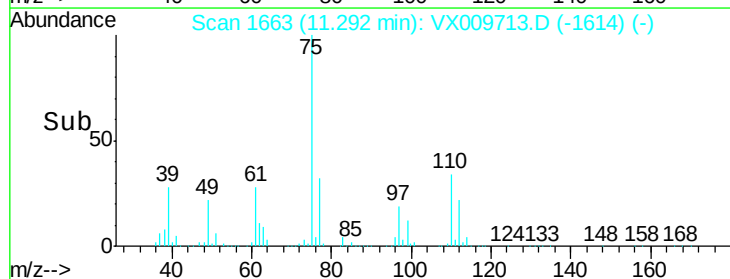
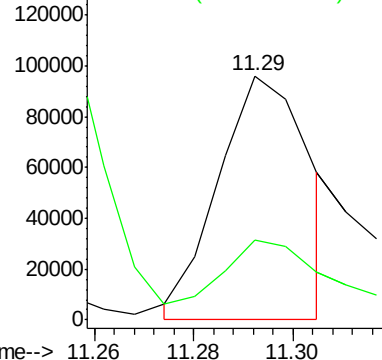
Lab File: VX009713.D

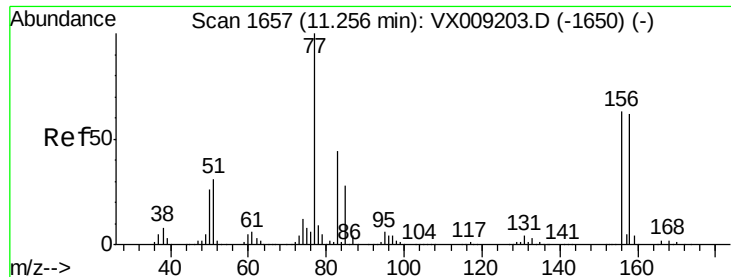
Acq: 18 May 2019 12:30

Tgt Ion:	75	Resp:	120963
Ion Ratio	Lower	Upper	
75	100		
77	41.8	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: 51.777 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 91785

Ion Ratio Lower Upper

156 100

77 172.9 84.8 254.3

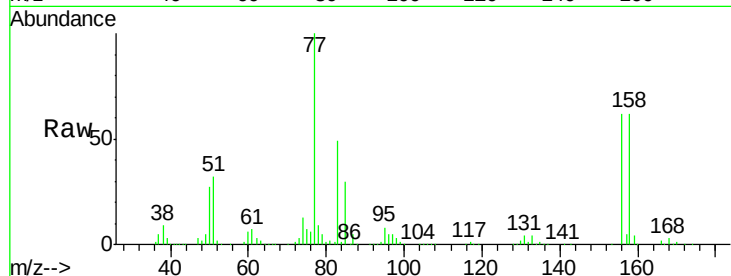
158 98.7 49.1 147.3

Manual Integrations

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

150000

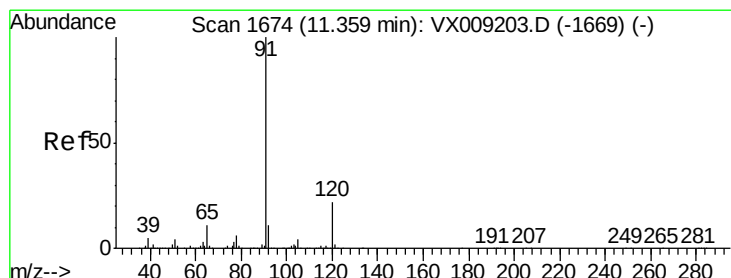
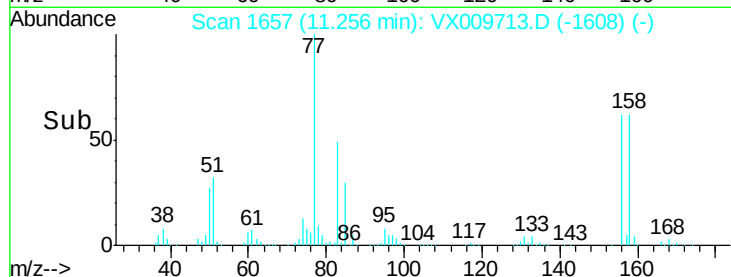
100000

