

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050619\
 Data File : VX009338.D
 Acq On : 06 May 2019 09:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 9:41:45 AM

Quant Time: May 07 06:46:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	194409	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	303334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	124550	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	5.49	113	93927	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	8.71	98	376505	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.13	95	138112	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85887	47.941	ug/l	100
3) Chloromethane	1.32	50	109987	44.968	ug/l	99
4) Vinyl Chloride	1.41	62	113466	47.574	ug/l	98
5) Bromomethane	1.64	94	66209	46.251	ug/l	98
6) Chloroethane	1.71	64	73245	47.833	ug/l	98
7) Trichlorofluoromethane	1.92	101	144535	49.855	ug/l	100
8) Diethyl Ether	2.18	74	66571	48.476	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	92613	50.870	ug/l	99
10) Methyl Iodide	2.51	142	96209	45.897	ug/l	100
11) Tert butyl alcohol	3.05	59	137141	223.242	ug/l	100
12) 1,1-Dichloroethene	2.37	96	89472	49.050	ug/l	95
13) Acrolein	2.29	56	124377	223.561	ug/l	99
14) Allyl chloride	2.72	41	212174	47.729	ug/l	100
15) Acrylonitrile	3.14	53	346694	230.814	ug/l	99
16) Acetone	2.44	43	362960	254.700	ug/l	98
17) Carbon Disulfide	2.56	76	238084	46.489	ug/l	100
18) Methyl Acetate	2.77	43	158020	46.627	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	351933	49.683	ug/l	99
20) Methylene Chloride	2.85	84	108306	46.939	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	95404	48.226	ug/l	97
22) Diisopropyl ether	3.85	45	425750	49.801	ug/l	93
23) Vinyl Acetate	3.81	43	1837653	251.025	ug/l	100
24) 1,1-Dichloroethane	3.69	63	205256	48.670	ug/l	100
25) 2-Butanone	4.67	43	547260	247.128	ug/l	100
26) 2,2-Dichloropropane	4.57	77	162643	51.812	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	115477	48.904	ug/l	99
28) Bromochloromethane	5.01	49	83778	49.311	ug/l	100
29) Tetrahydrofuran	5.12	42	331354	232.528	ug/l	100
30) Chloroform	5.20	83	189110	49.579	ug/l	100
31) Cyclohexane	5.57	56	191150	48.717	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	158964	50.064	ug/l	99
36) 1,1-Dichloropropene	5.79	75	143891	51.045	ug/l	100
37) Ethyl Acetate	4.82	43	191929	48.867	ug/l	99
38) Carbon Tetrachloride	5.78	117	133616	52.170	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	180593	52.166	ug/l	99
40) Benzene	6.13	78	441072	50.558	ug/l	100
41) Methacrylonitrile	5.04	41	111410	47.652	ug/l	99
42) 1,2-Dichloroethane	6.18	62	158152	50.536	ug/l	100
43) Isopropyl Acetate	6.44	43	315119	50.159	ug/l	100
44) Trichloroethene	7.21	130	106209	50.358	ug/l	99
45) 1,2-Dichloropropane	7.51	63	125426	50.773	ug/l	99
46) Dibromomethane	7.65	93	70577	49.199	ug/l	97
47) Bromodichloromethane	7.89	83	148863	52.023	ug/l	97
48) Methyl methacrylate	7.76	41	158149	50.740	ug/l	99
49) 1,4-Dioxane	7.73	88	56178	888.761	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1005029	244.752	ug/l	99
52) Toluene	8.78	92	269203	50.763	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	173988	53.855	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	190231	53.199	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	109731	50.718	ug/l	96
56) Ethyl methacrylate	9.17	69	198197	51.320	ug/l	100
57) 1,3-Dichloropropane	9.37	76	193560	50.840	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	499237	243.674	ug/l	99
59) 2-Hexanone	9.49	43	835106	258.944	ug/l	99
60) Dibromochloromethane	9.58	129	113232	53.586	ug/l	99
61) 1,2-Dibromoethane	9.67	107	111259	50.944	ug/l	100
64) Tetrachloroethene	9.34	164	100919	54.229	ug/l	98
65) Chlorobenzene	10.13	112	281688	51.903	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	104233	52.975	ug/l	99
67) Ethyl Benzene	10.25	91	520997	52.162	ug/l	99
68) m/p-Xylenes	10.35	106	386682	105.941	ug/l	99
69) o-Xylene	10.69	106	186066	51.667	ug/l	99
70) Styrene	10.71	104	332570	53.133	ug/l	99
71) Bromoform	10.85	173	87729	54.866	ug/l	99
73) Isopropylbenzene	11.02	105	510423	51.040	ug/l	99
74) N-amyl acetate	10.90	43	292087	50.098	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	183107	49.116	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	161613m	50.662	ug/l	
77) Bromobenzene	11.25	156	124362	50.102	ug/l	99
78) n-propylbenzene	11.36	91	590797	51.729	ug/l	99
79) 2-Chlorotoluene	11.42	91	349624	49.619	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	435013	51.662	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	64887	52.044	ug/l	97
82) 4-Chlorotoluene	11.51	91	410078	51.516	ug/l	99
83) tert-Butylbenzene	11.77	119	421939	51.511	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	440479	52.116	ug/l	99
85) sec-Butylbenzene	11.94	105	507257	52.233	ug/l	99
86) p-Isopropyltoluene	12.06	119	467098	53.502	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	227808	51.483	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	229966	51.549	ug/l	99
89) n-Butylbenzene	12.38	91	437857	55.488	ug/l	100
90) Hexachloroethane	12.59	117	80087	53.844	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	230394	51.120	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39526	47.263	ug/l	99

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ClientSampleId :
VSTDCCC050

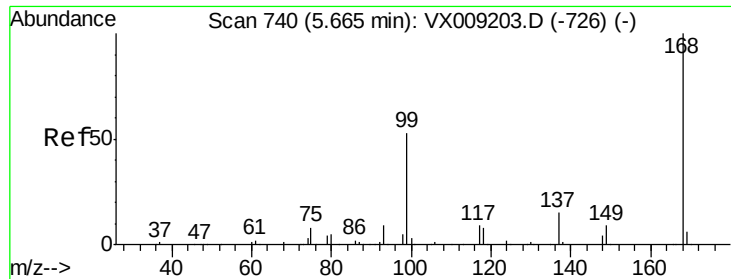
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	167819	54.451	ug/l	98
94) Hexachlorobutadiene	13.78	225	86176	54.755	ug/l	99
95) Naphthalene	13.83	128	510789	50.941	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	165396	52.942	ug/l	100

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



#1

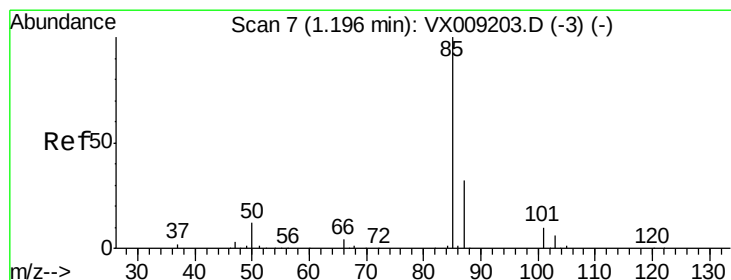
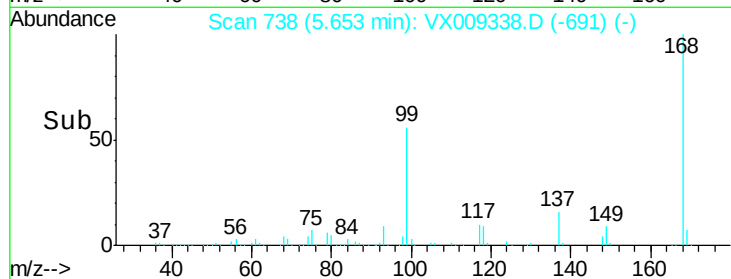
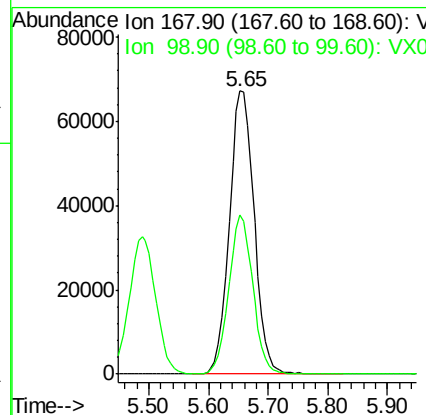
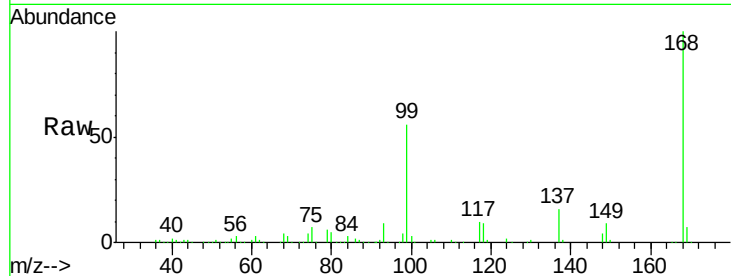
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		194409		
99	56.0	42.3	63.5		

Manual Integrations
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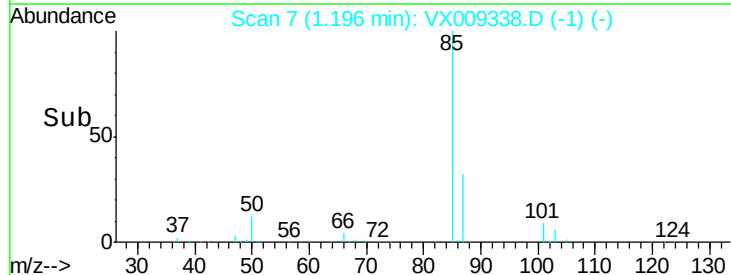
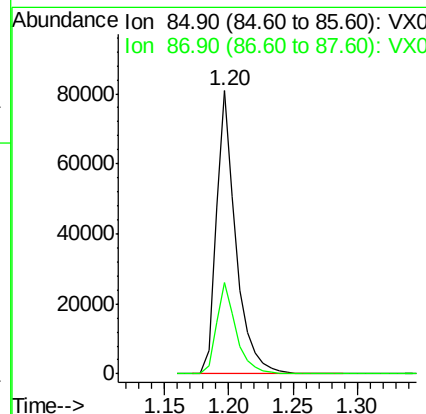
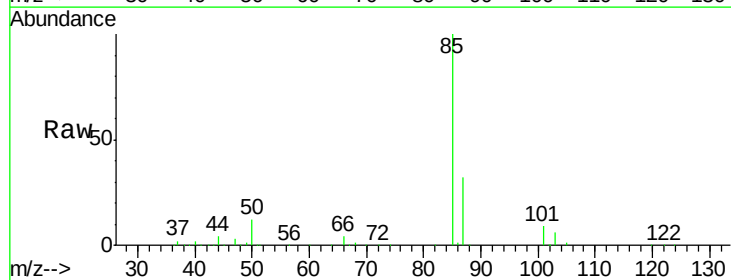
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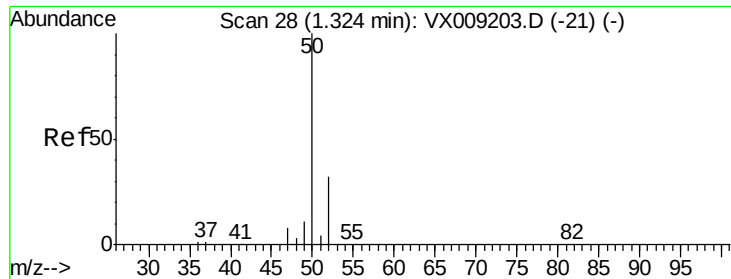


#2

Dichlorodifluoromethane
 Concen: 47.941 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		85887		
87	32.3	16.1	48.3		





#3

Chloromethane

Concen: 44.968 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 109987

Ion Ratio Lower Upper

50 100

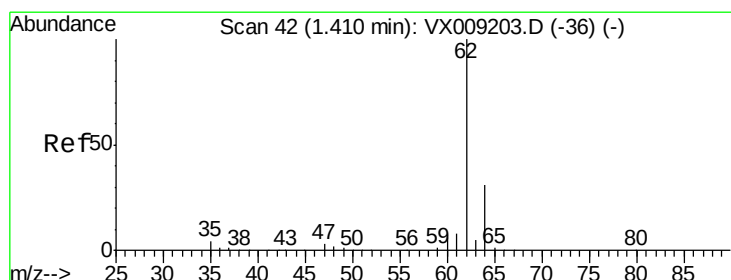
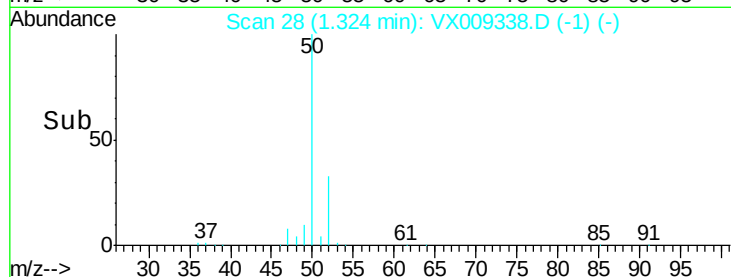
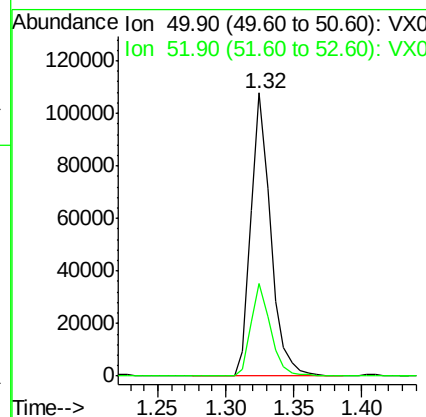
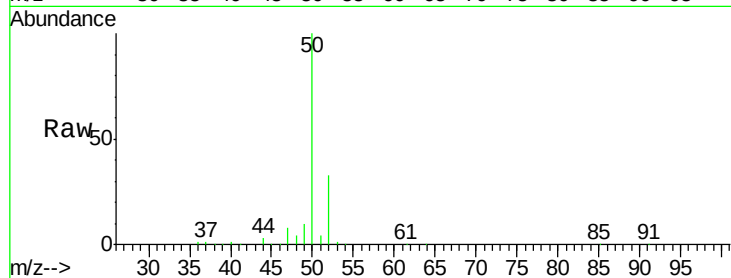
52 32.7 25.9 38.9

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#4

Vinyl Chloride

Concen: 47.574 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009338.D

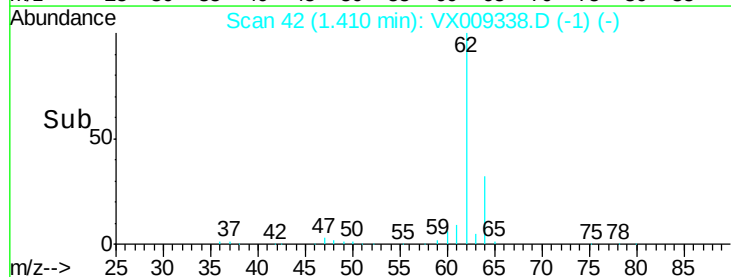
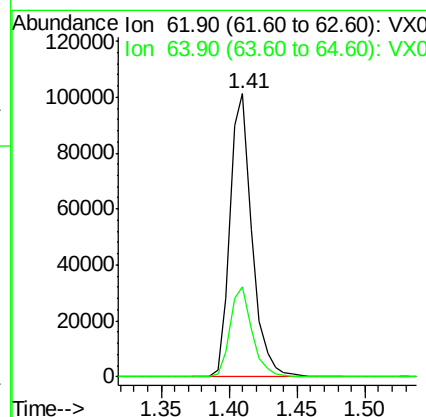
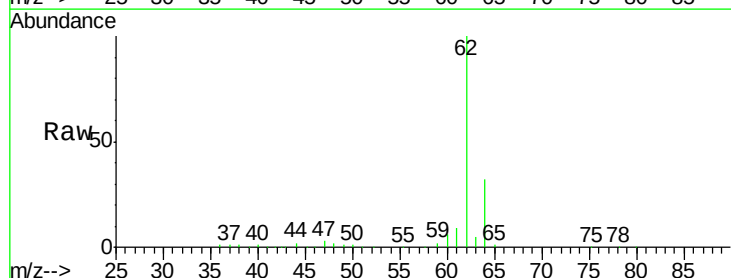
Acq: 06 May 2019 09:55

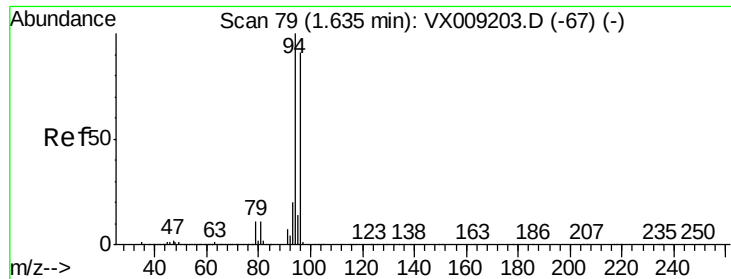
Tgt Ion: 62 Resp: 113466

Ion Ratio Lower Upper

62 100

64 31.6 24.6 36.8





#5

Bromomethane

Concen: 46.251 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66209

Ion Ratio Lower Upper

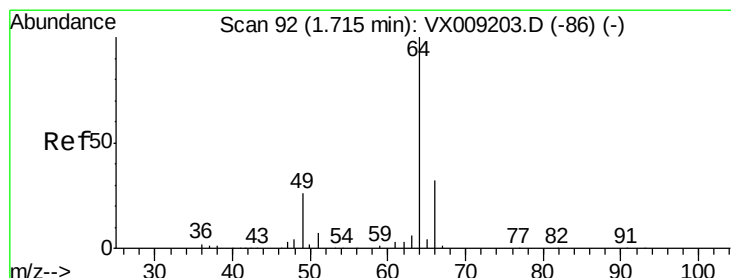
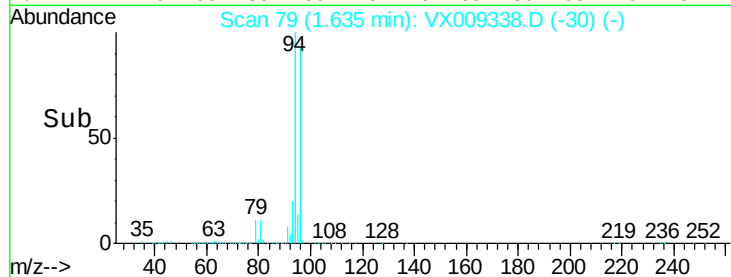
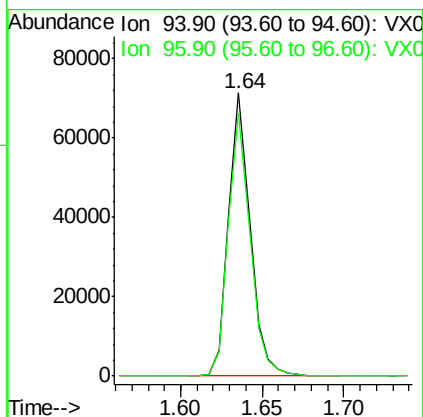
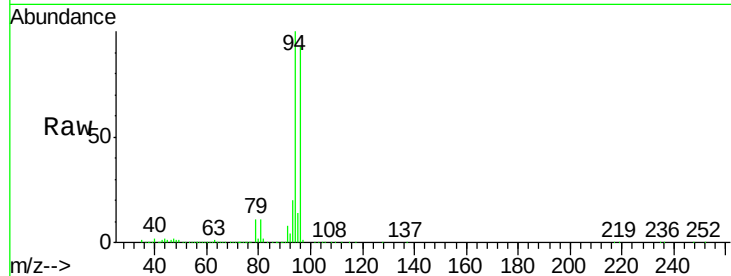
94 100