50000

0

11.20 11.26 11.30

Time-->



#78

n-propylbenzene

Concen: 50.991 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009713.D

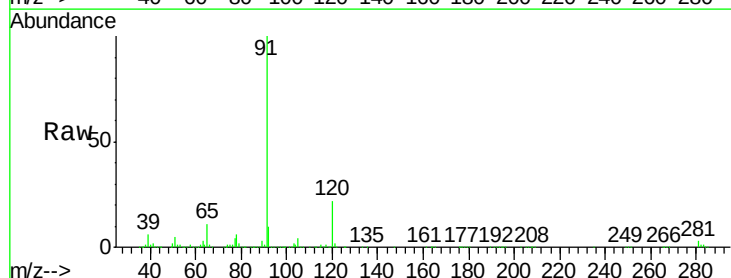
Acq: 18 May 2019 12:30

Tgt Ion: 91 Resp: 415915

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

400000

300000

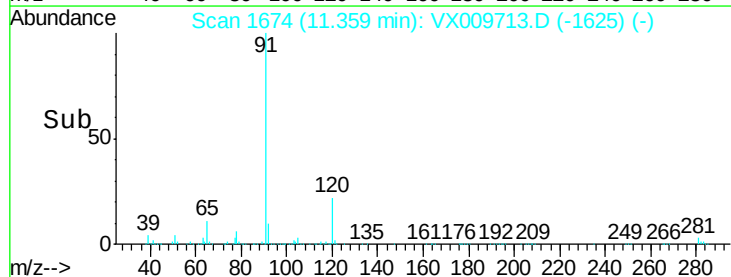
200000

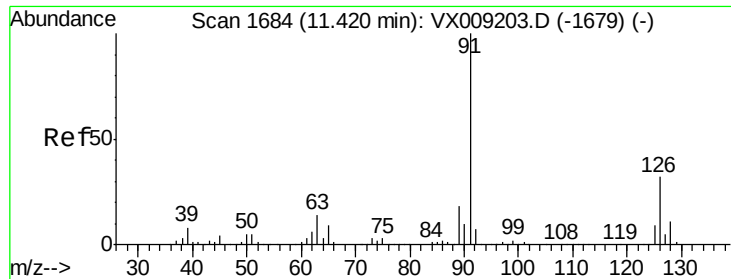
100000

0

11.30 11.35 11.40

Time-->





#79

2-Chlorotoluene

Concen: 50.585 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 254557

Ion Ratio Lower Upper

91 100

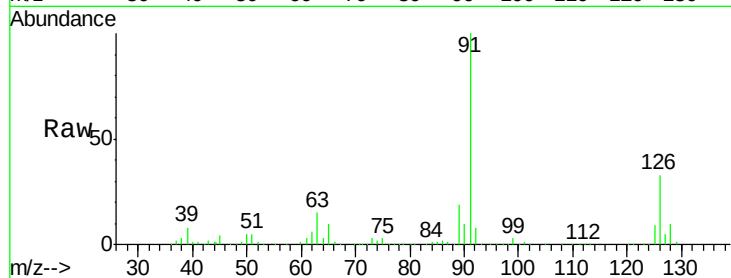
126 32.6 16.3 48.9

Manual Integrations

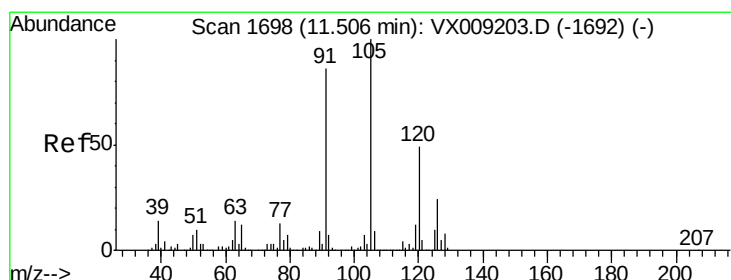
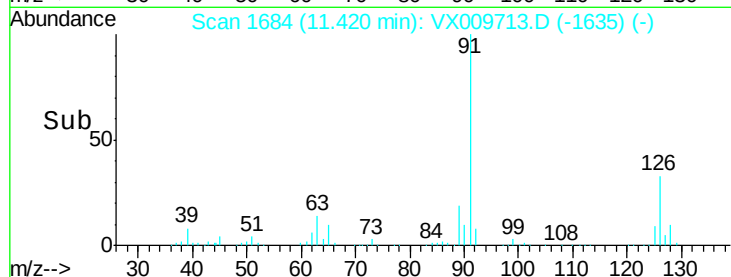
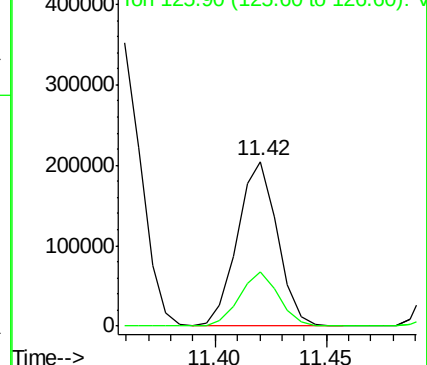
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Abundance Ion 91.00 (90.70 to 91.70): VX009713.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.684 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009713.D

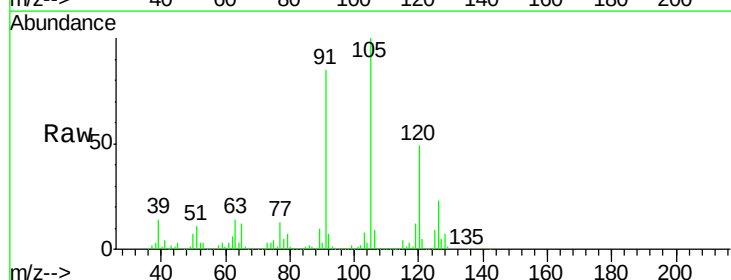
Acq: 18 May 2019 12:30

Tgt Ion: 105 Resp: 310810

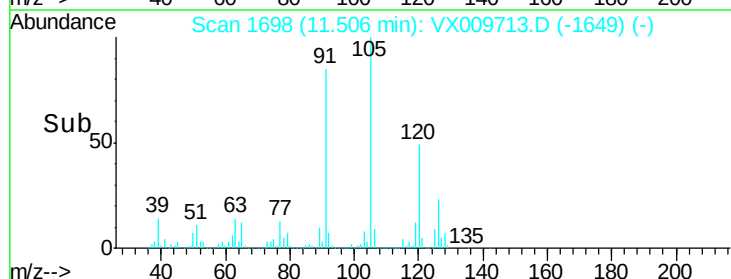
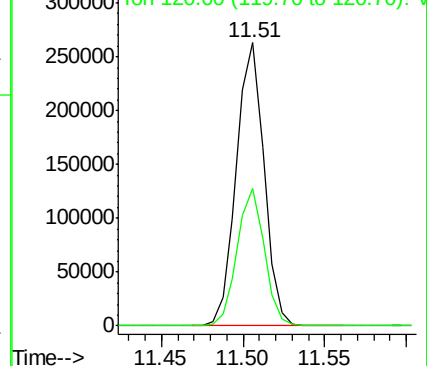
Ion Ratio Lower Upper

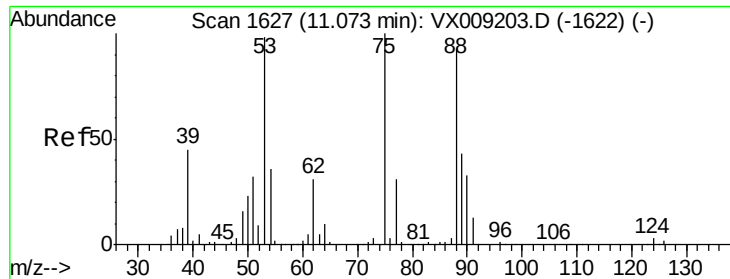
105 100

120 47.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009713.D (-1649) (-)





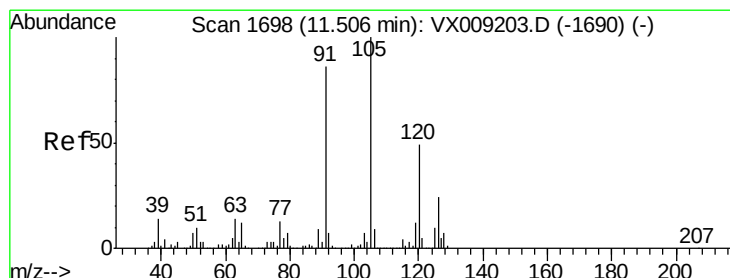
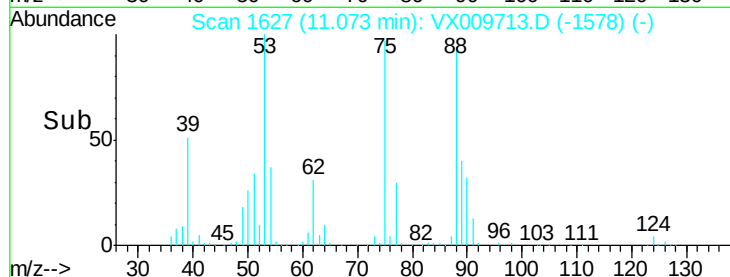
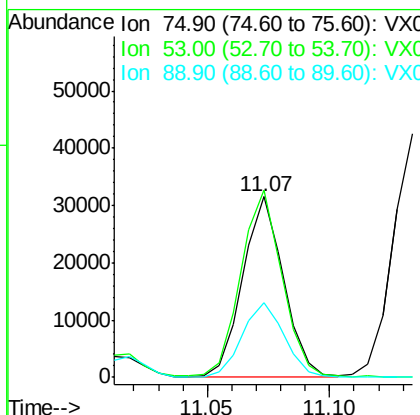
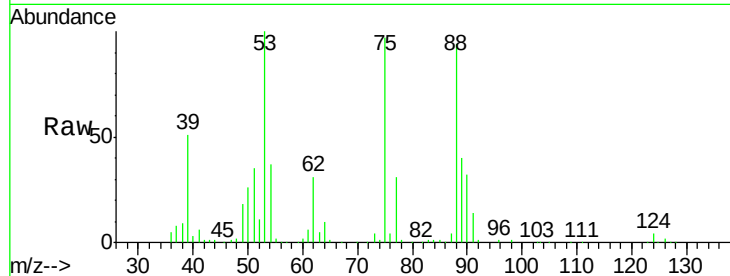
#81
trans-1,4-Dichloro-2-butene
Concen: 41.090 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 36587
Ion Ratio Lower Upper
75 100
53 104.2 79.0 118.6
89 42.9 34.7 52.1

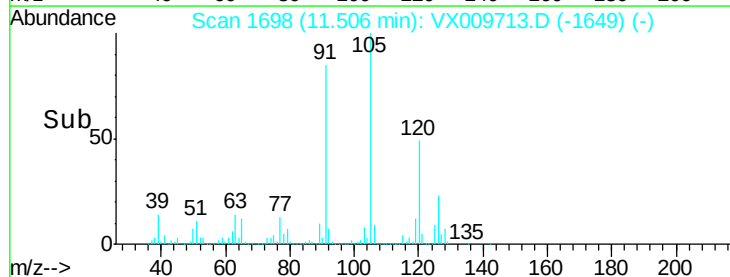
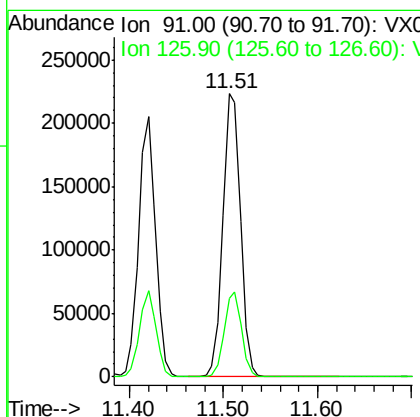
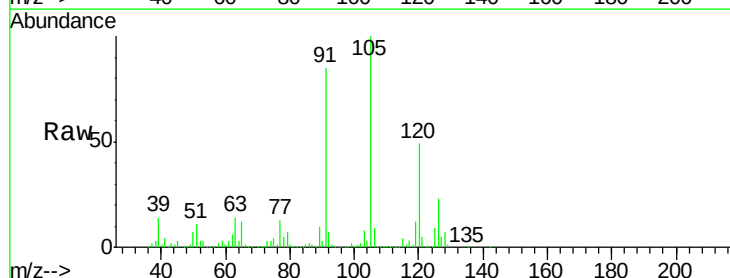
Manual Integrations
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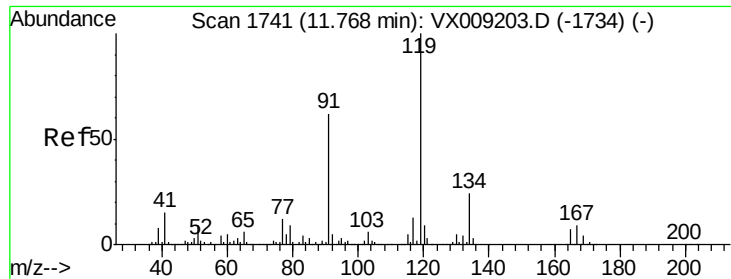
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.094 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion: 91 Resp: 290466
Ion Ratio Lower Upper
91 100
126 29.2 14.5 43.6





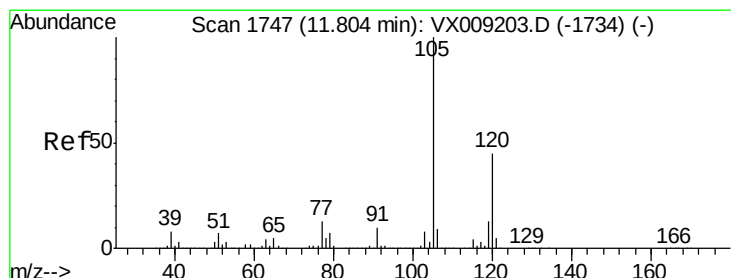
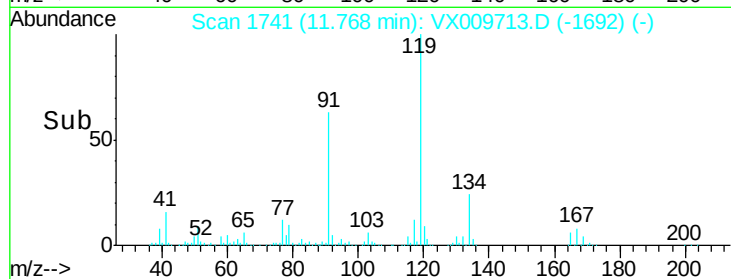
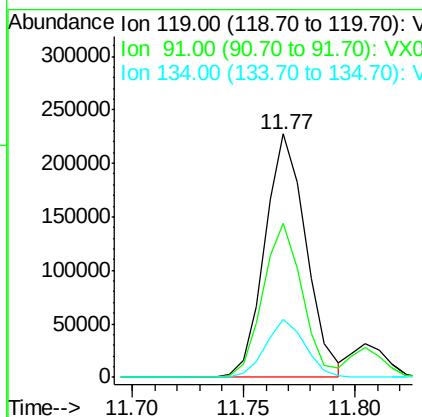
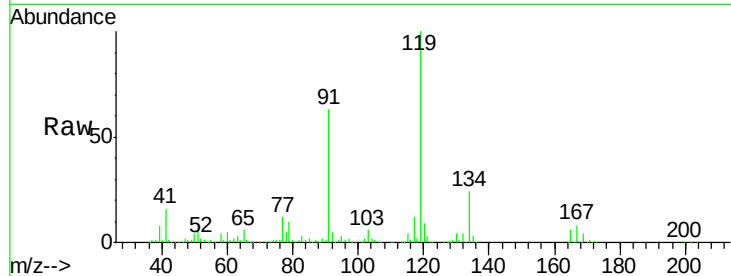
#83
 tert-Butylbenzene
 Concen: 49.985 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	292412		
91	60.7	29.5	88.5	
134	22.6	11.4	34.1	