96 92.8 73.0 109.6

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#6

Chloroethane

Concen: 47.833 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009338.D

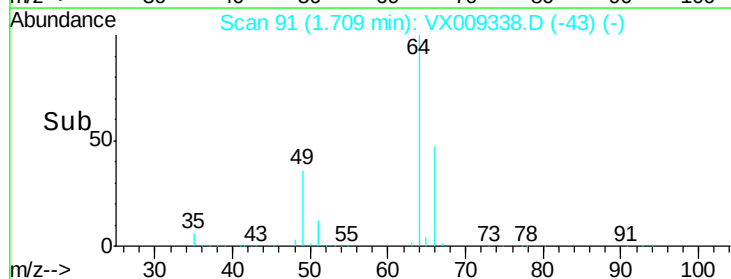
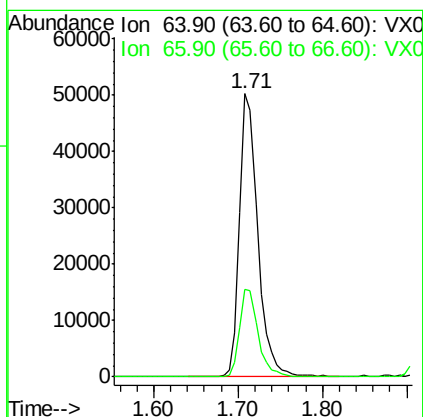
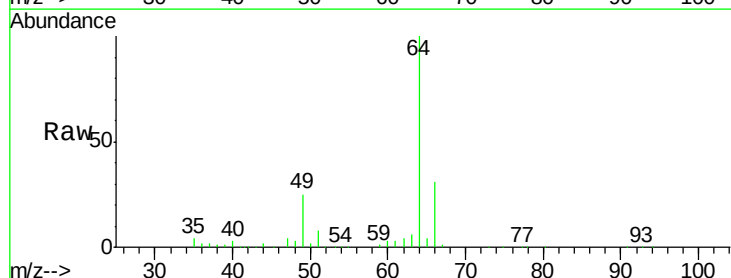
Acq: 06 May 2019 09:55

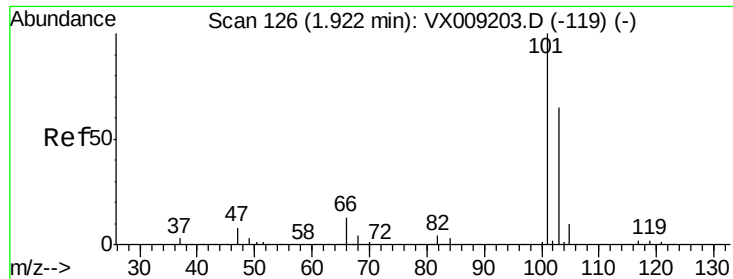
Tgt Ion: 64 Resp: 73245

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9





#7

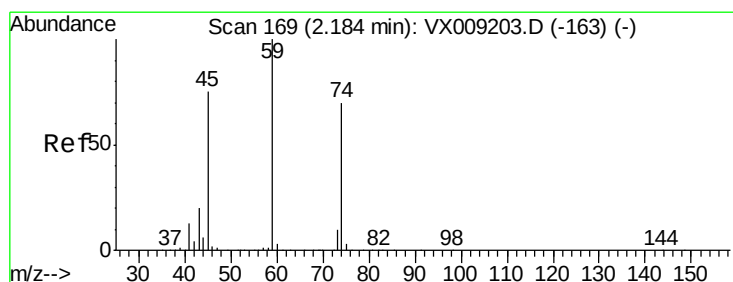
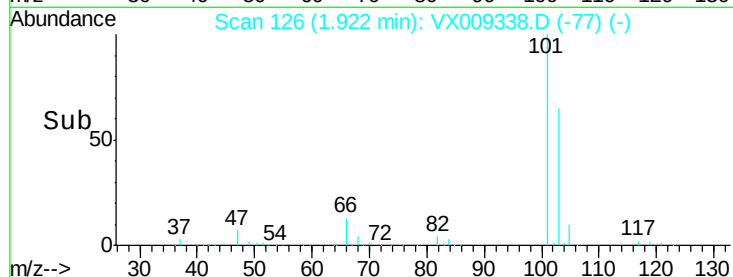
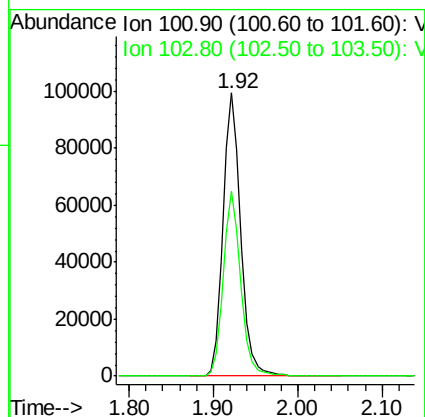
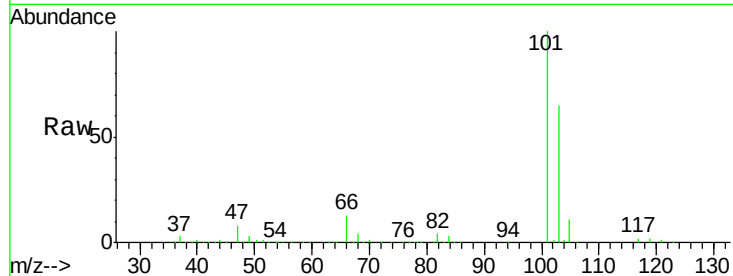
Trichlorofluoromethane
Concen: 49.855 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 144535
Ion Ratio Lower Upper
101 100
103 65.1 52.4 78.6

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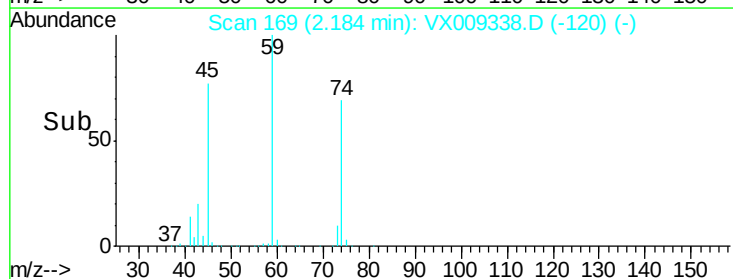
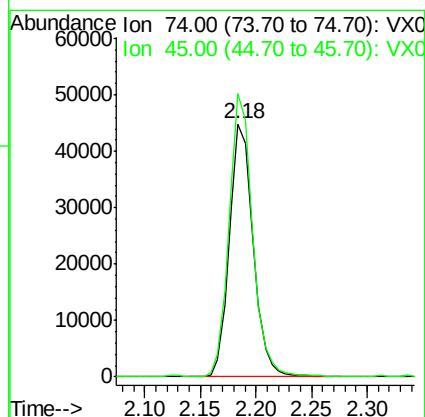
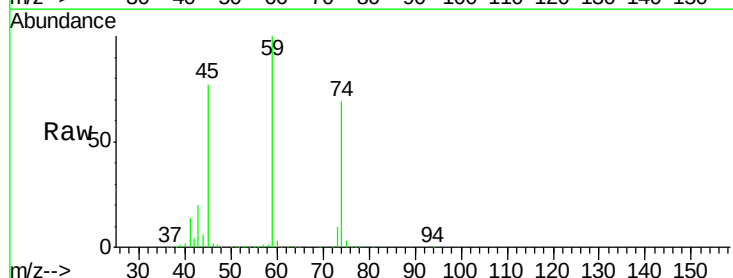
MMDadoda
5/7/2019 9:41:45 AM

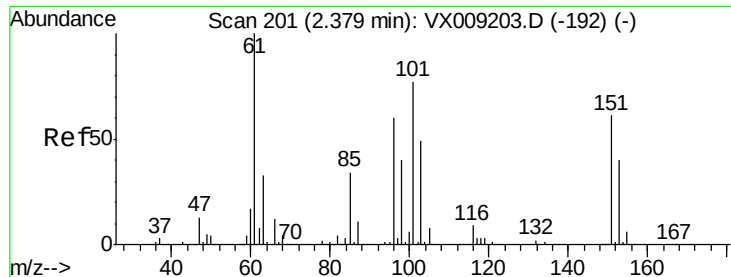


#8

Diethyl Ether
Concen: 48.476 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion: 74 Resp: 66571
Ion Ratio Lower Upper
74 100
45 109.4 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.870 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

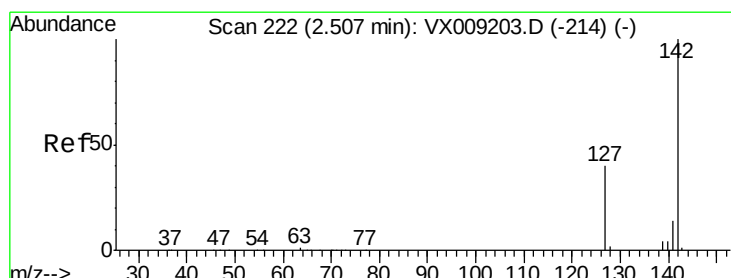
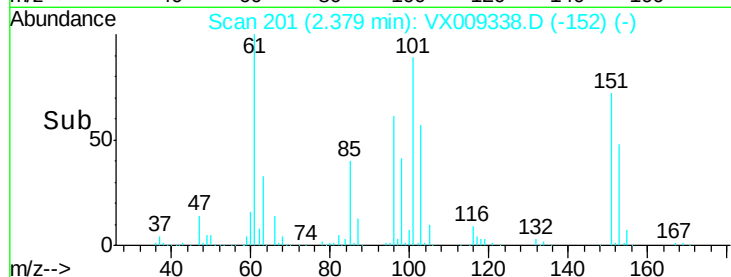
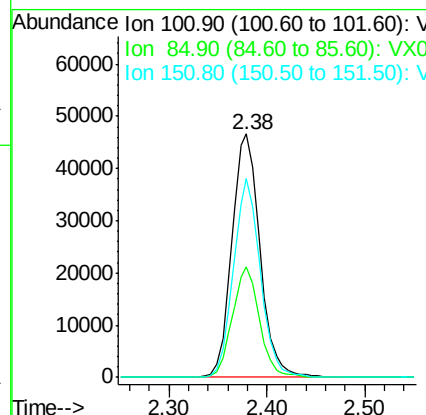
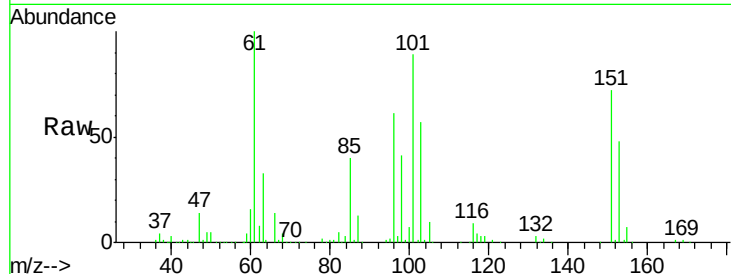
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	92613
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.7	53.5
151	78.5	62.2	93.2

Manual Integrations
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MMDadoda
5/7/2019 9:41:45 AM



#10

Methyl Iodide

Concen: 45.897 ug/l

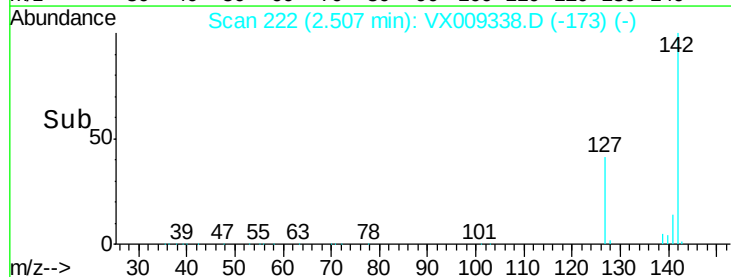
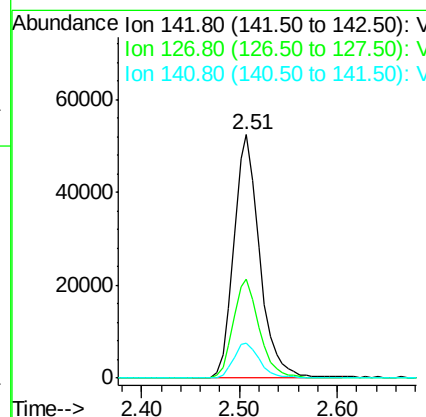
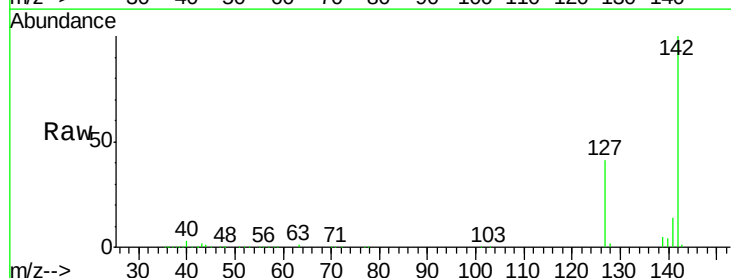
RT: 2.51 min Scan# 222

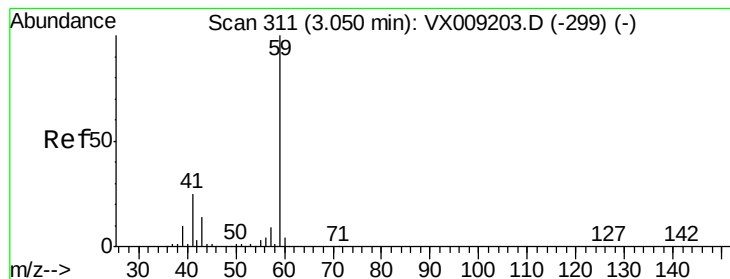
Delta R.T. 0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Tgt Ion:	142	Resp:	96209
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.7	49.1
141	14.7	11.5	17.3





#11

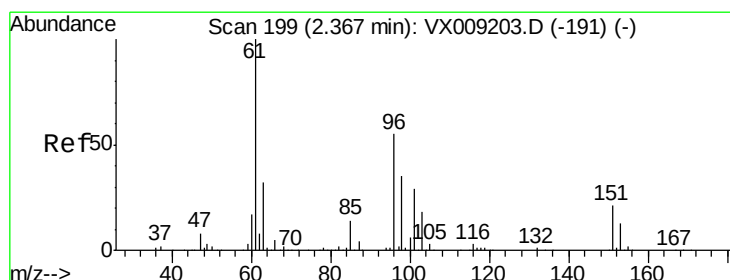
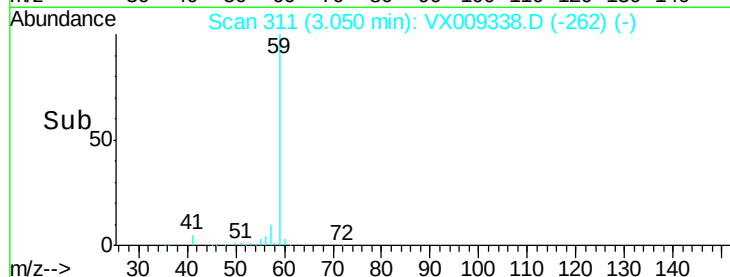
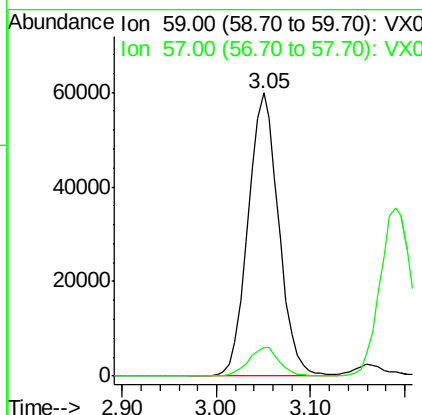
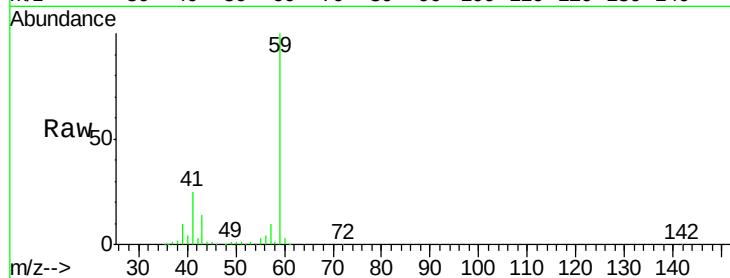
Tert butyl alcohol
Concen: 223.242 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	137141
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.2

Manual Integrations
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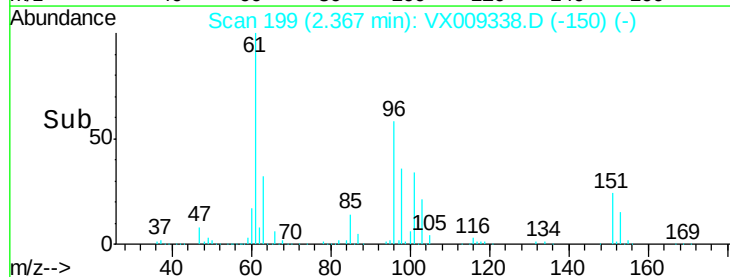
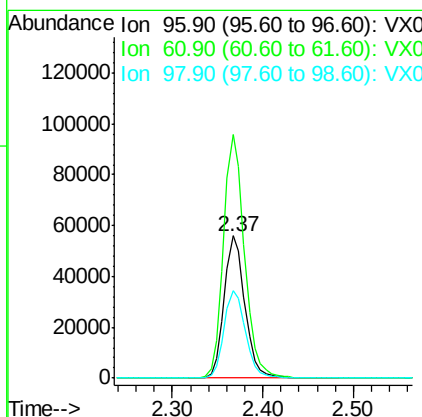
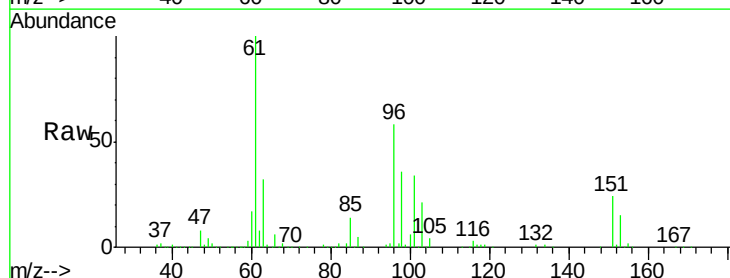
MMDadoda
5/7/2019 9:41:45 AM

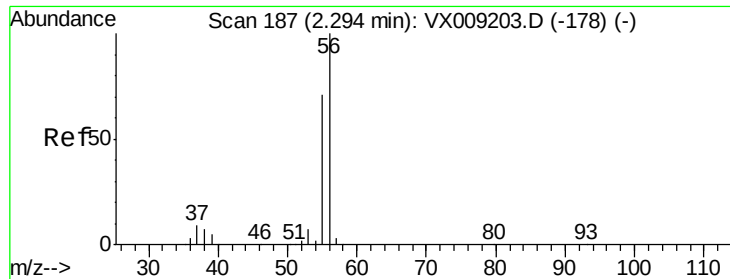


#12

1,1-Dichloroethene
Concen: 49.050 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion	96	Resp	89472
Ion Ratio	100	Lower	Upper
61	171.5	144.3	216.5
98	62.1	50.3	75.5