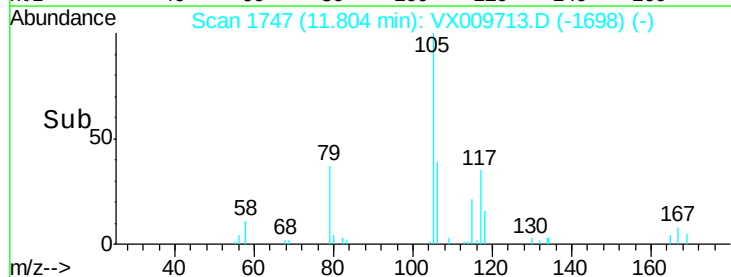
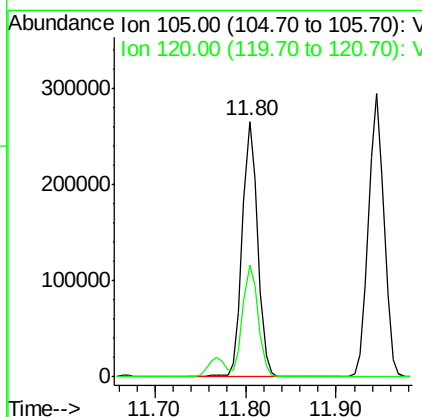
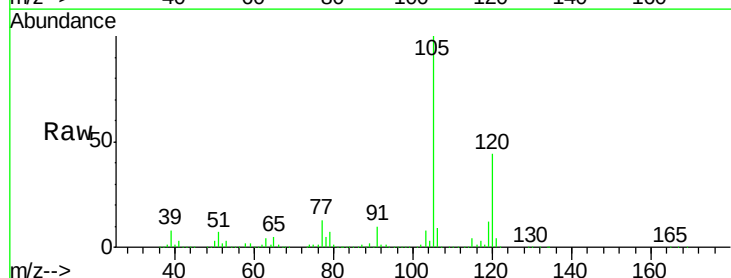
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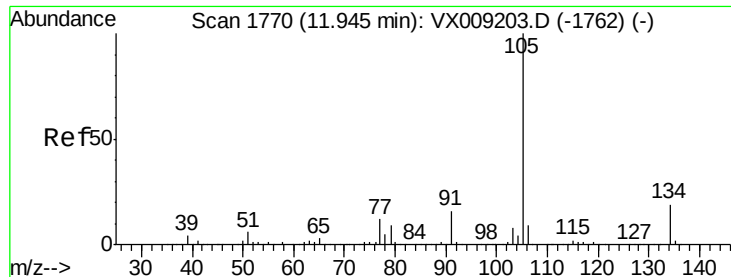
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.118 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	314594		
120	43.5	22.0	66.0	





#85

sec-Butylbenzene

Concen: 50.715 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 351743

Ion Ratio Lower Upper

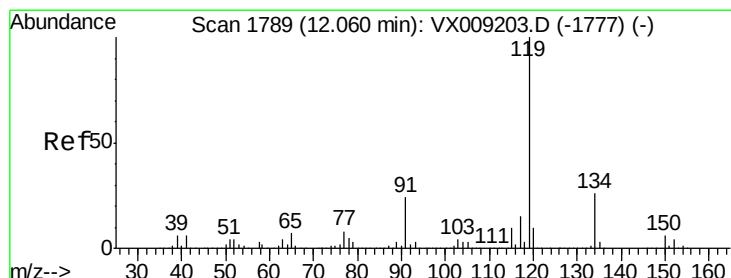
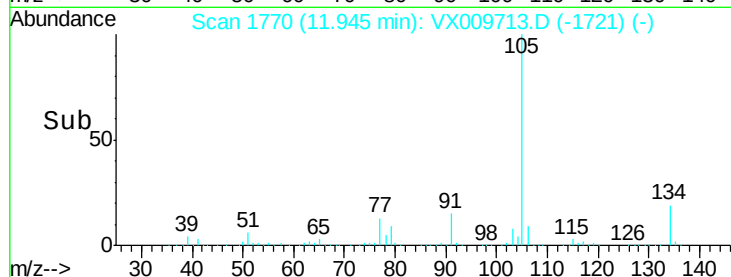
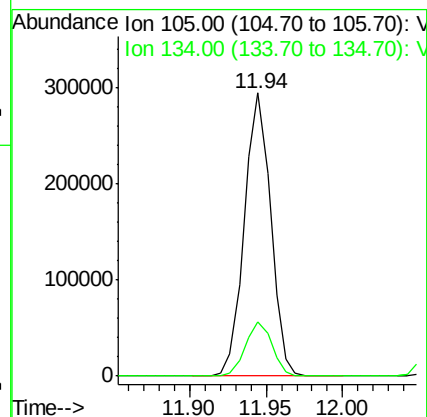
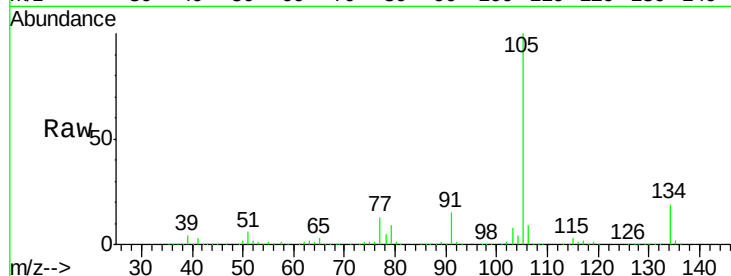
105 100

134 19.4 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.741 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

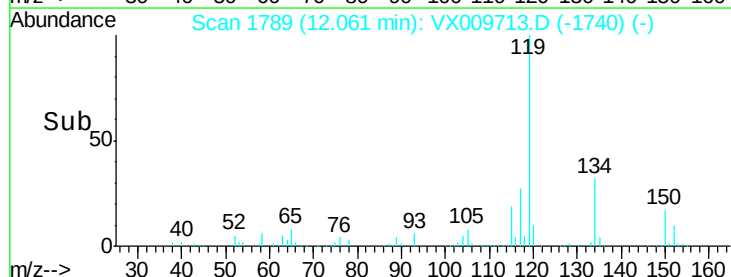
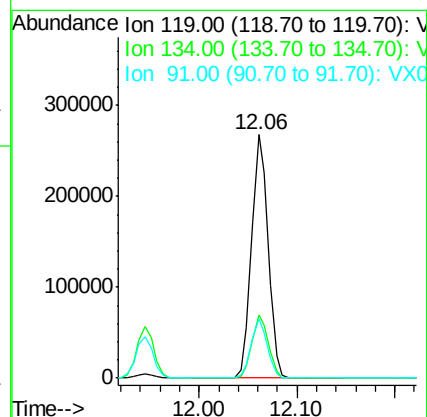
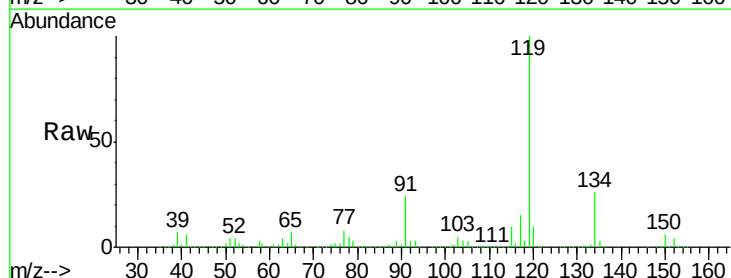
Tgt Ion:119 Resp: 316376

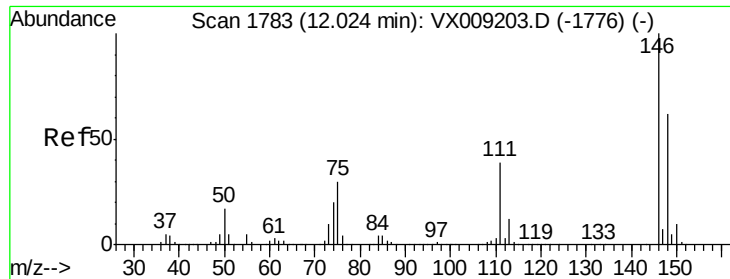
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 23.8 11.8 35.4





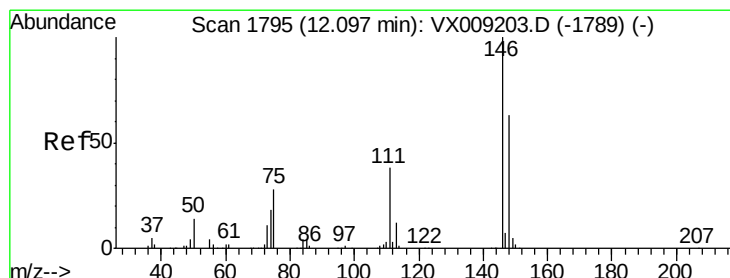
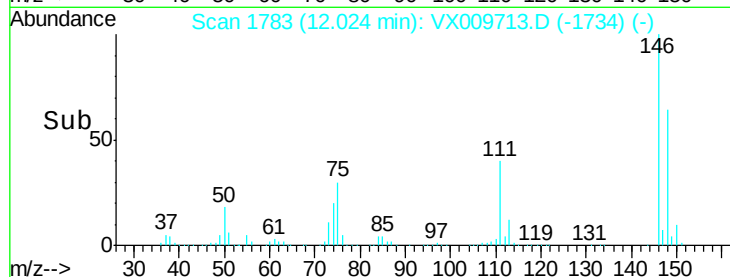
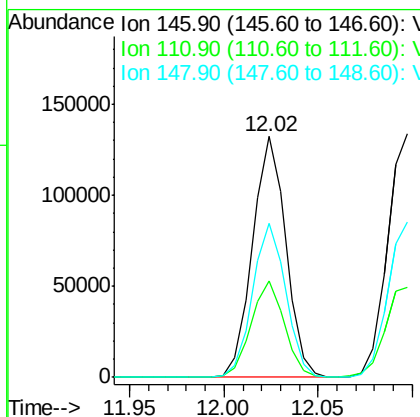
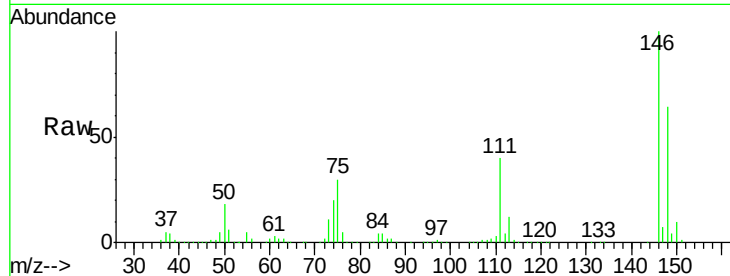
#87
 1,3-Dichlorobenzene
 Concen: 51.317 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.8	31.8	95.3

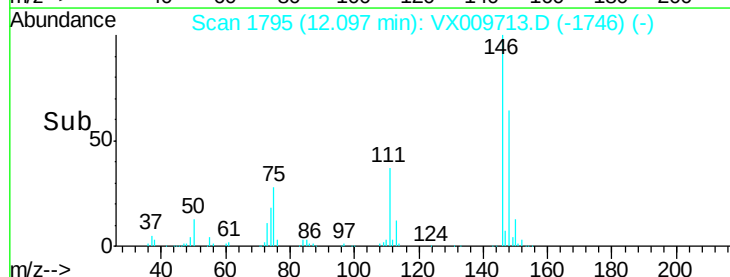
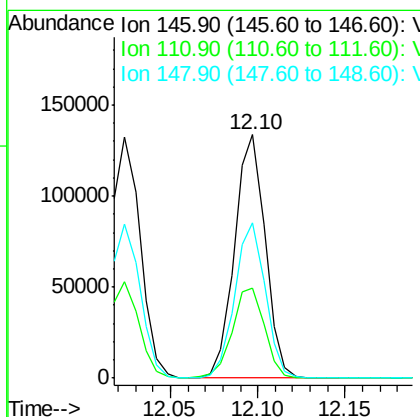
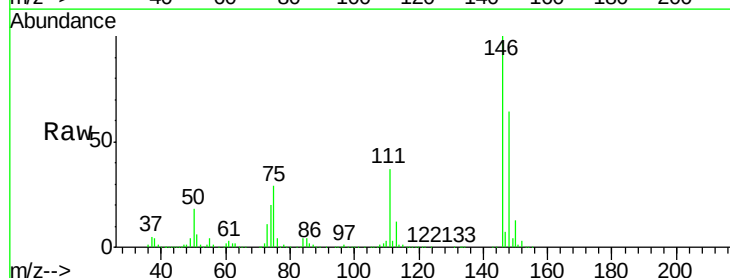
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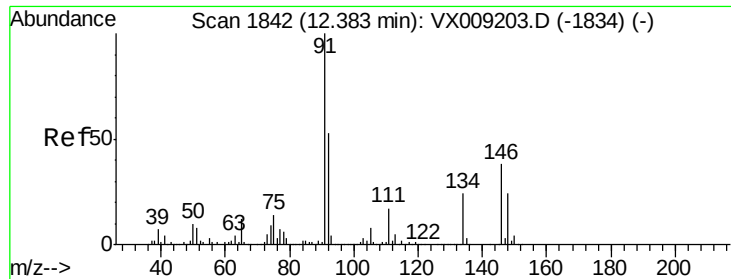
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#88
 1,4-Dichlorobenzene
 Concen: 51.143 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.8
148	64.0	31.8	95.3