#13

Acrolein

Concen: 223.561 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 124377

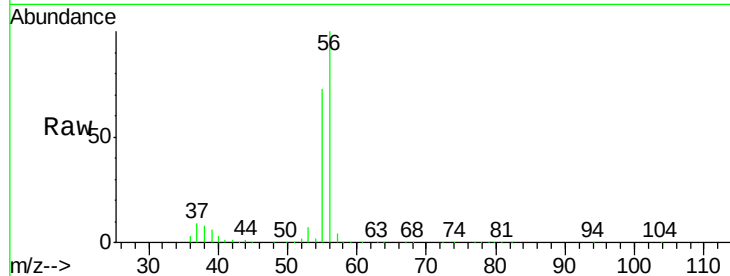
Ion Ratio Lower Upper

56 100

55 72.0 56.6 85.0

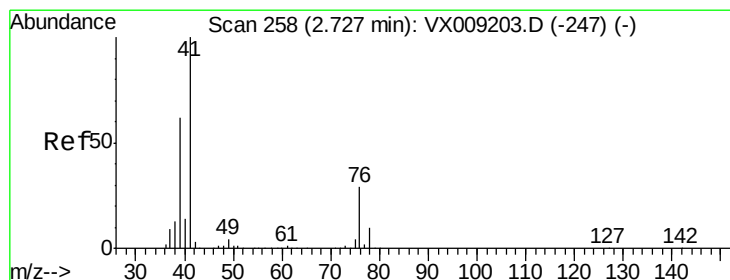
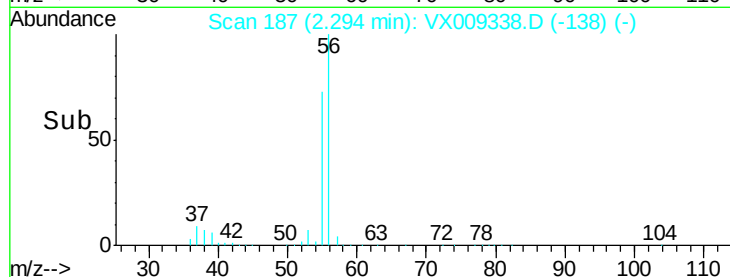
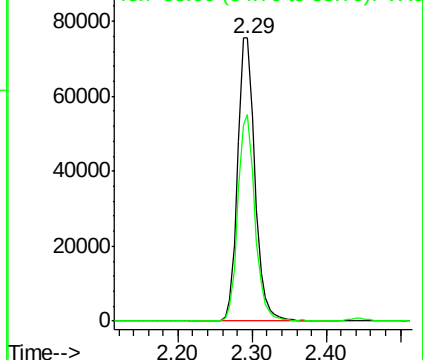
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.729 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

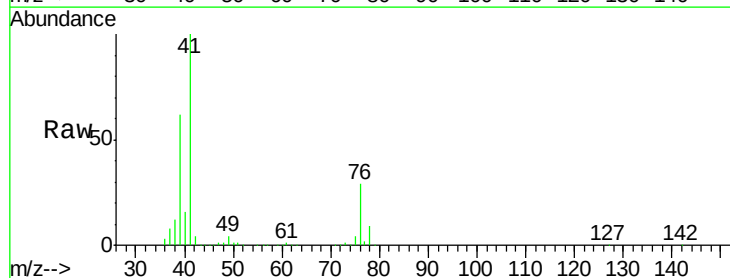
Tgt Ion: 41 Resp: 212174

Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

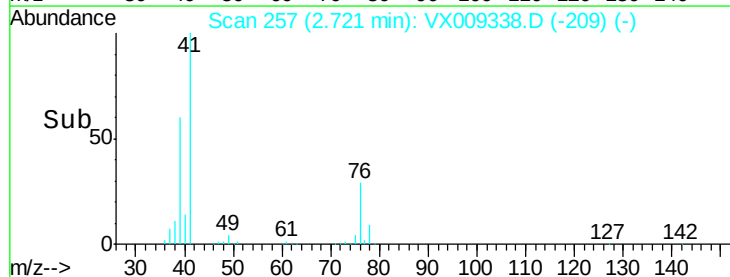
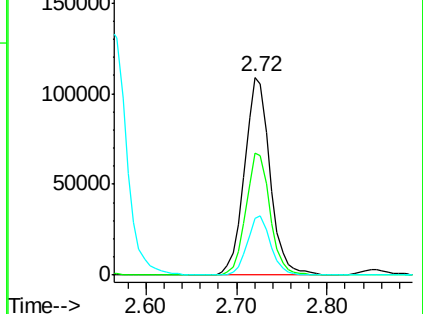
76 27.8 21.8 32.8

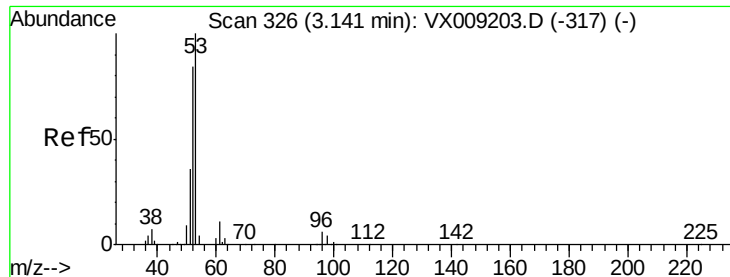


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 230.814 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

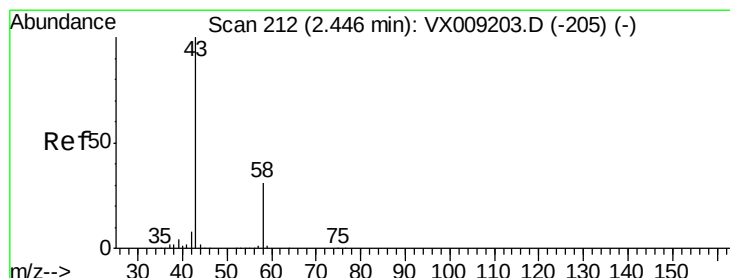
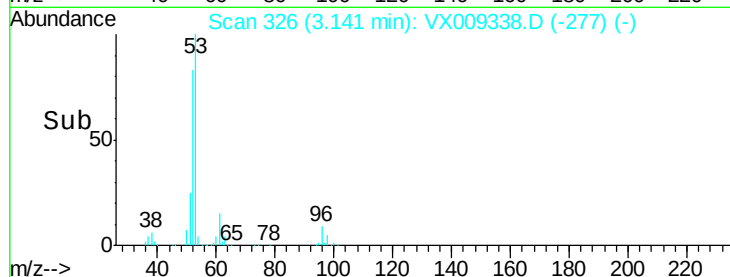
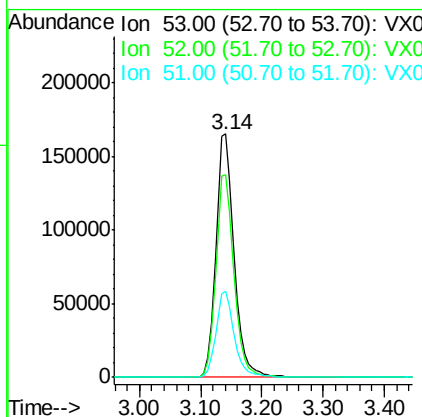
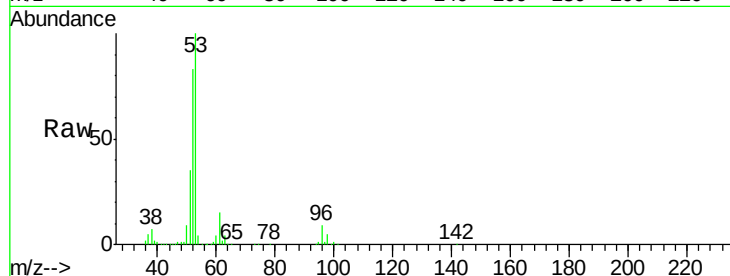
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	346694
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.9	100.3
51	35.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 254.700 ug/l

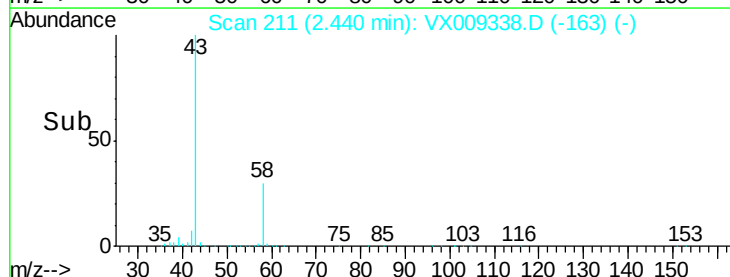
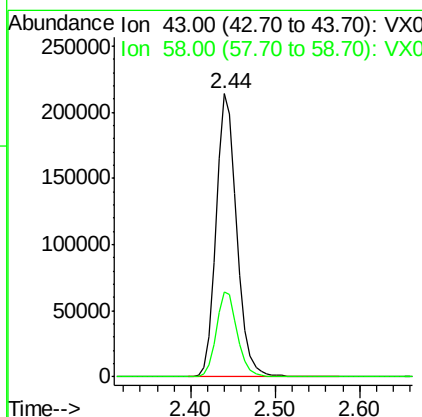
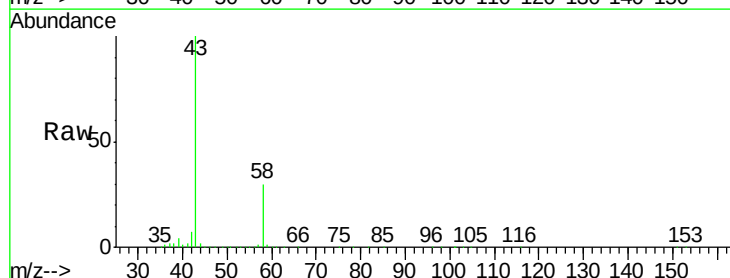
RT: 2.44 min Scan# 211

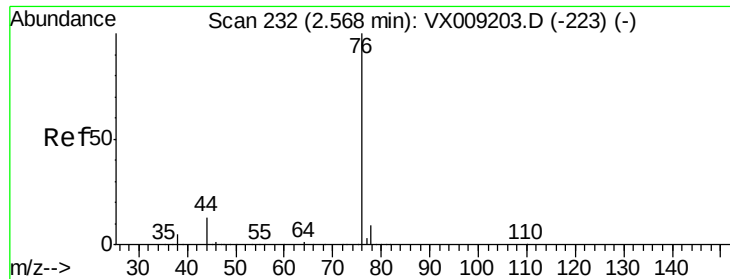
Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Tgt Ion:	43	Resp:	362960
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.9	37.3





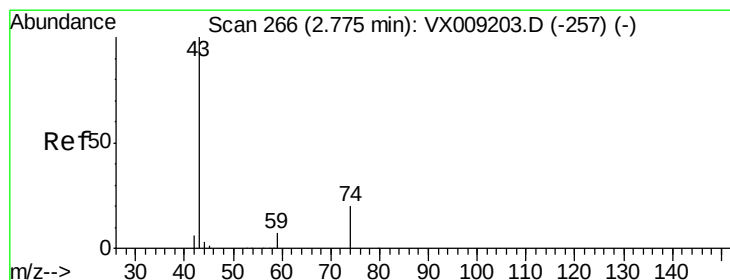
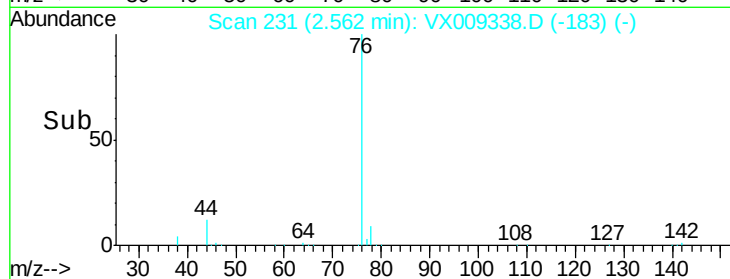
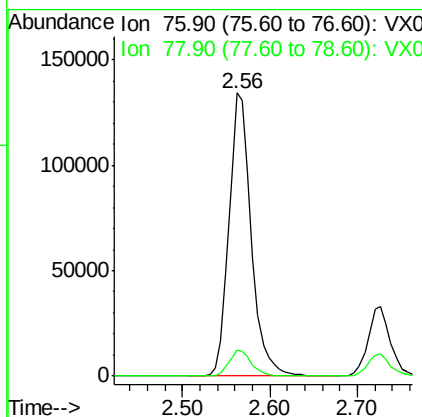
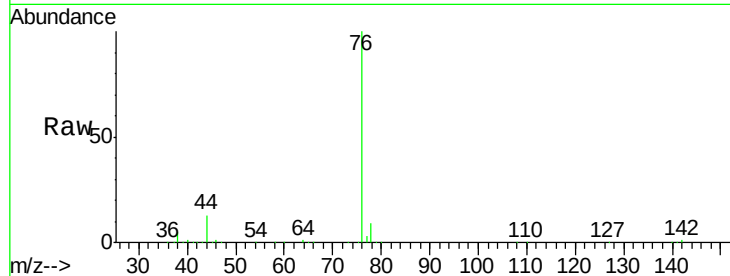
#17
Carbon Disulfide
Concen: 46.489 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

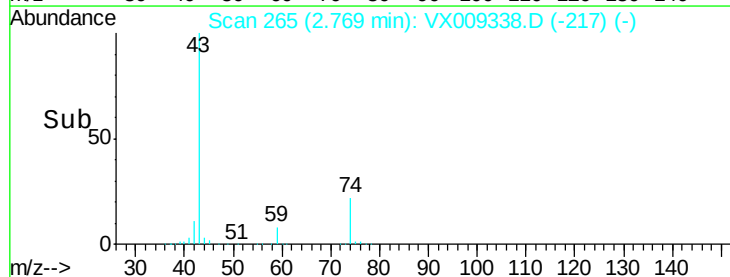
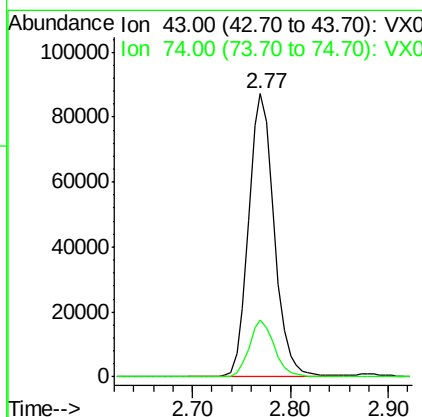
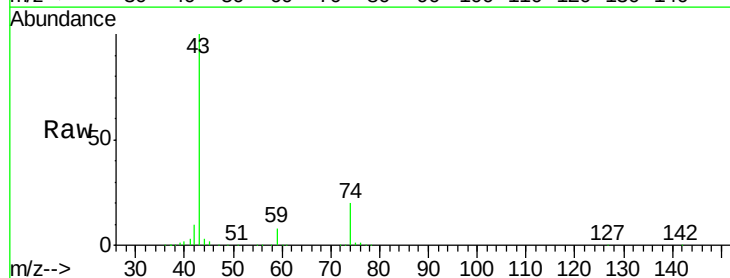
Manual Integrations
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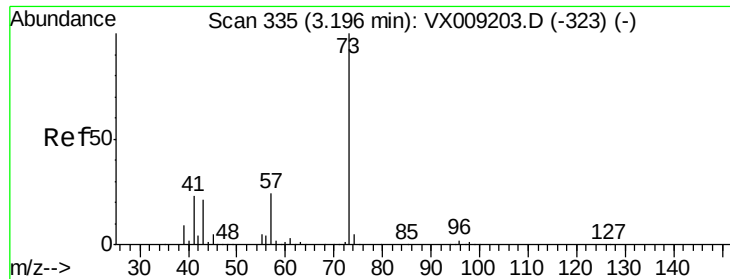
MMDadoda
5/7/2019 9:41:45 AM



#18
Methyl Acetate
Concen: 46.627 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.2	24.4





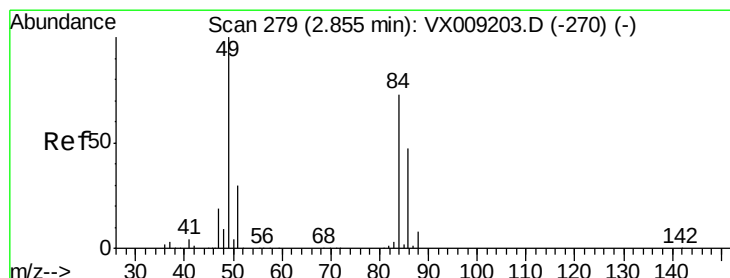
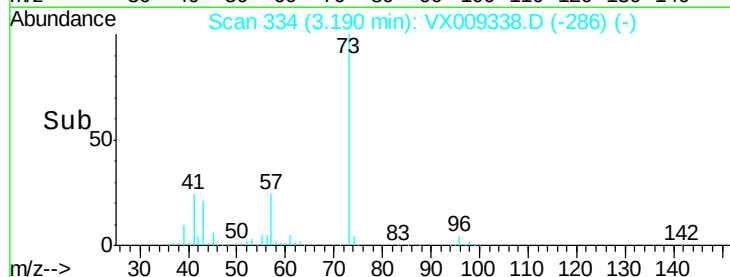
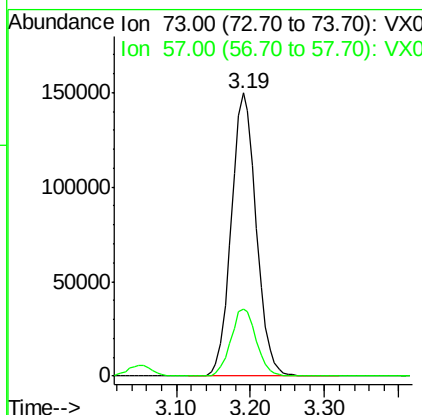
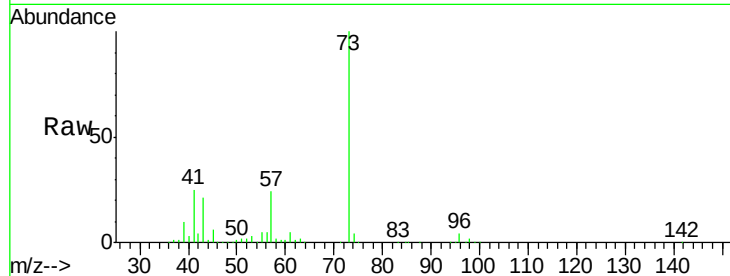
#19
Methyl tert-butyl Ether
Concen: 49.683 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.3	28.9

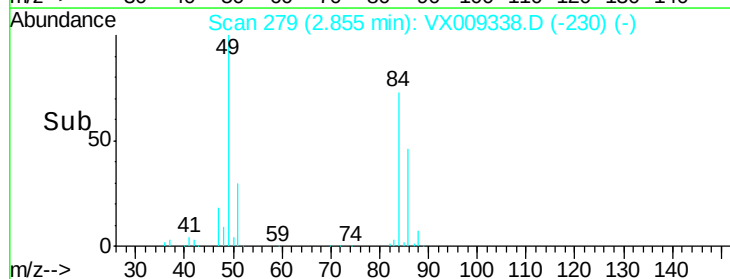
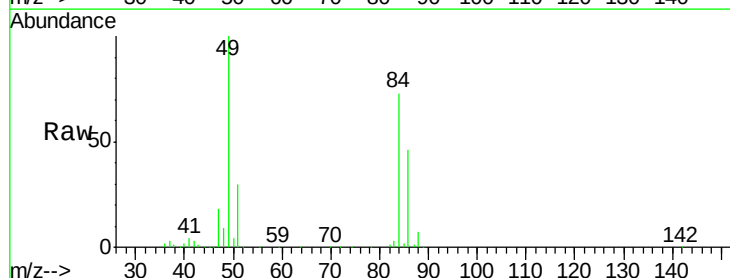
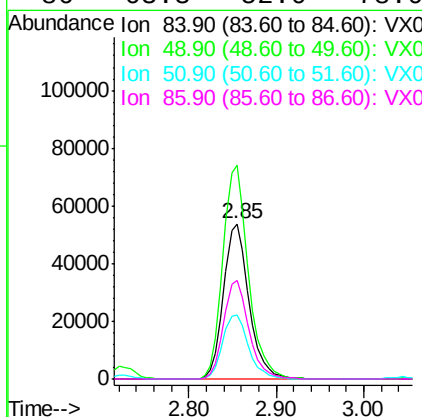
Manual Integrations
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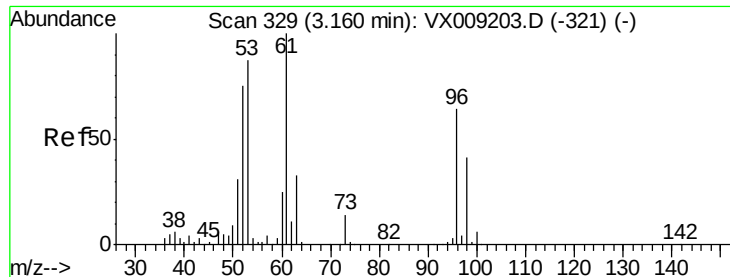
MMDadoda
5/7/2019 9:41:45 AM