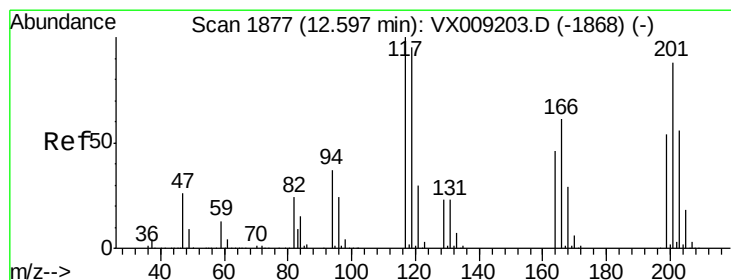
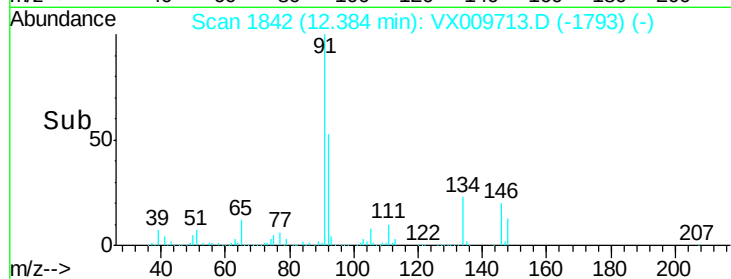
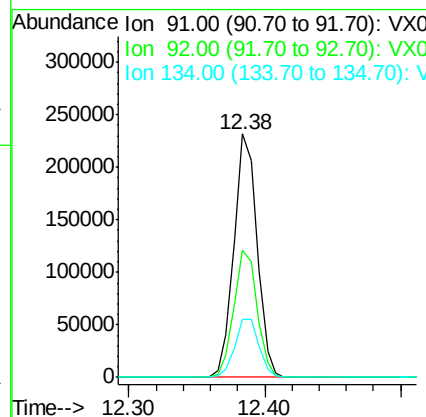
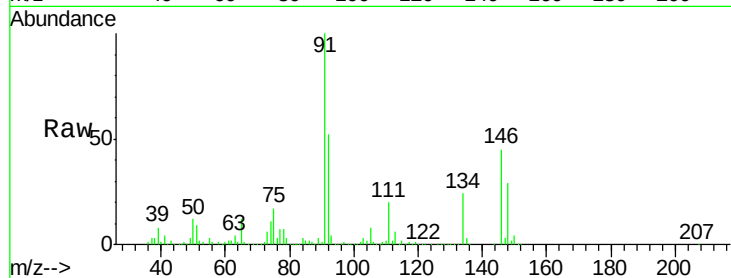
#89
n-Butylbenzene
Concen: 48.677 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	24.9	12.4	37.2

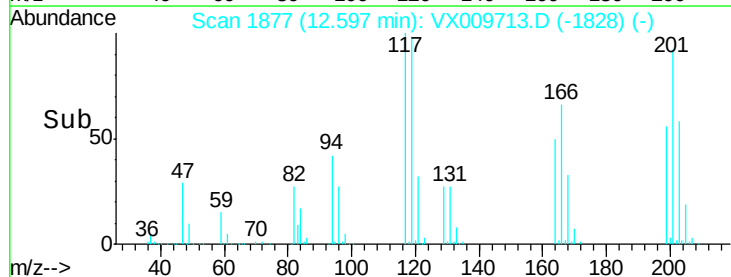
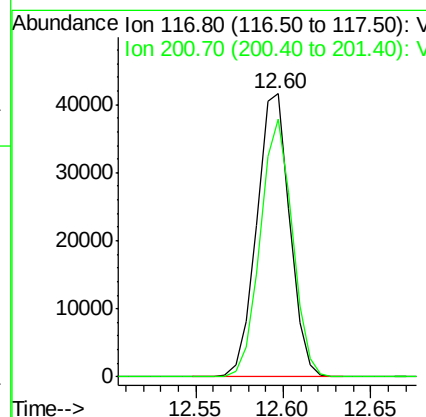
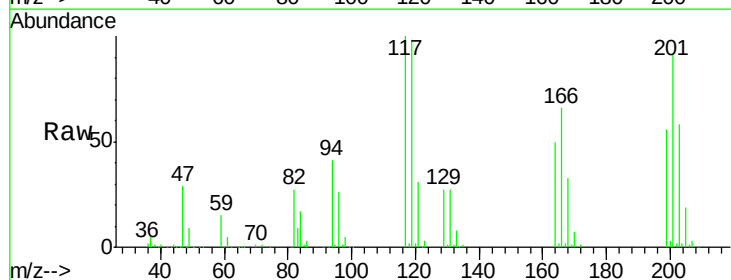
Manual Integrations
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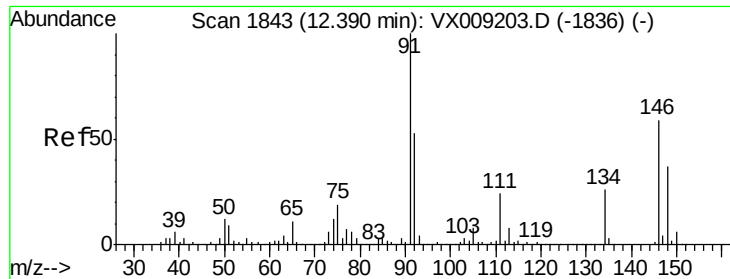
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#90
Hexachloroethane
Concen: 51.416 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009713.D
Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	42.3	126.9





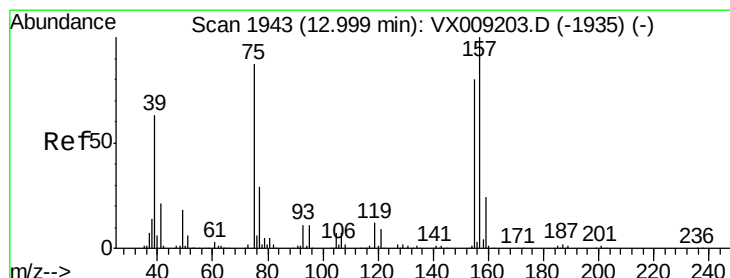
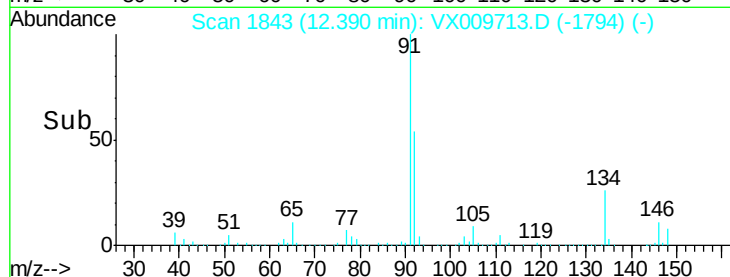
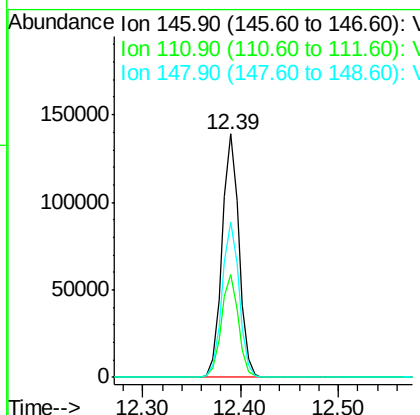
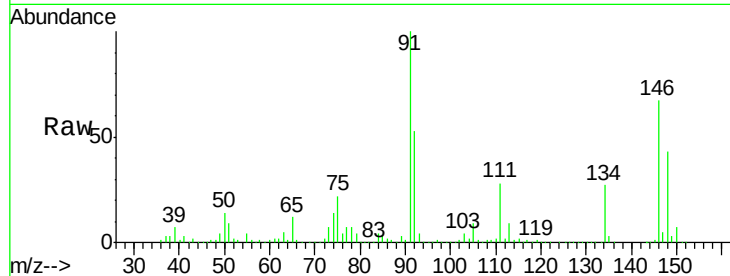
#91
 1,2-Dichlorobenzene
 Concen: 51.646 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.4
148	64.5	31.9	95.9

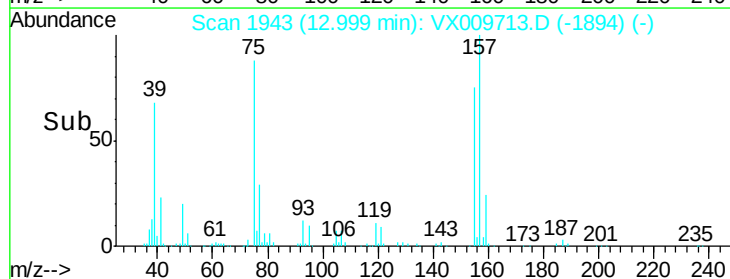
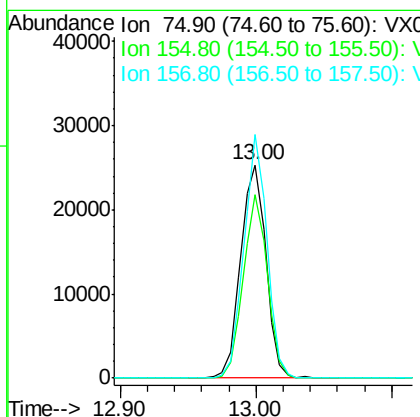
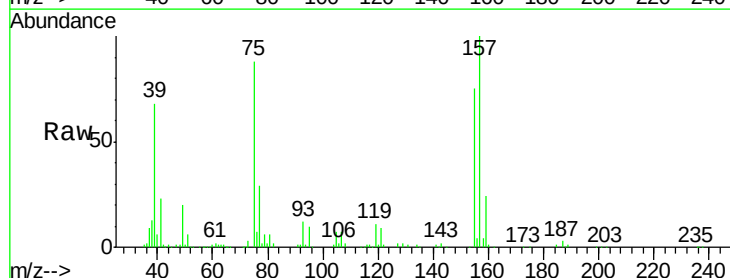
Manual Integrations
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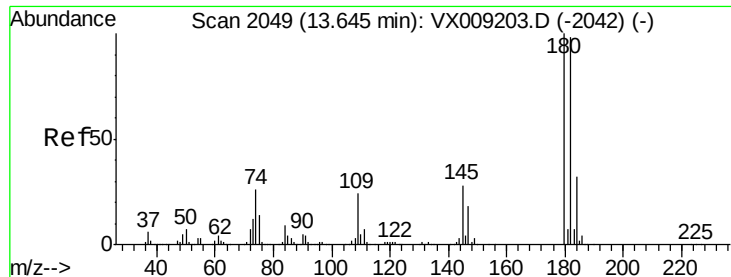
MMDadoda
 5/20/2019 10:46:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.016 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	42.0	126.0
157	104.5	53.2	159.6





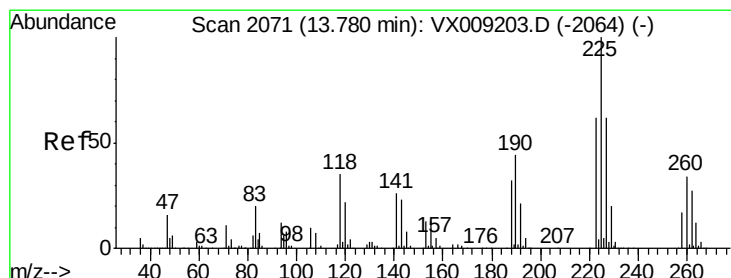
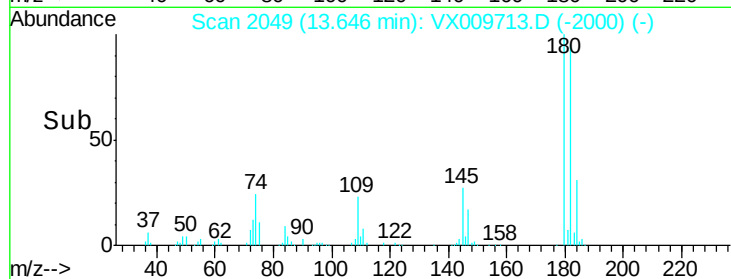
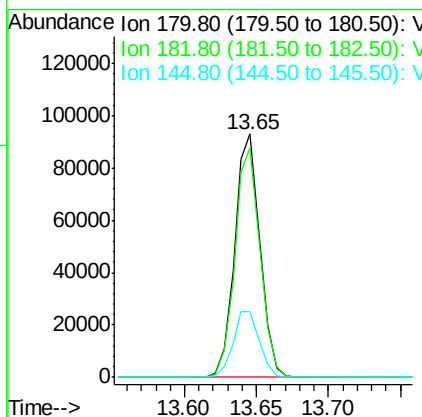
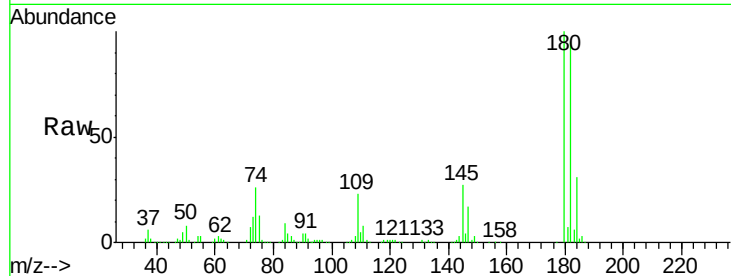
#93
 1,2,4-Trichlorobenzene
 Concen: 51.503 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113363		
182	94.3	48.4	145.2	
145	28.6	14.6	43.8	