#20
Methylene Chloride
Concen: 46.939 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.4	109.9	164.9
51	41.3	32.7	49.1
86	63.3	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 48.226 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

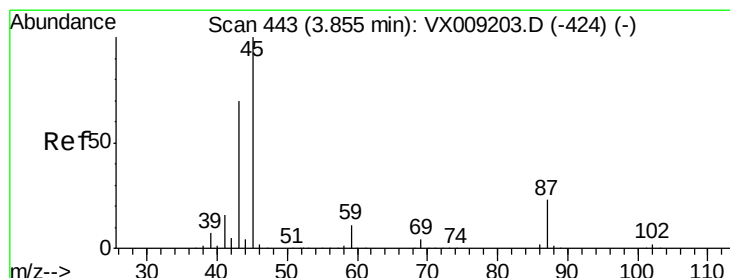
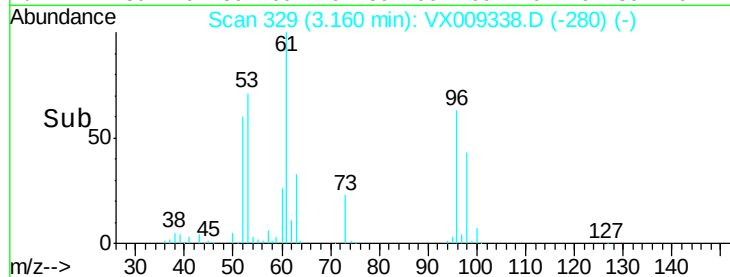
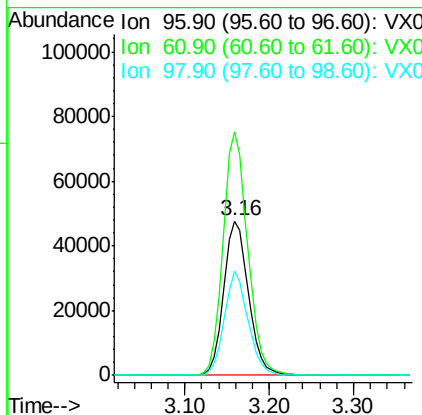
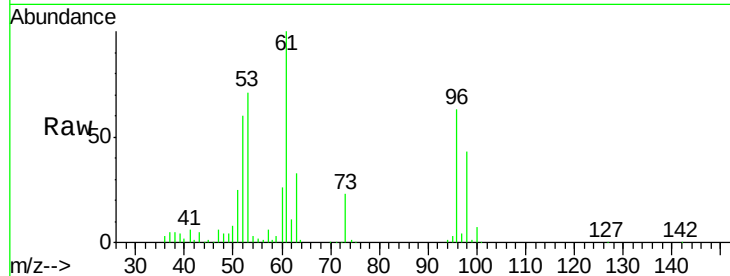
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	95404
Ion	Ratio	Lower	Upper
96	100		
61	157.7	124.5	186.7
98	67.5	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:41:45 AM



#22

Diisopropyl ether

Concen: 49.801 ug/l

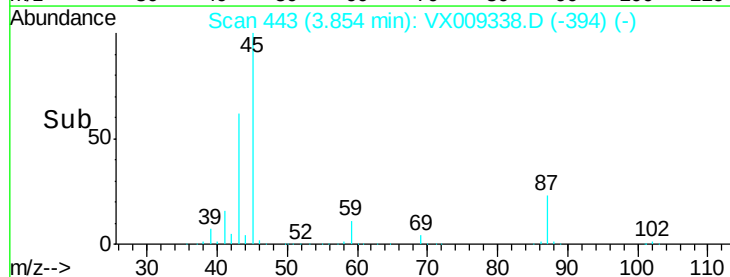
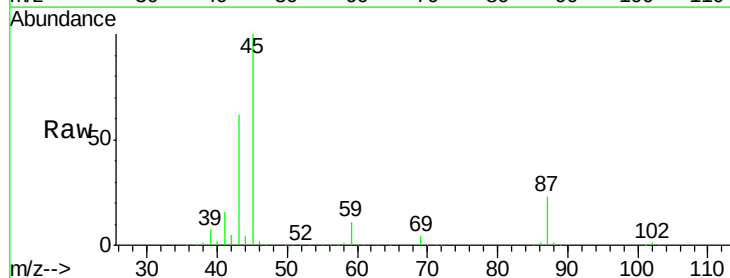
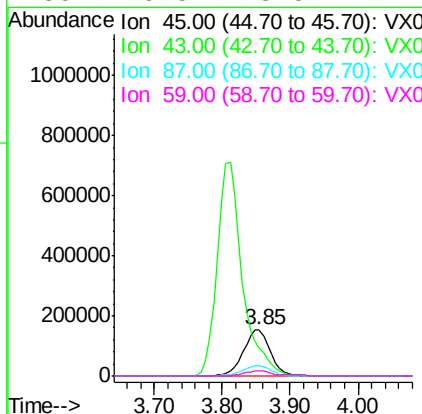
RT: 3.85 min Scan# 443

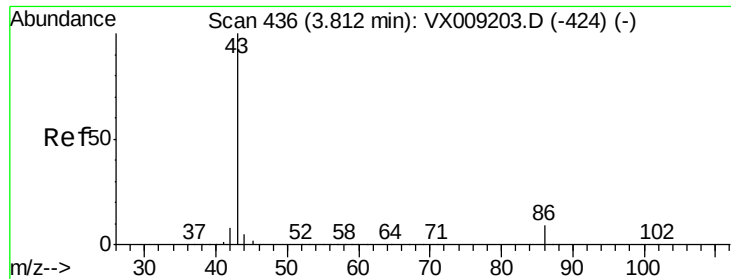
Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Tgt Ion:	45	Resp:	425750
Ion	Ratio	Lower	Upper
45	100		
43	61.8	56.1	84.1
87	22.7	18.1	27.1
59	10.5	8.5	12.7





#23

Vinyl Acetate

Concen: 251.025 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1837653

Ion Ratio Lower Upper

43 100

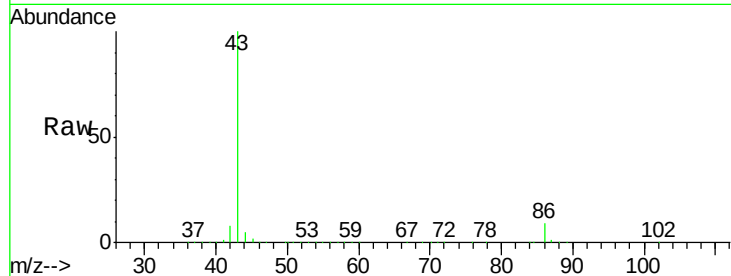
86 8.7 6.9 10.3

Manual Integrations

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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

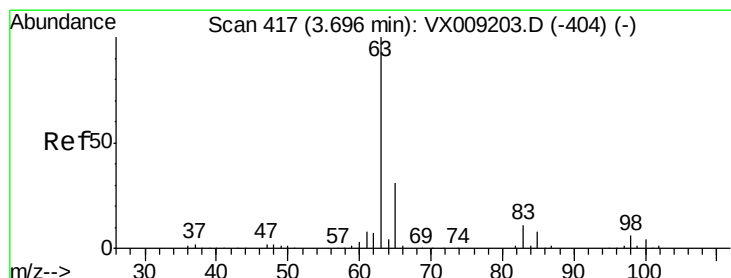
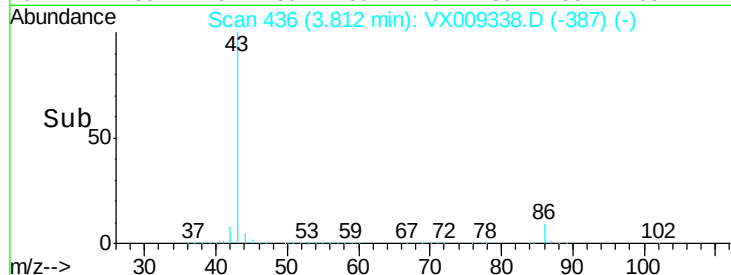
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.670 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

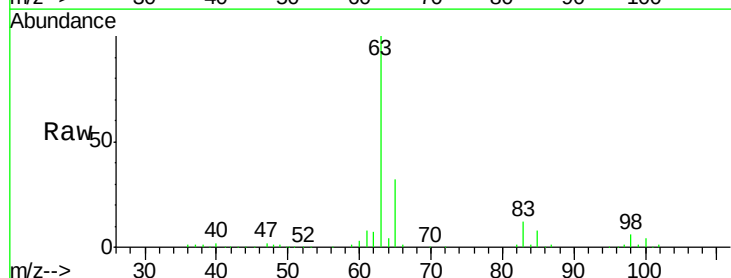
Tgt Ion: 63 Resp: 205256

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.8 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

3.69

120000

100000

80000

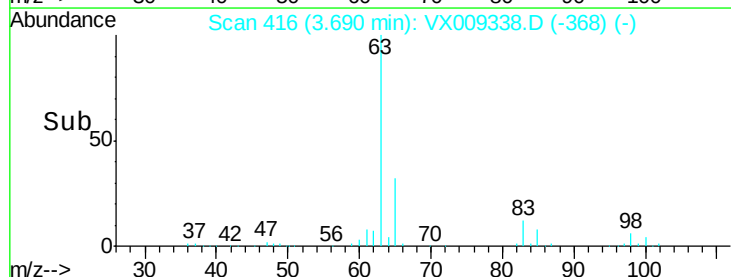
60000

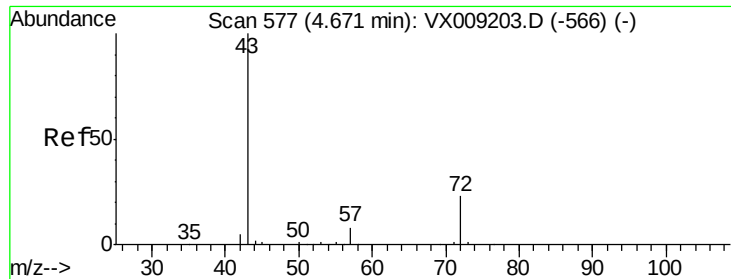
40000

20000

0

Time-->





#25

2-Butanone

Concen: 247.128 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 547260

Ion Ratio Lower Upper

43 100

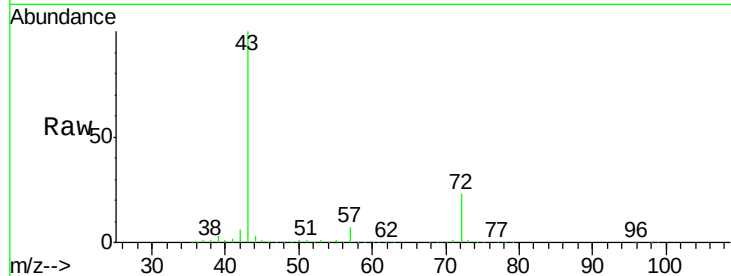
72 22.5 18.2 27.2

Manual Integrations

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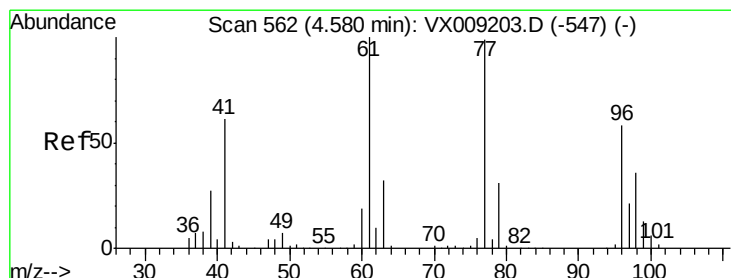
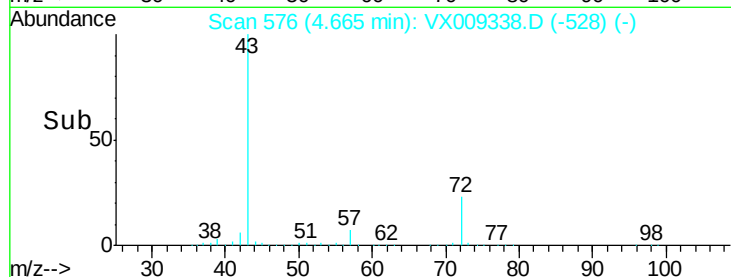
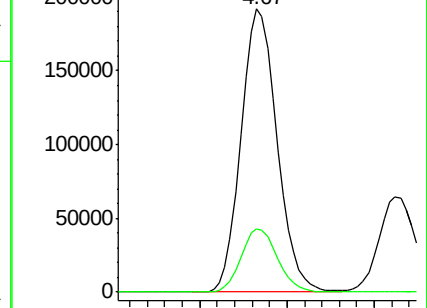
MMDadoda

5/7/2019 9:41:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 51.812 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX009338.D

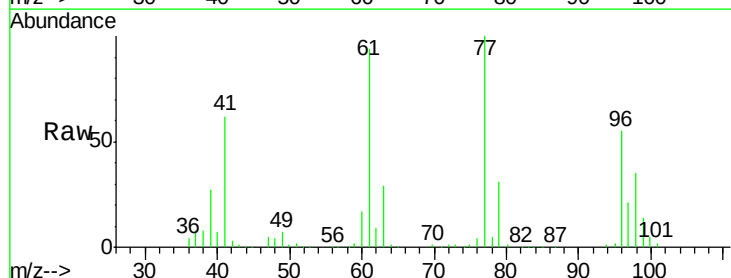
Acq: 06 May 2019 09:55

Tgt Ion: 77 Resp: 162643

Ion Ratio Lower Upper

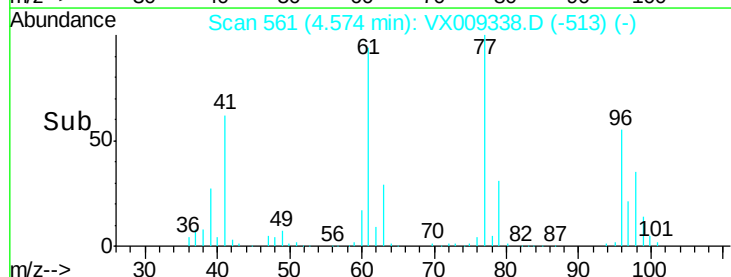
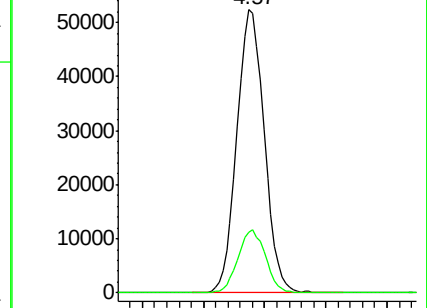
77 100

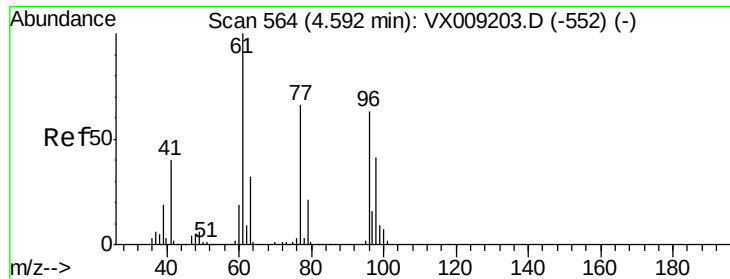
97 22.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

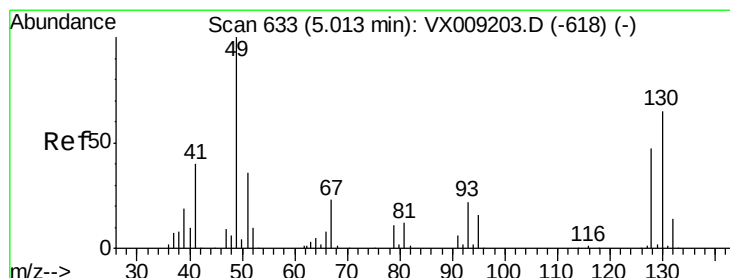
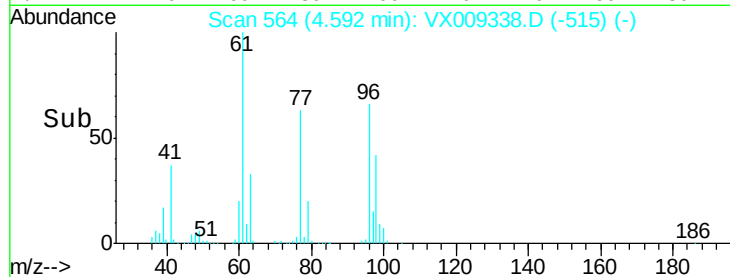
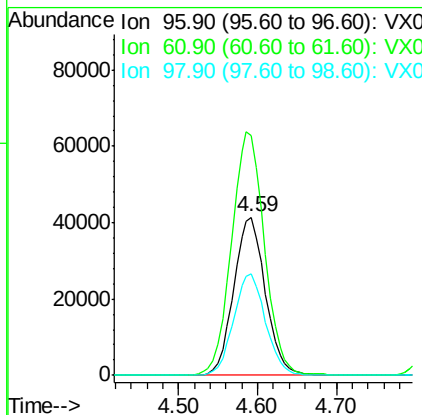
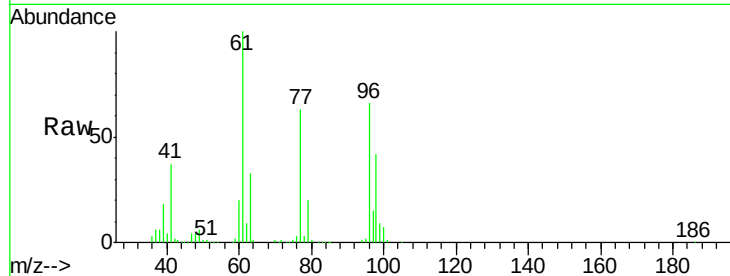
cis-1,2-Dichloroethene
Concen: 48.904 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	115477		
61	160.5	0.0	324.0	
98	64.9	0.0	130.4	

Manual Integrations
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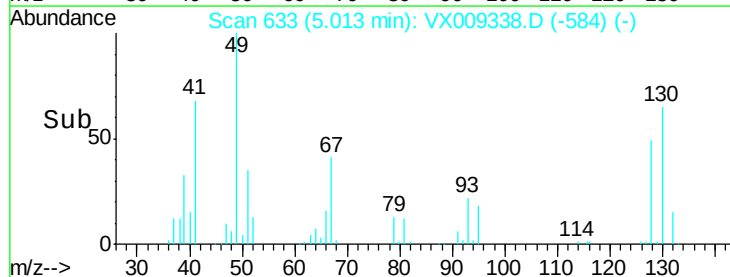
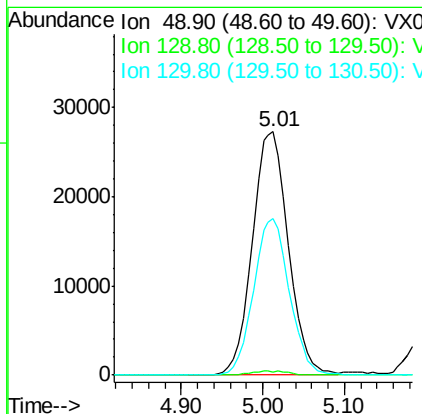
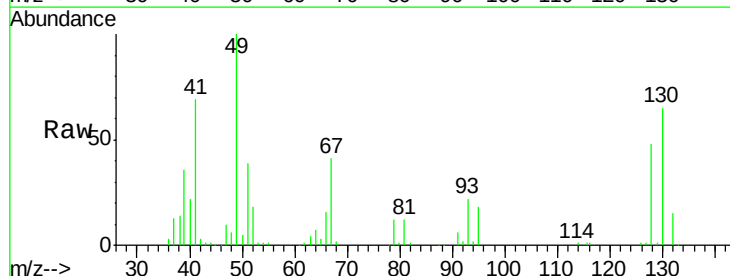
MMDadoda
5/7/2019 9:41:45 AM

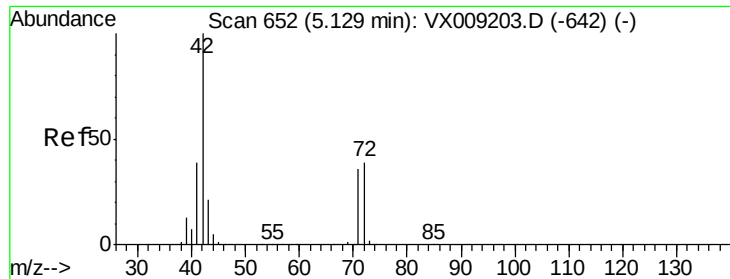


#28

Bromochloromethane
Concen: 49.311 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83778		
129	1.7	0.0	3.8	
130	63.8	51.2	76.8	





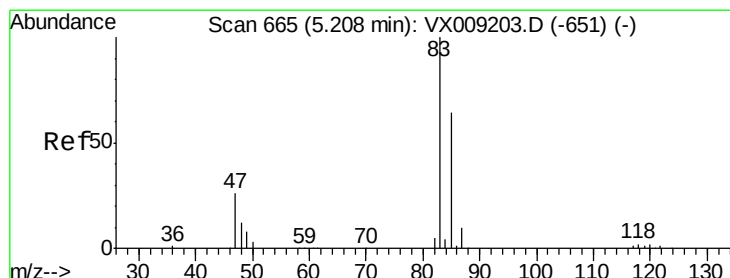
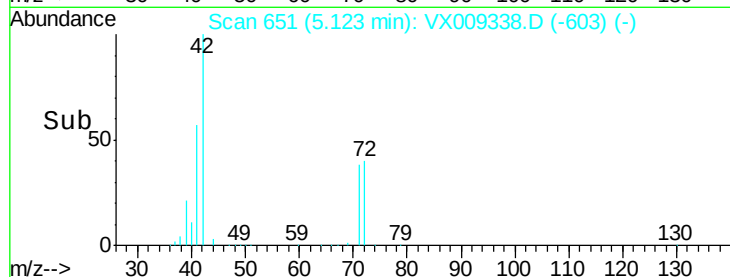
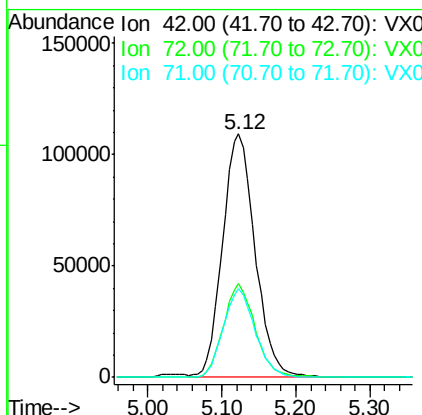
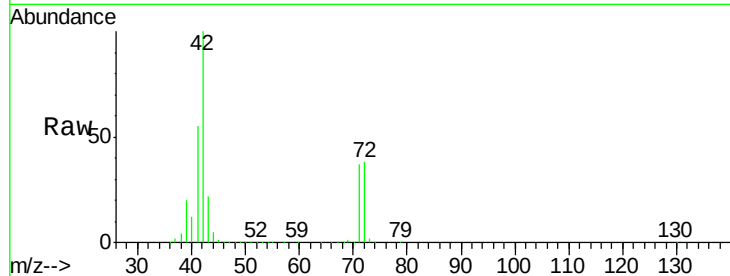
#29
Tetrahydrofuran
Concen: 232.528 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	331354
Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.4	45.6
71	35.9	28.6	43.0

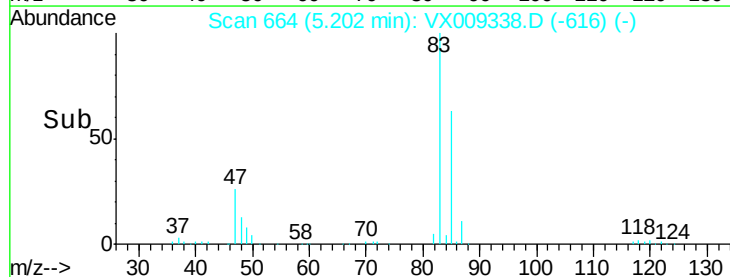
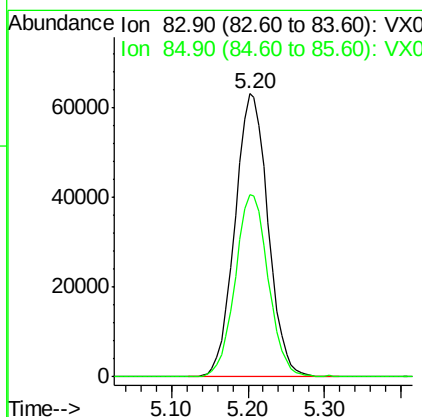
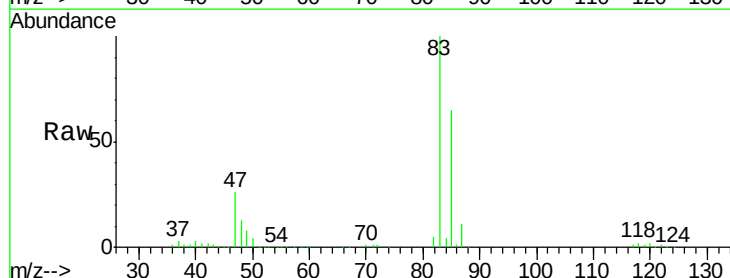
Manual Integrations
APPROVED

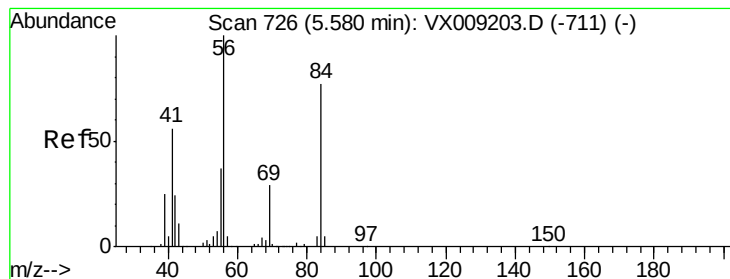
MMDadoda
5/7/2019 9:41:45 AM



#30
Chloroform
Concen: 49.579 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion:	83	Resp:	189110
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3





#31

Cyclohexane

Concen: 48.717 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

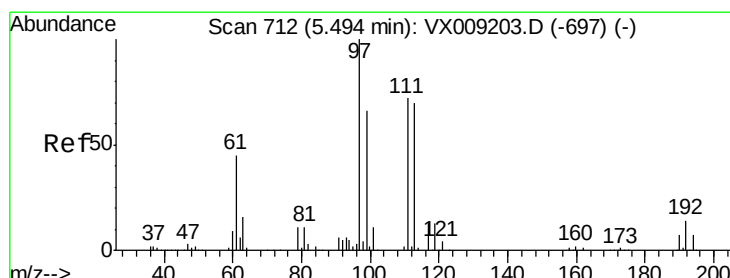
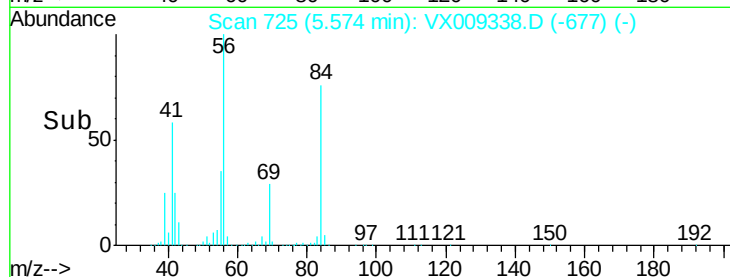
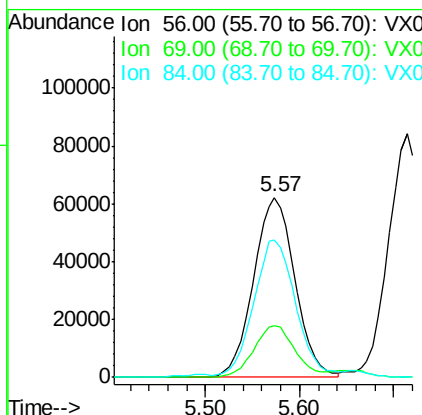
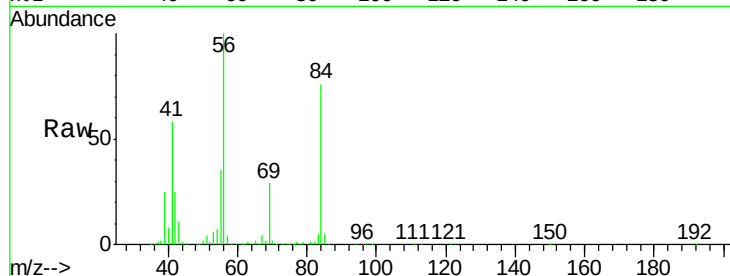
ClientSampled :

VSTDCCC050

Tot Ion	56	Resp	191150
Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.4	35.0
84	75.2	61.9	92.9

Manual Integrations
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5/7/2019 9:41:45 AM



#32

1,1,1-Trichloroethane

Concen: 50.064 ug/l

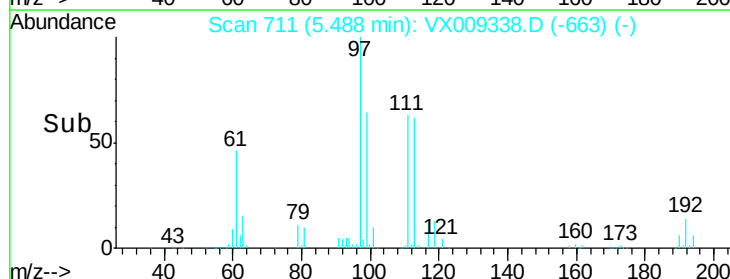
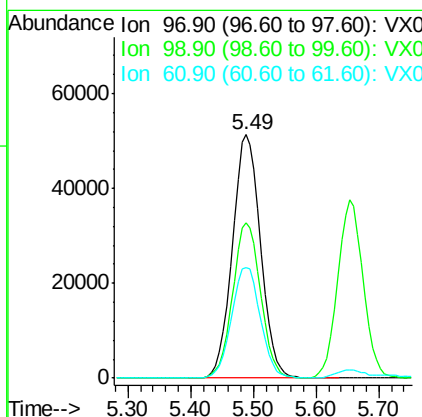
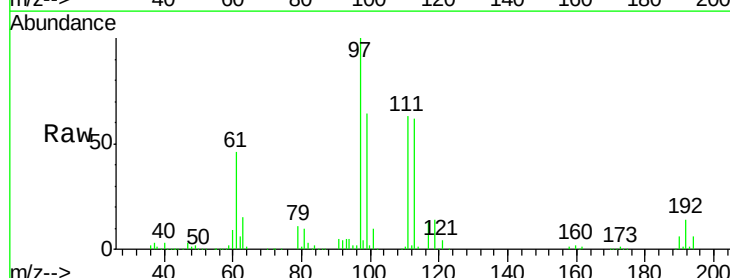
RT: 5.49 min Scan# 711

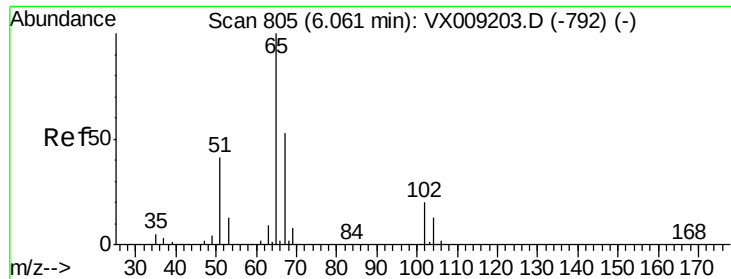
Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Tgt Ion	97	Resp	158964
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.8
61	46.8	37.8	56.8





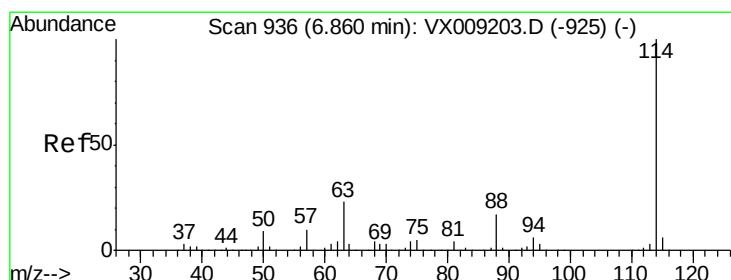
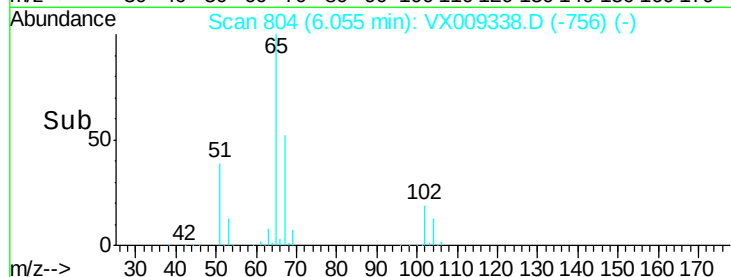
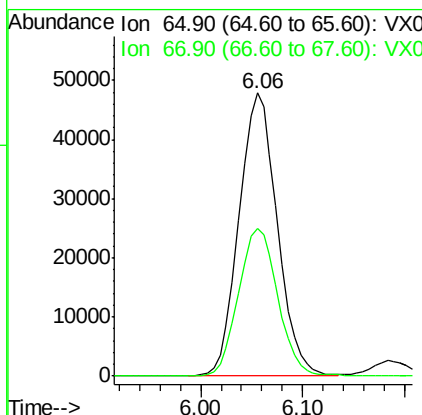
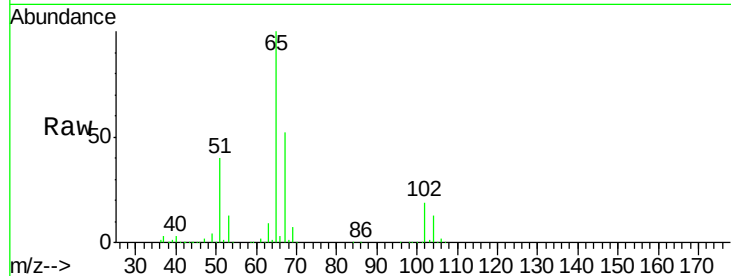
#33
 1,2-Dichloroethane-d4
 Concen: 46.931 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.6

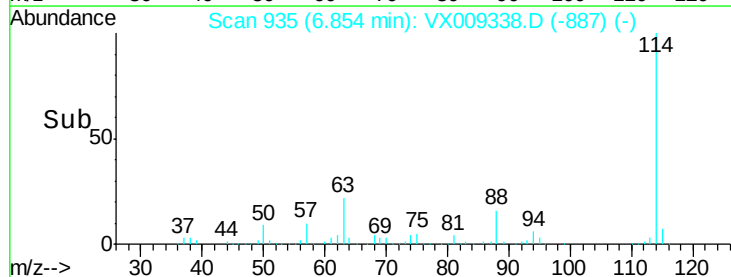
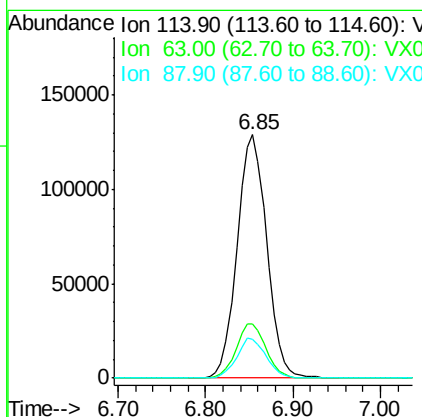
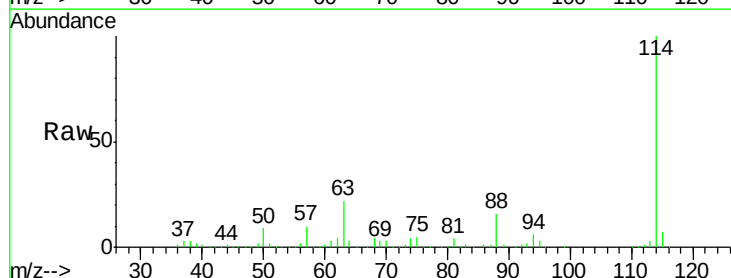
Manual Integrations
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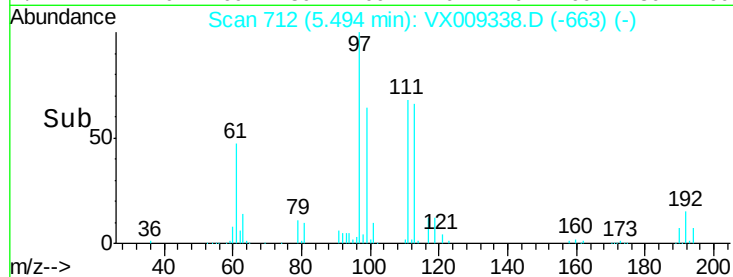
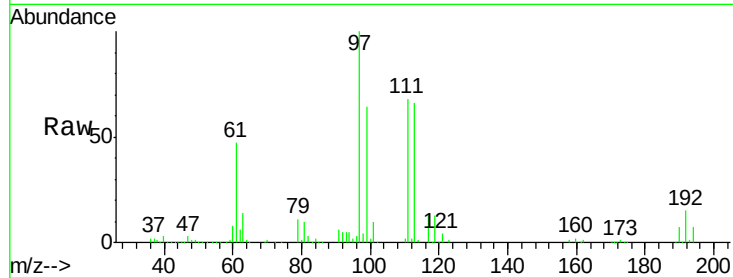
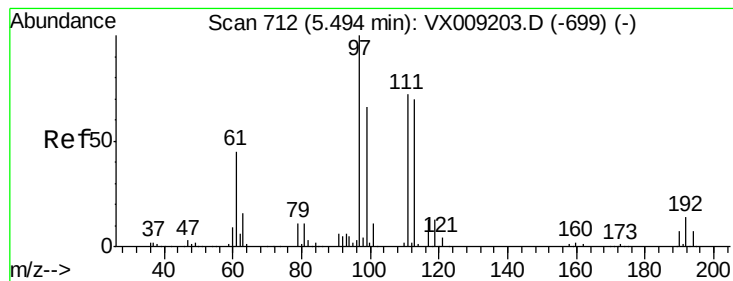
MMDadoda
 5/7/2019 9:41:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	45.6
88	16.0	0.0	33.2





#35

Dibromofluoromethane

Concen: 49.257 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009338.D

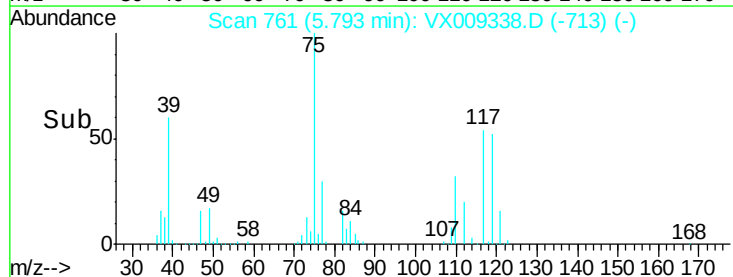
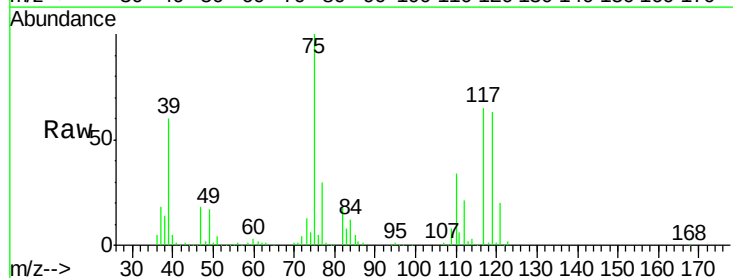
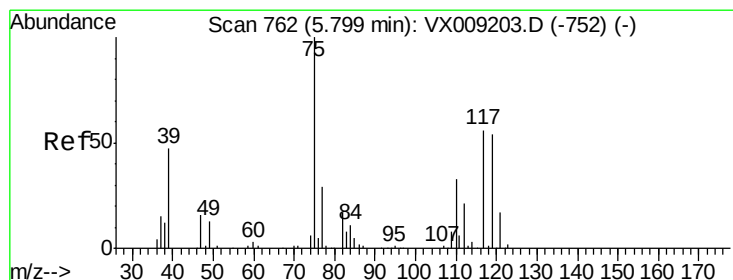
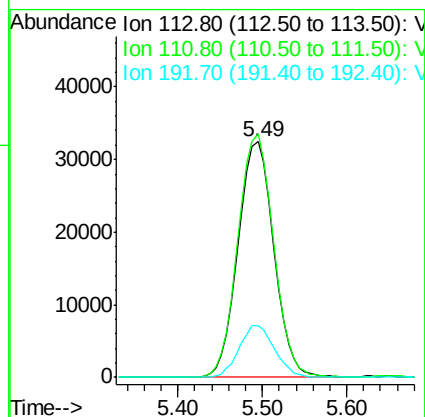
Acq: 06 May 2019 09:55