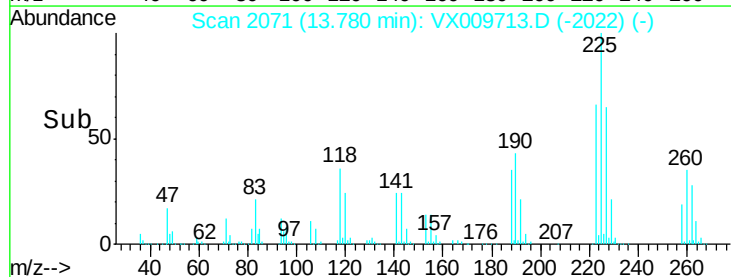
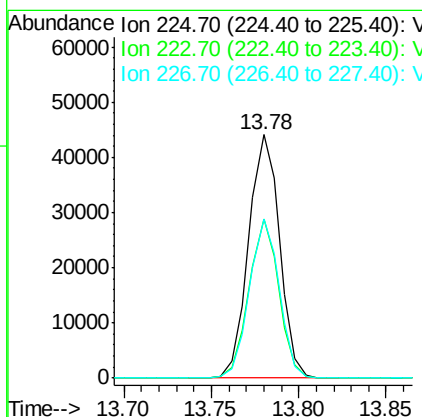
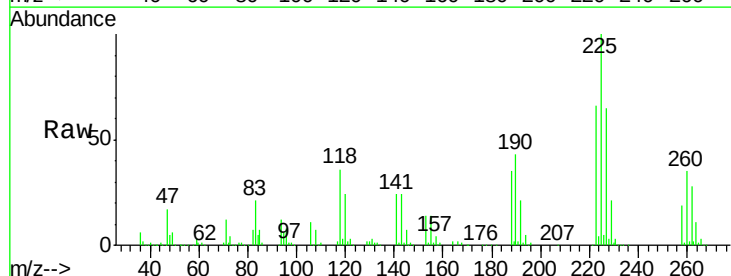
Manual Integrations
 APPROVED

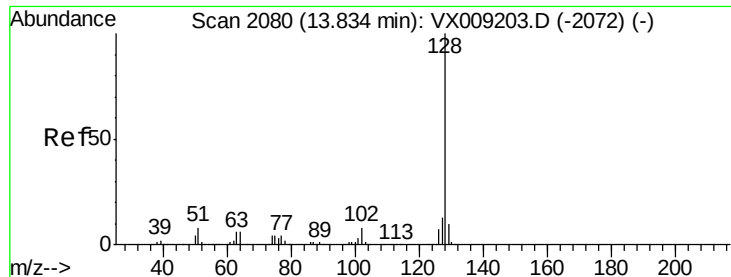
MMDadoda
 5/20/2019 10:46:49 AM



#94
 Hexachlorobutadiene
 Concen: 48.534 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009713.D
 Acq: 18 May 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54553		
223	63.0	31.3	93.8	
227	62.8	31.8	95.3	





#95

Naphthalene

Concen: 54.180 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Instrument :

MSVOA_X

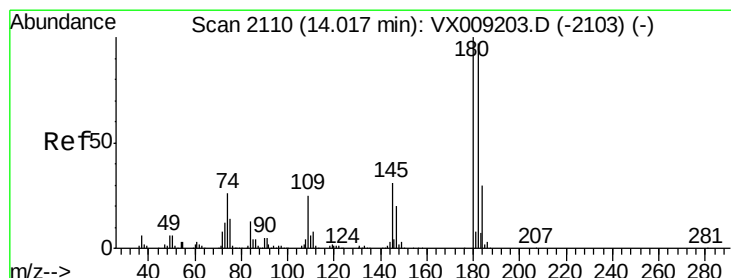
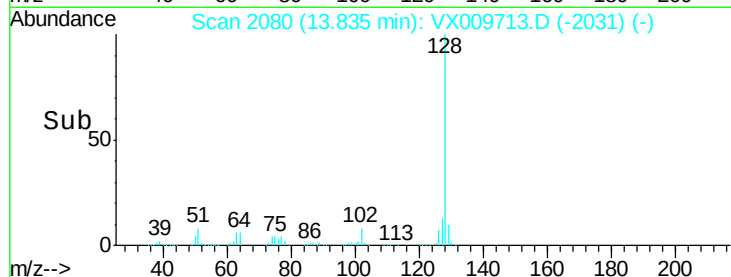
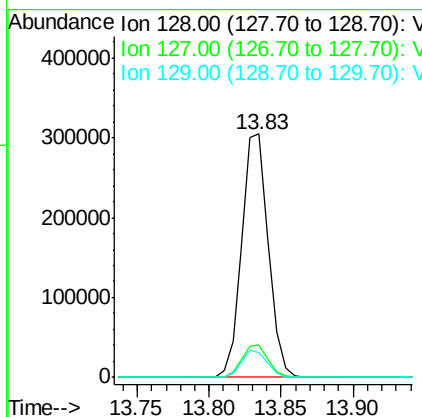
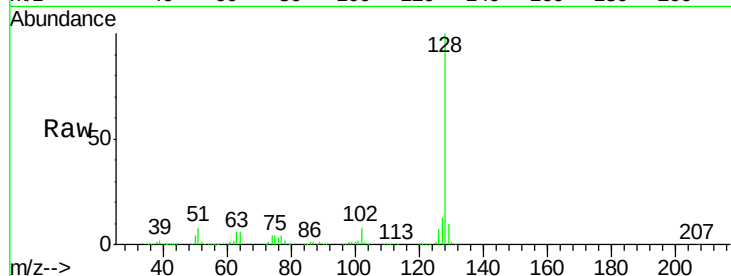
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	387985
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 10:46:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.319 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009713.D

Acq: 18 May 2019 12:30

Tgt Ion:	180	Resp:	116732
Ion Ratio		Lower	Upper
180	100		
182	96.1	47.8	143.4
145	31.2	15.4	46.4