Tot Ion:	113	Resp:	93927
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	21.7	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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MMDadoda
5/7/2019 9:41:45 AM



#36

1,1-Dichloropropene

Concen: 51.045 ug/l

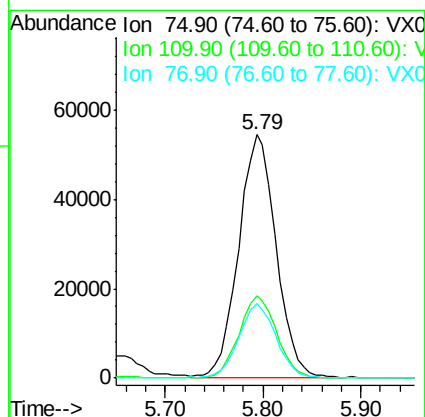
RT: 5.79 min Scan# 761

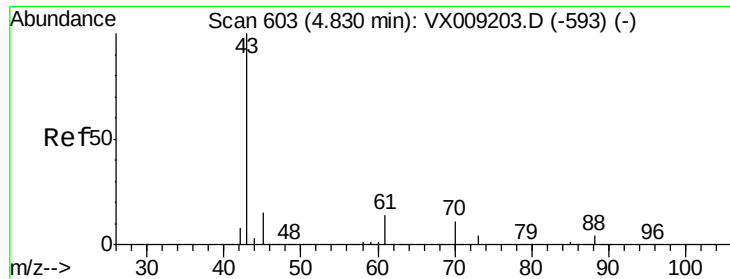
Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Tgt Ion:	75	Resp:	143891
Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	30.9	24.8	37.2





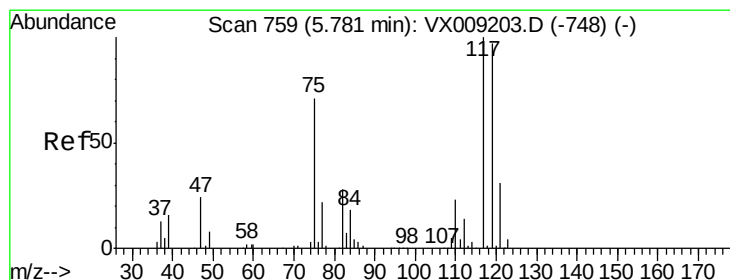
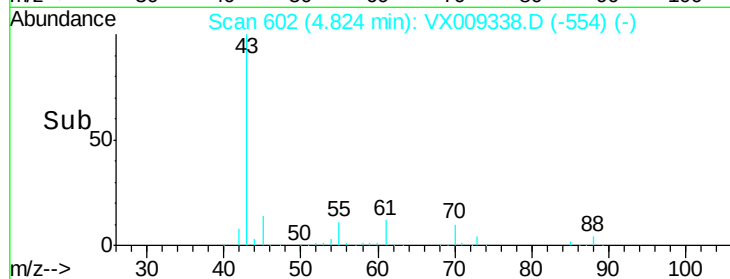
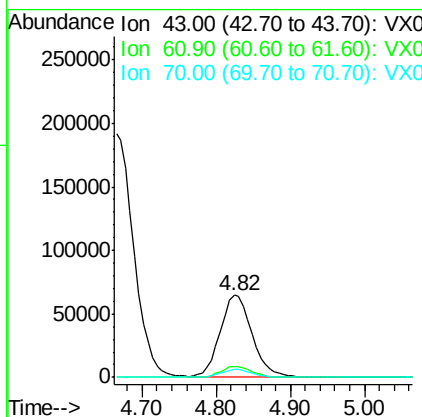
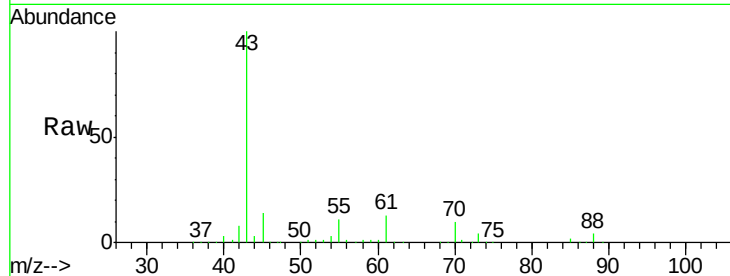
#37
Ethyl Acetate
Concen: 48.867 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.7	7.9	11.9

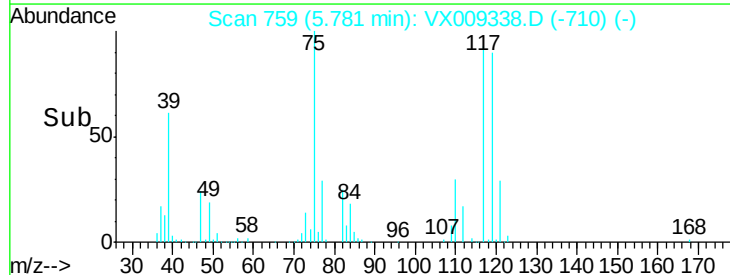
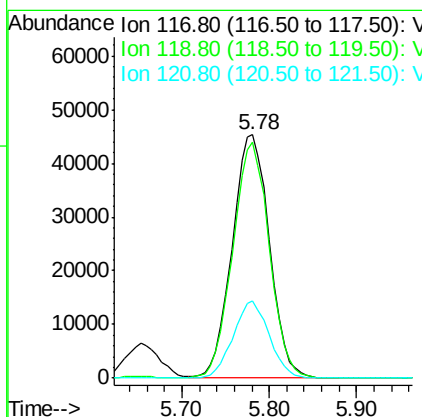
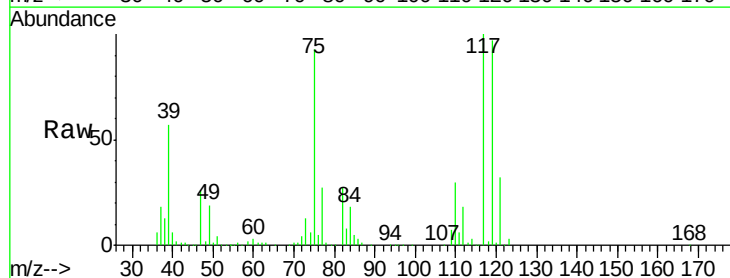
Manual Integrations
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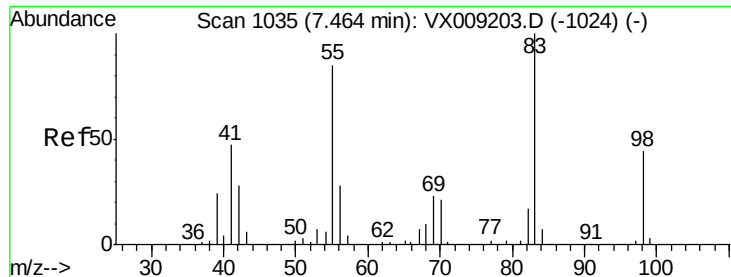
MMDadoda
5/7/2019 9:41:45 AM



#38
Carbon Tetrachloride
Concen: 52.170 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.5	116.3
121	31.7	24.7	37.1





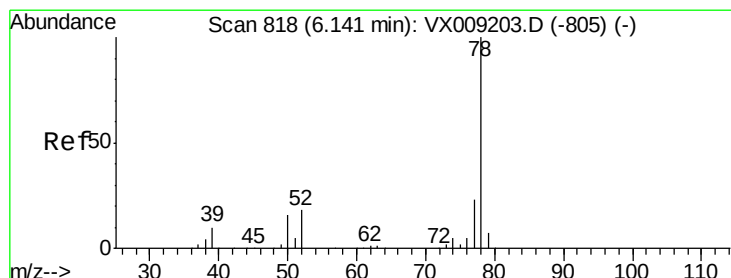
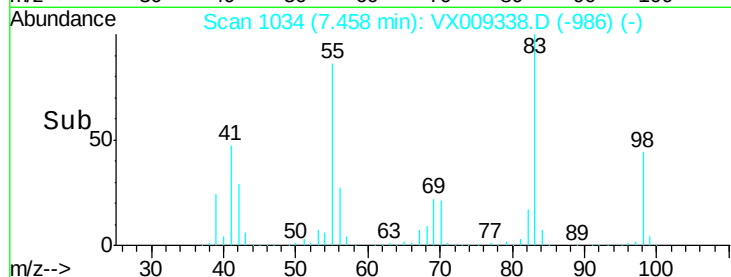
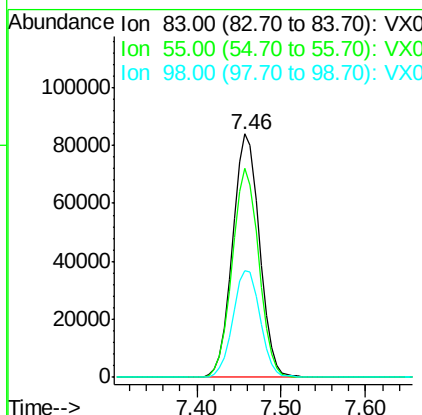
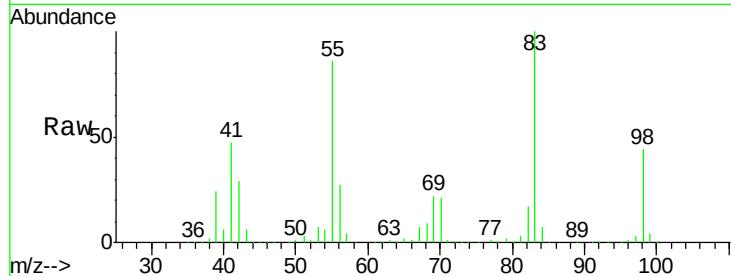
#39
Methylvlcyclohexane
Concen: 52.166 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	83	Resp	180593
Ion Ratio	Lower	Upper	
83	100		
55	85.9	67.7	101.5
98	44.0	35.5	53.3

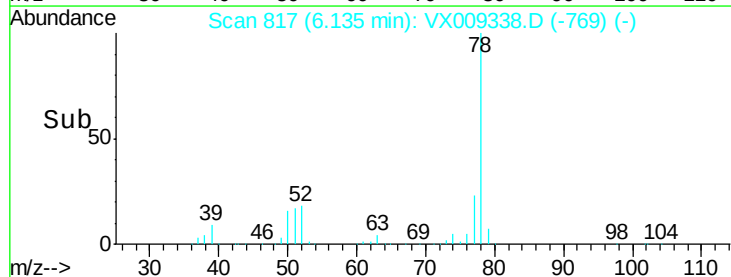
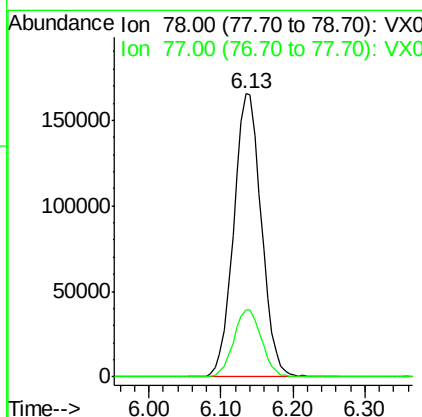
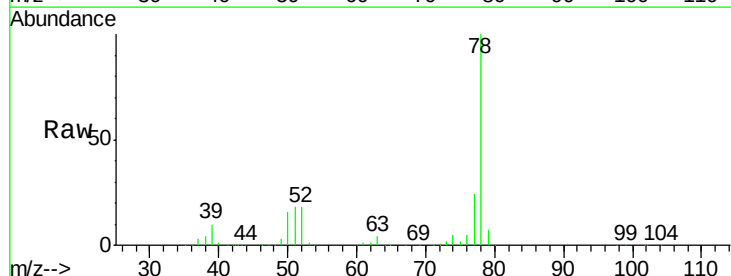
Manual Integrations
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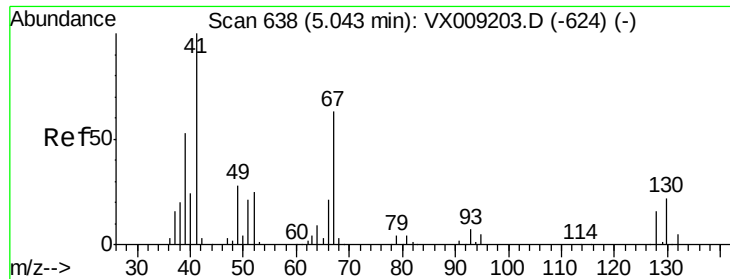
MMDadoda
5/7/2019 9:41:45 AM



#40
Benzene
Concen: 50.558 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion	78	Resp	441072
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.8	28.2





#41

Methacrylonitrile

Concen: 47.652 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

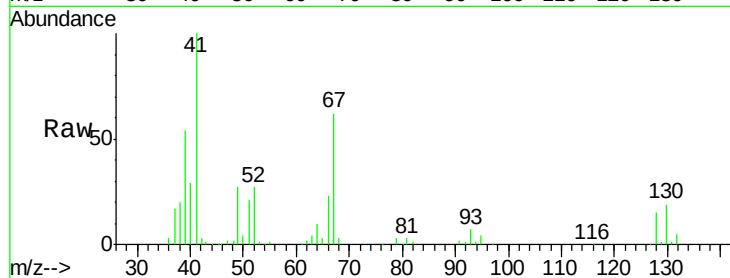
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	111410
Ion	Ratio	Lower	Upper
41	100		
39	52.2	42.0	63.0
67	62.7	49.8	74.8
52	27.0	20.3	30.5

Manual Integrations
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MMDadoda
5/7/2019 9:41:45 AM

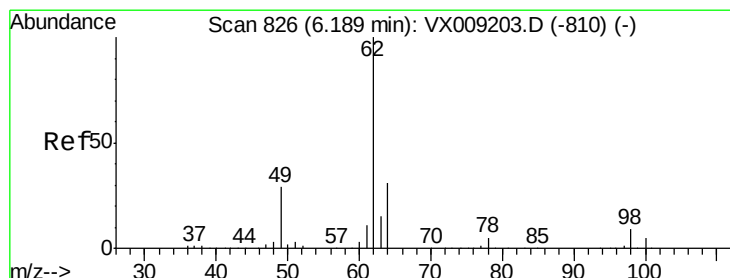
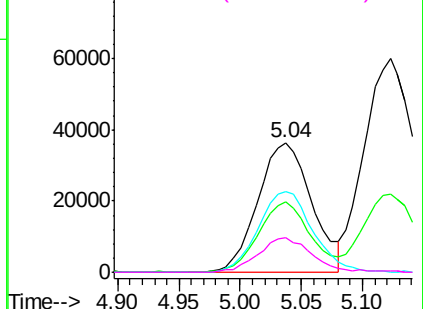
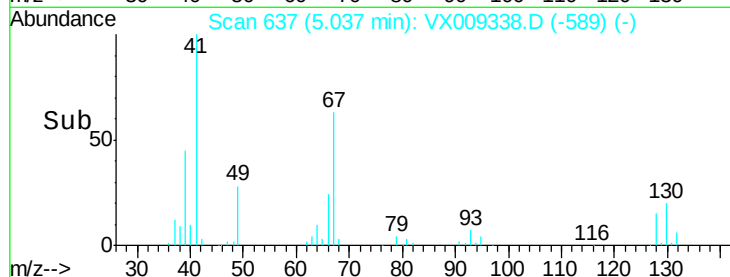


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 50.536 ug/l

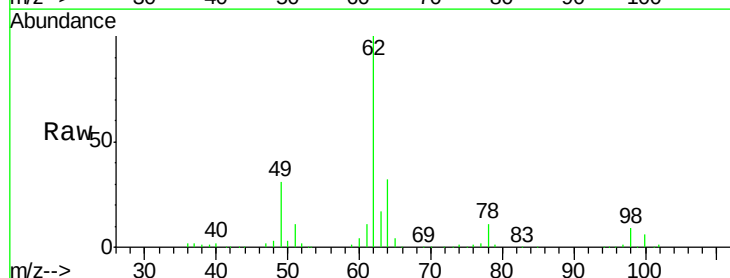
RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX009338.D

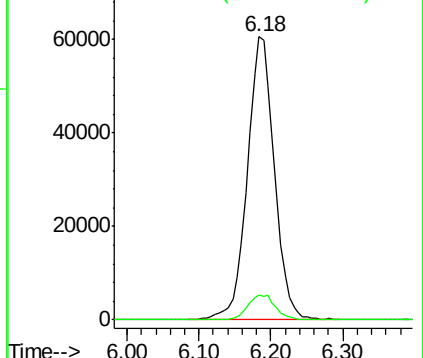
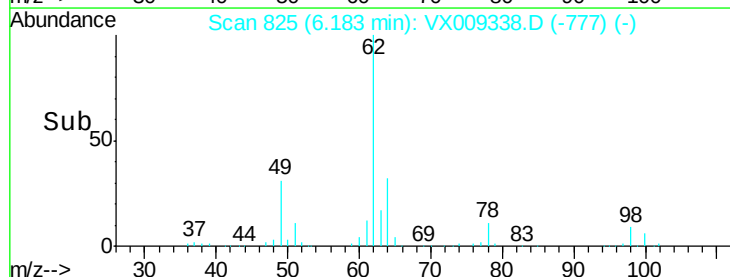
Acq: 06 May 2019 09:55

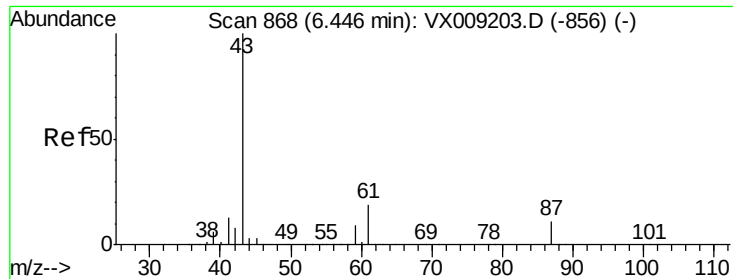
Tgt Ion:	62	Resp:	158152
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





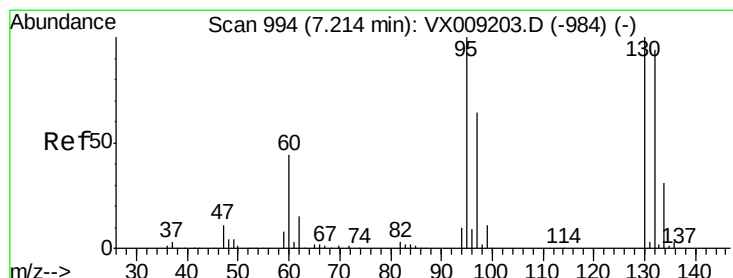
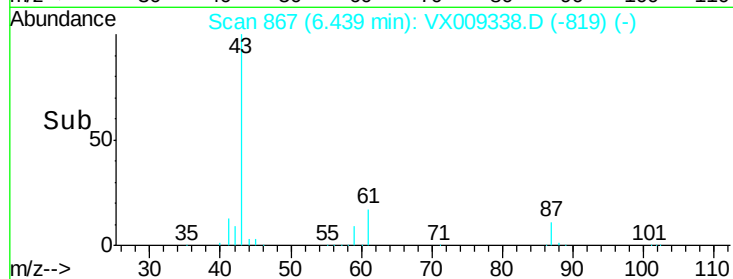
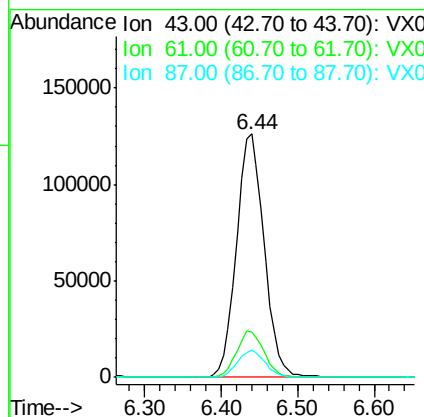
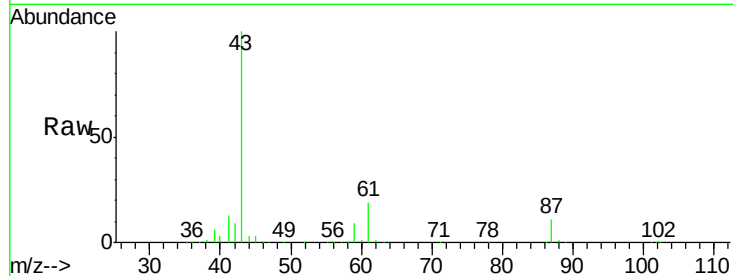
#43
Isopropyl Acetate
Concen: 50.159 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	11.2	9.0	13.6

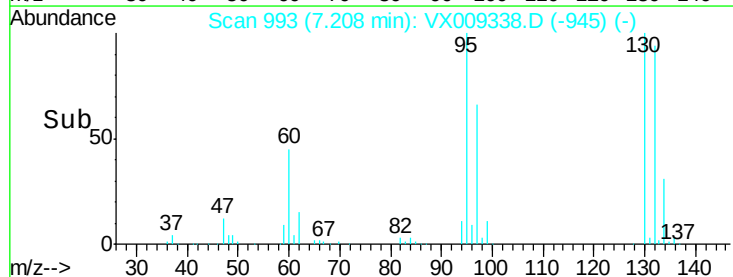
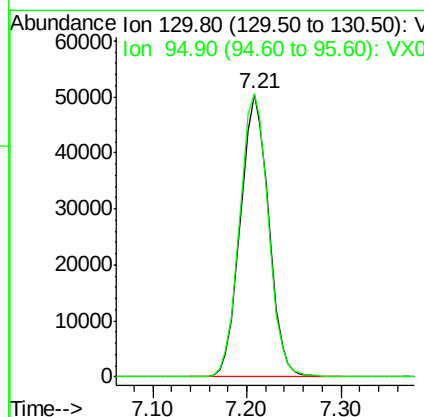
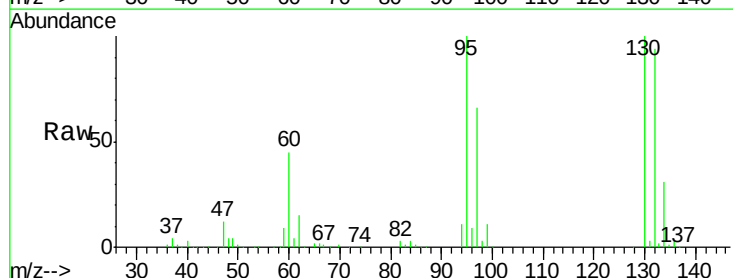
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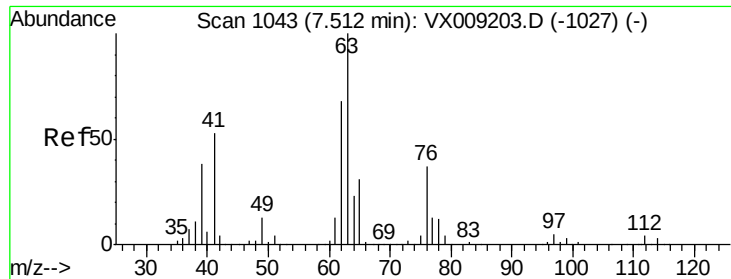
MMDadoda
5/7/2019 9:41:45 AM



#44
Trichloroethene
Concen: 50.358 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	199.2





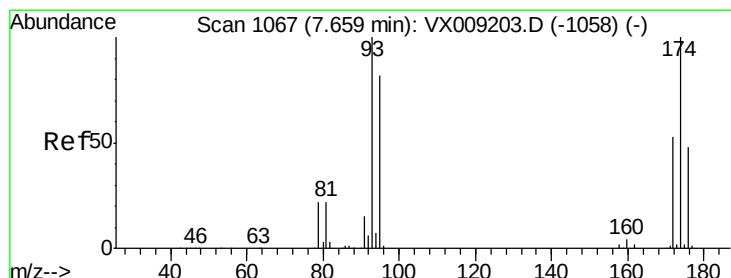
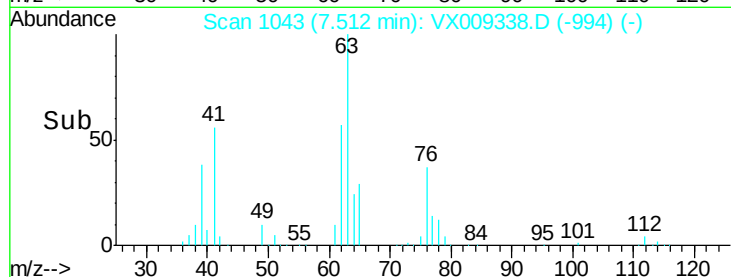
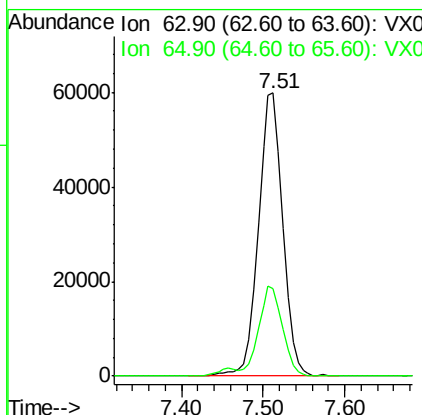
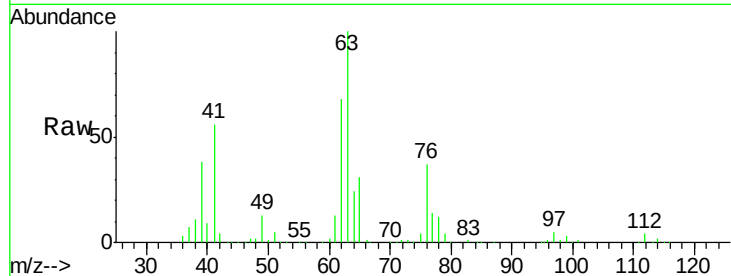
#45
 1,2-Dichloropropane
 Concen: 50.773 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 125426
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

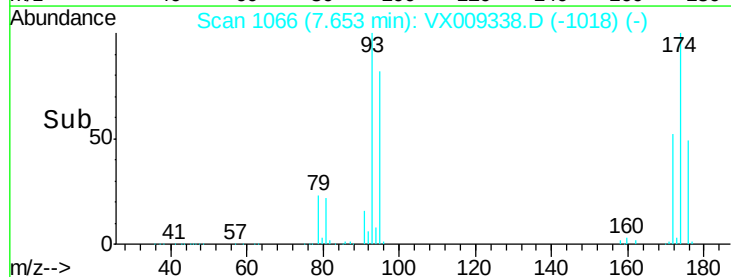
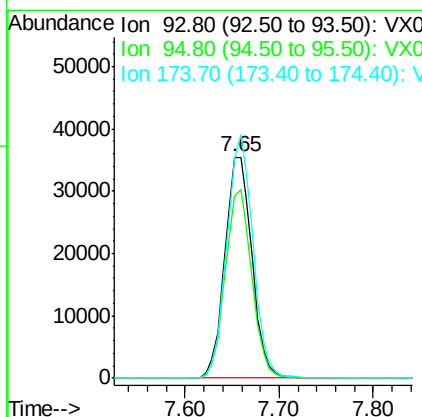
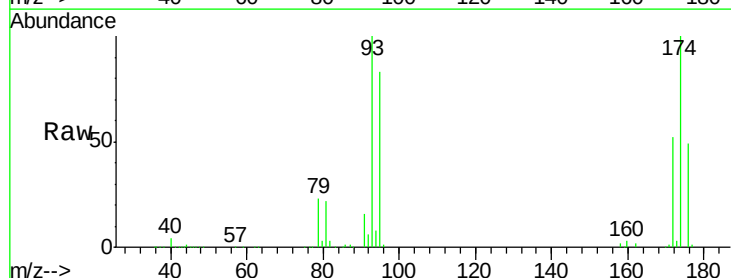
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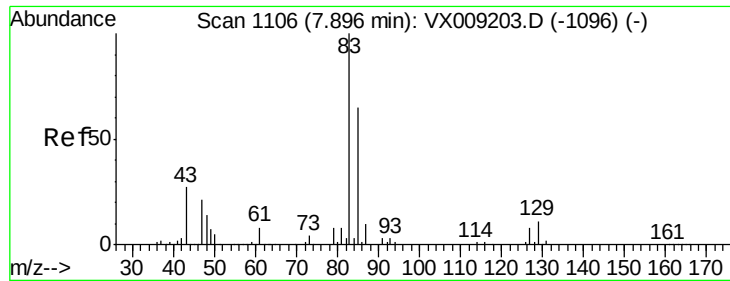
MMDadoda
 5/7/2019 9:41:45 AM



#46
 Dibromomethane
 Concen: 49.199 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Tgt Ion: 93 Resp: 70577
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 106.7 82.1 123.1





#47

Bromodichloromethane

Concen: 52.023 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 148863

Ion Ratio Lower Upper

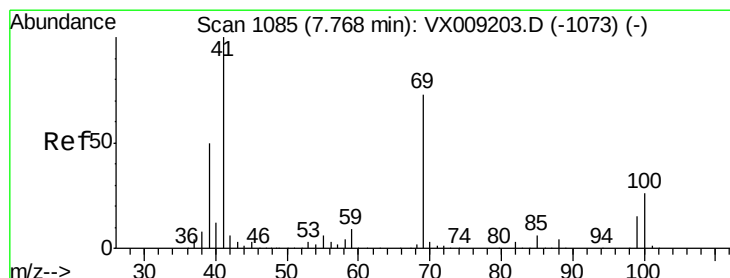
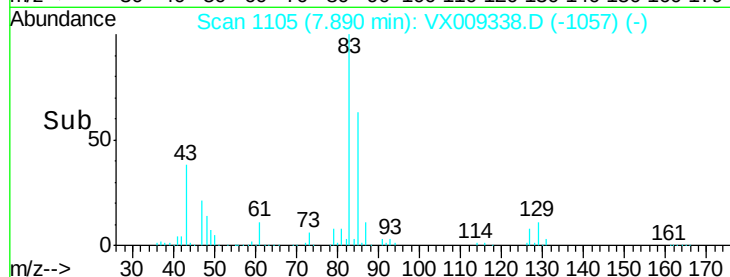
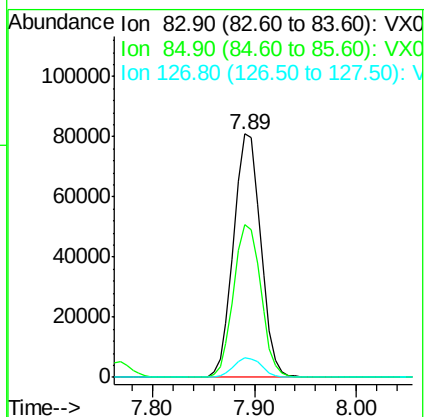
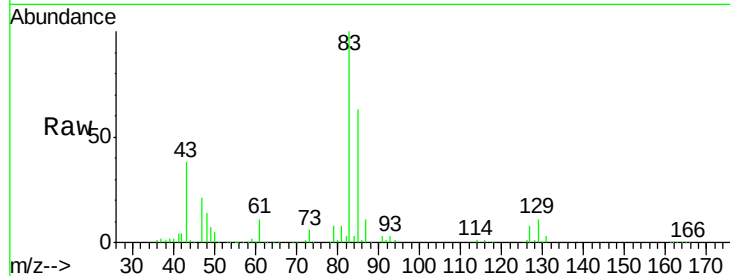
83 100

85 62.9 52.4 78.6

127 8.1 6.6 10.0

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5/7/2019 9:41:45 AM



#48

Methyl methacrylate

Concen: 50.740 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

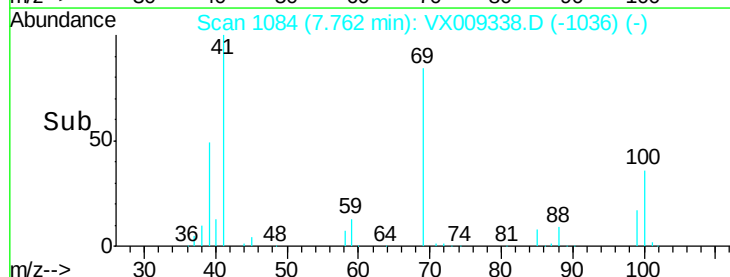
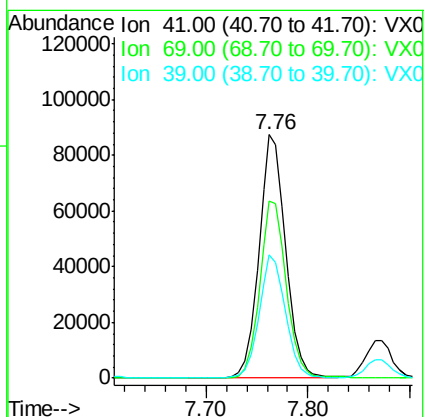
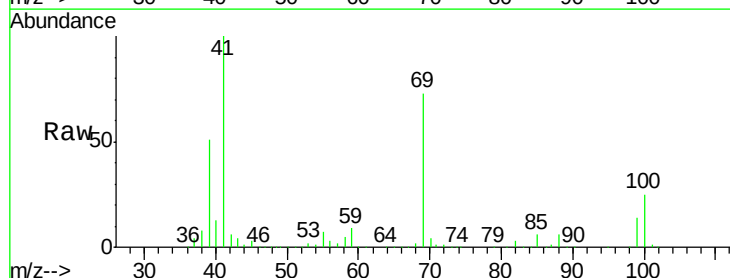
Tgt Ion: 41 Resp: 158149

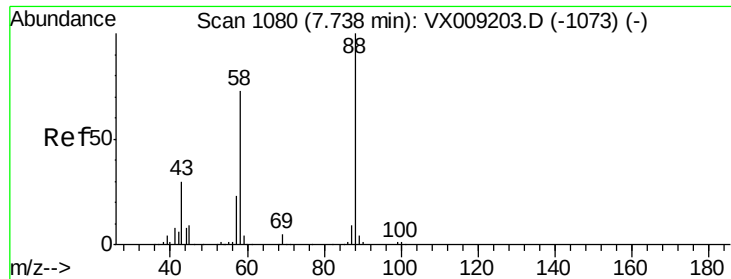
Ion Ratio Lower Upper

41 100

69 73.2 59.1 88.7

39 50.2 40.4 60.6





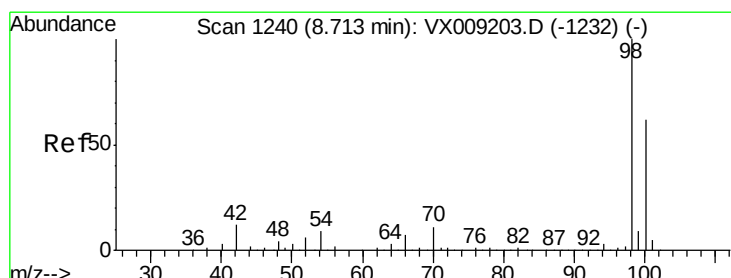
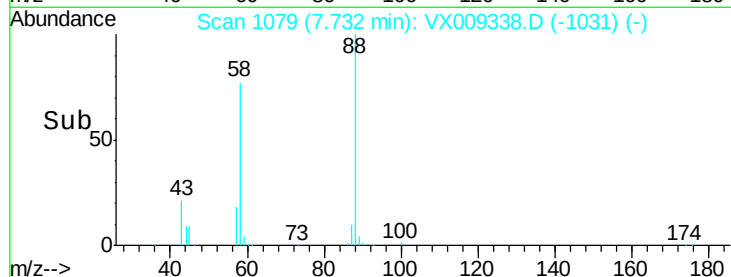
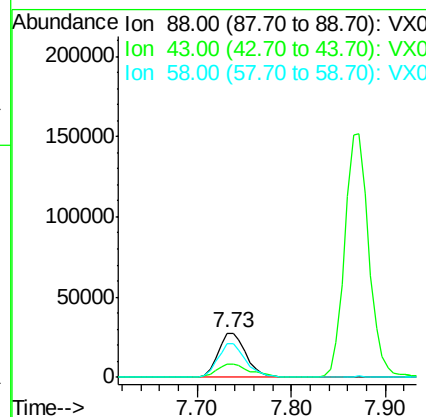
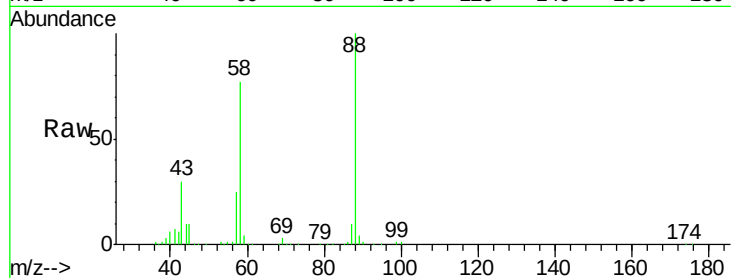
#49
1,4-Dioxane
Concen: 888.761 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.6	42.8
58	78.2	61.7	92.5

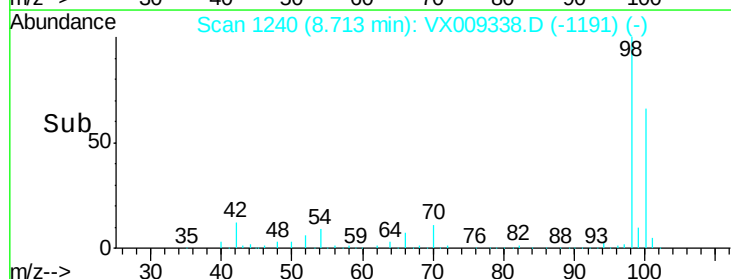
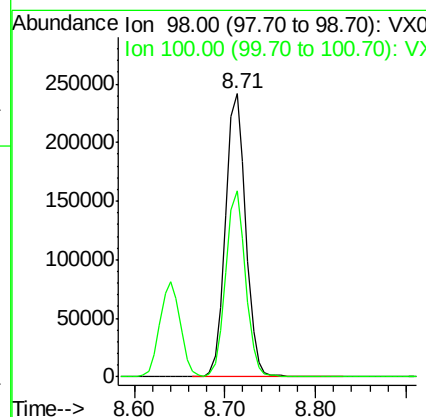
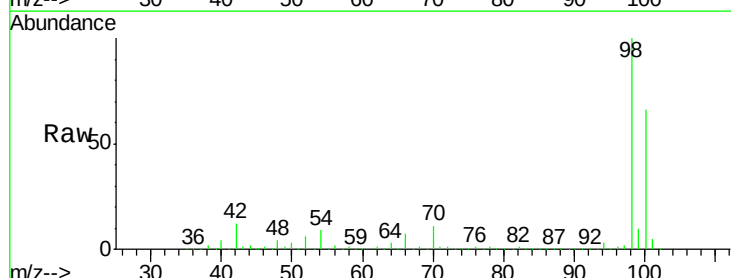
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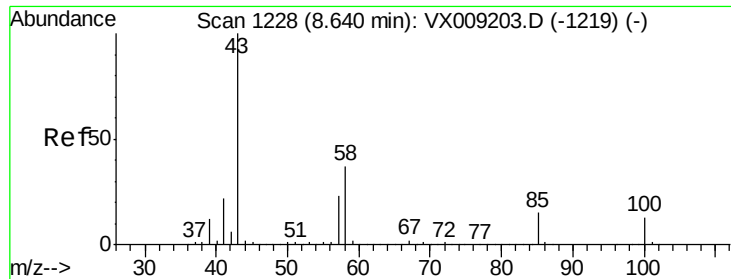
MMDadoda
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#50
Toluene-d8
Concen: 48.906 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 244.752 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1005029

Ion Ratio Lower Upper

43 100

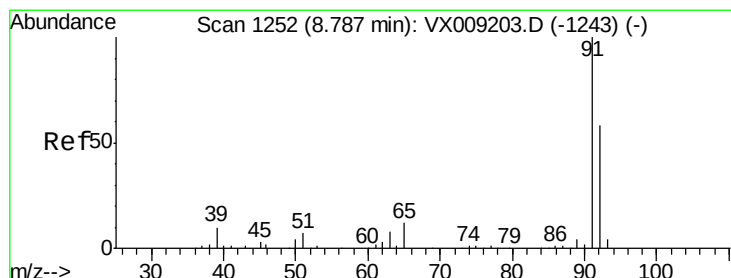
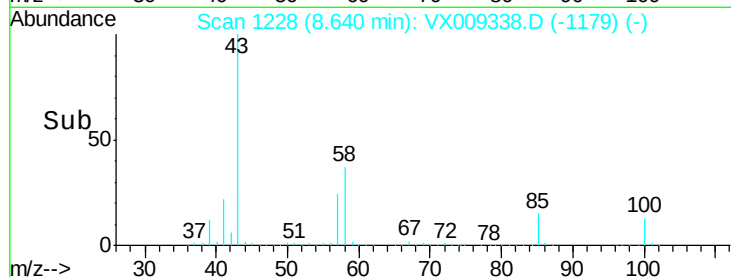
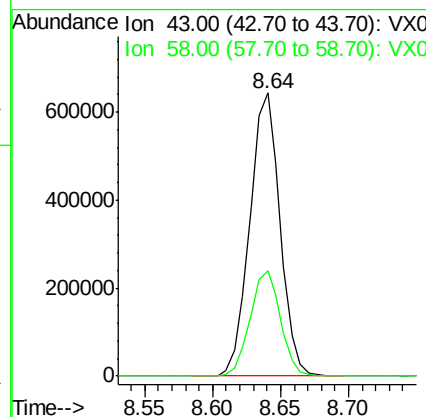
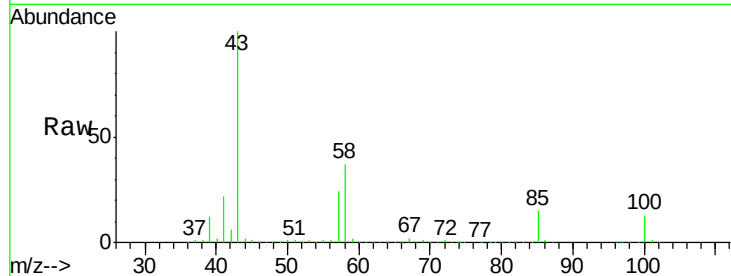
58 37.3 29.5 44.3

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#52

Toluene

Concen: 50.763 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009338.D

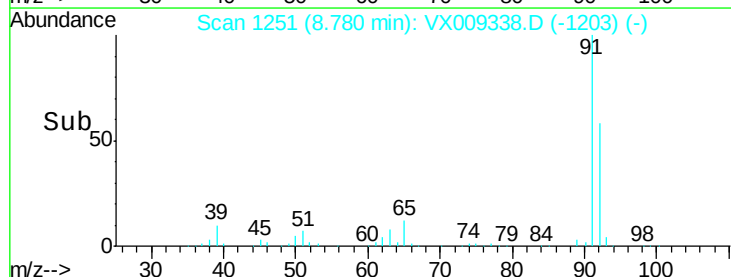
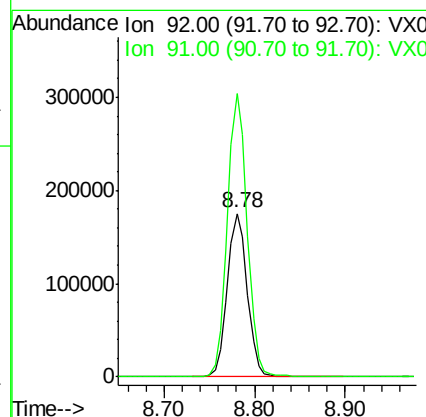
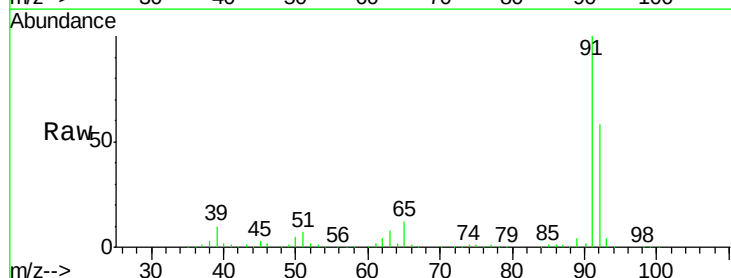
Acq: 06 May 2019 09:55

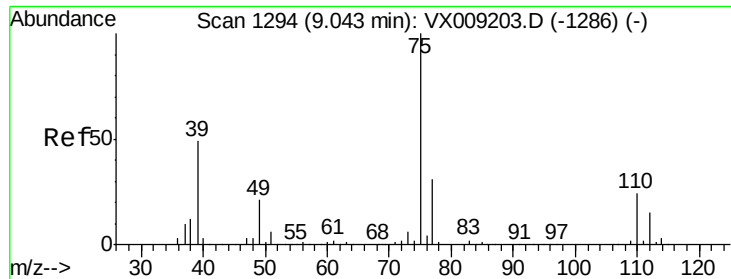
Tgt Ion: 92 Resp: 269203

Ion Ratio Lower Upper

92 100

91 172.3 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 53.855 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Tot Ion: 75 Resp: 173988

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.6

Instrument :

MSVOA_X

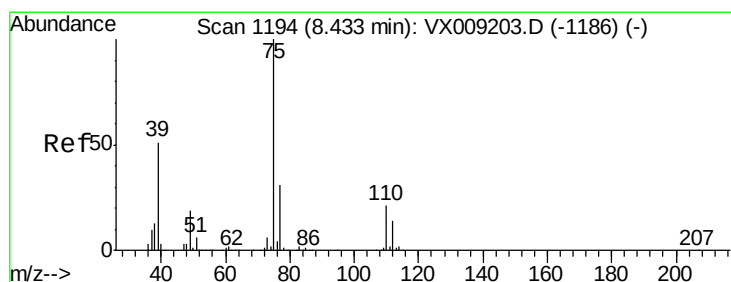
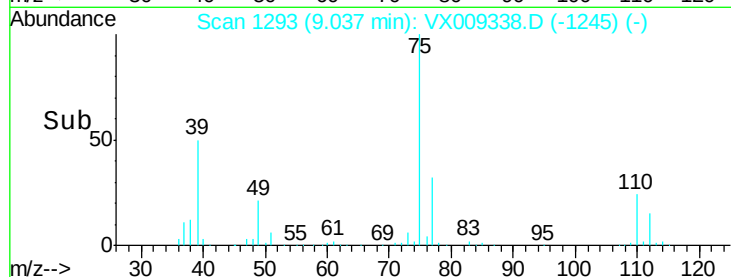
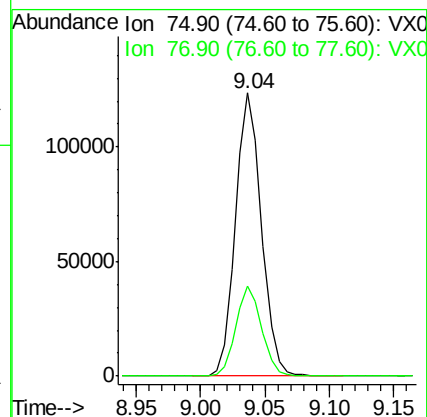
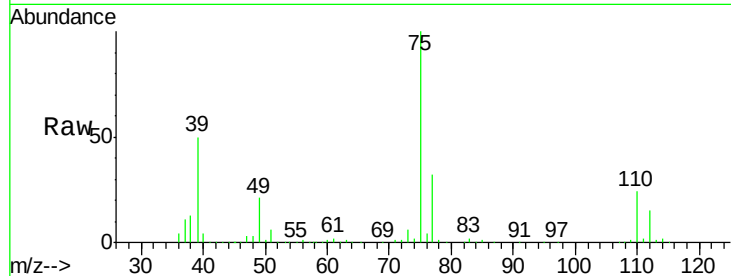
ClientSampled :

VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 53.199 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

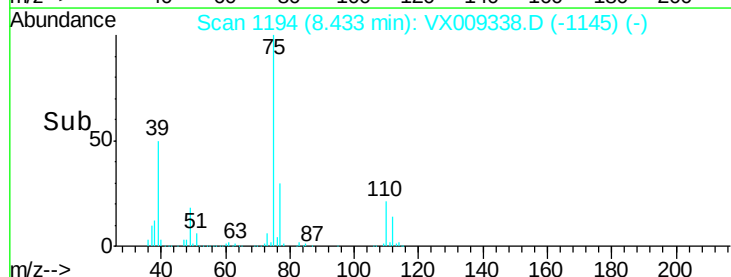
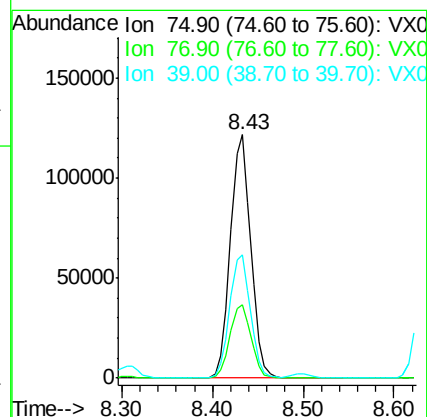
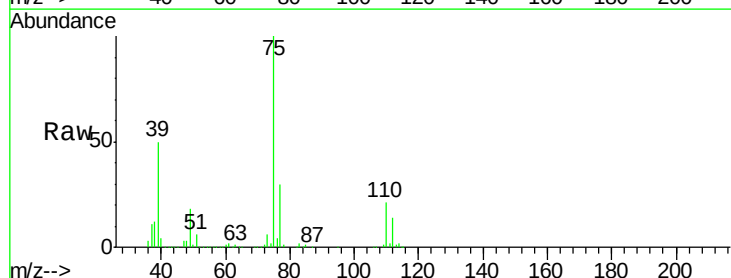
Tgt Ion: 75 Resp: 190231

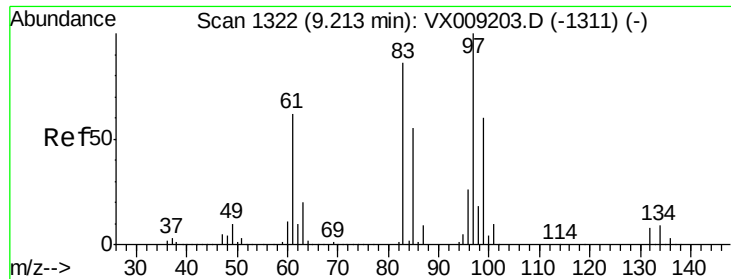
Ion Ratio Lower Upper

75 100

77 30.2 24.6 36.8

39 50.3 40.6 60.8





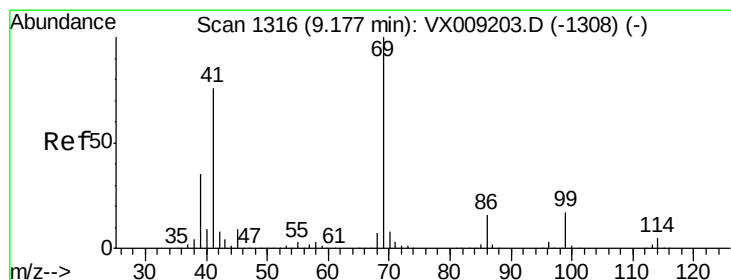
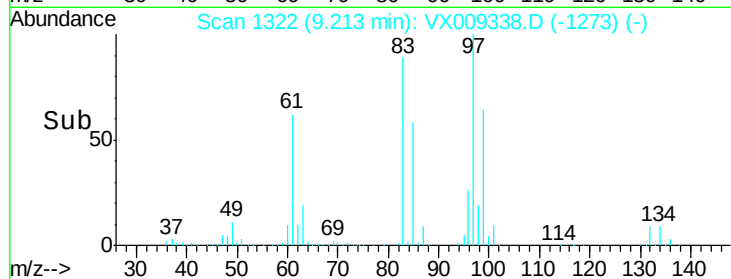
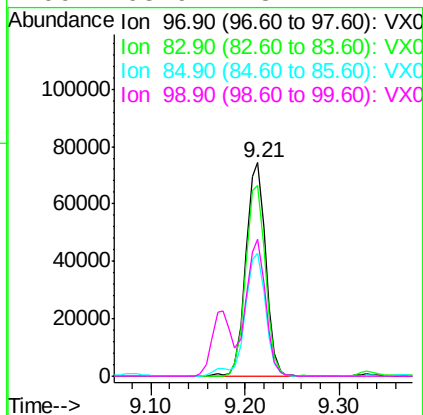
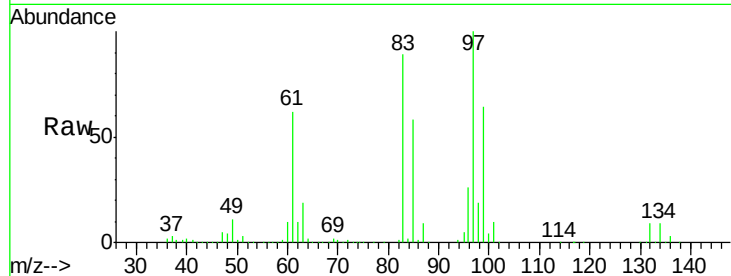
#55
 1,1,2-Trichloroethane
 Concen: 50.718 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	109731
Ion Ratio	Lower	Upper	
97	100		
83	89.1	68.9	103.3
85	57.7	43.8	65.6
99	63.9	48.2	72.2

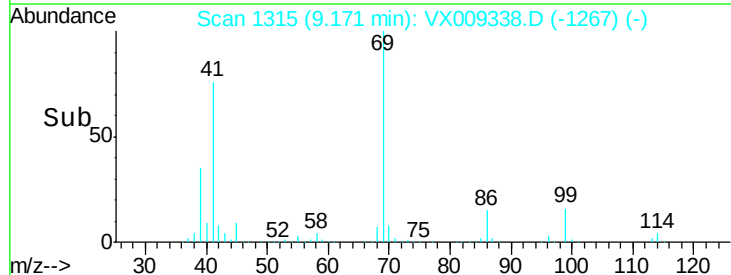
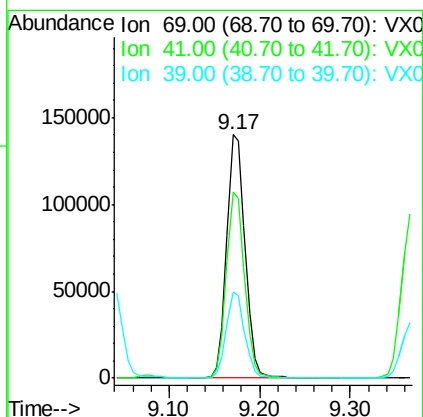
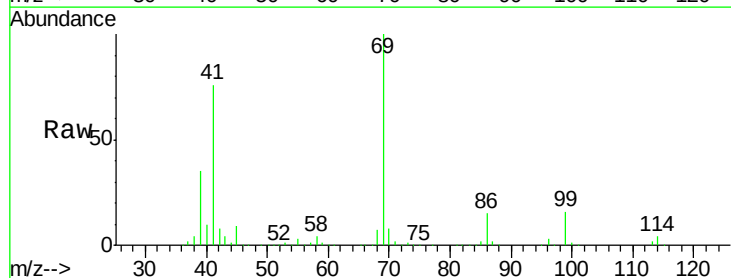
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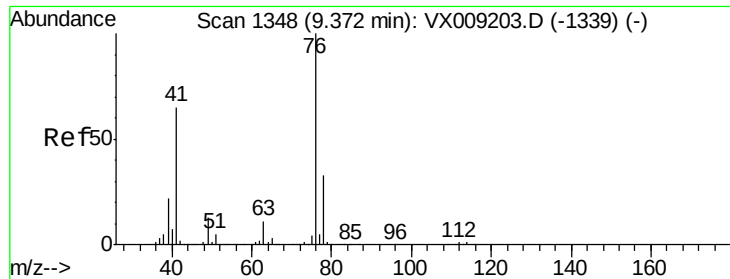
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#56
 Ethyl methacrylate
 Concen: 51.320 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Tgt Ion	69	Resp	198197
Ion Ratio	Lower	Upper	
69	100		
41	76.0	60.6	90.8
39	35.5	28.2	42.4





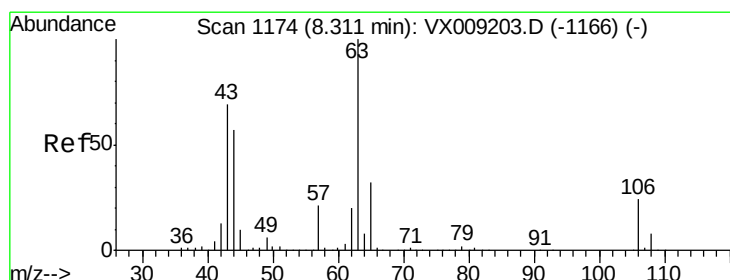
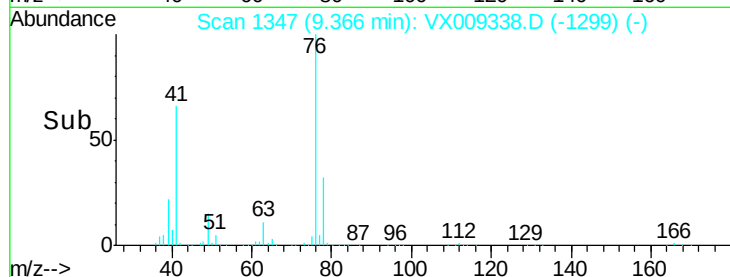
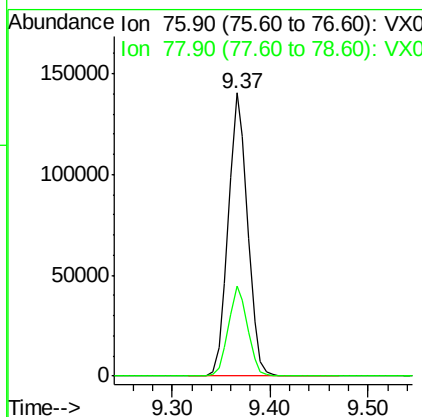
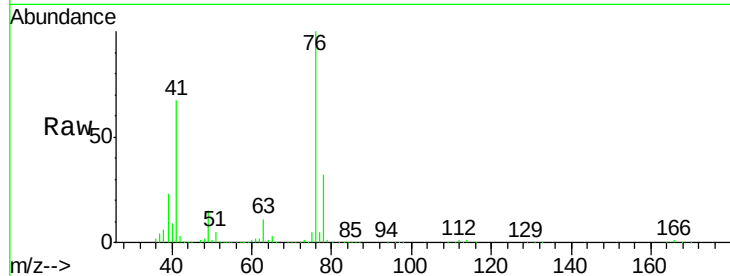
#57
 1,3-Dichloropropane
 Concen: 50.840 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.5	38.3

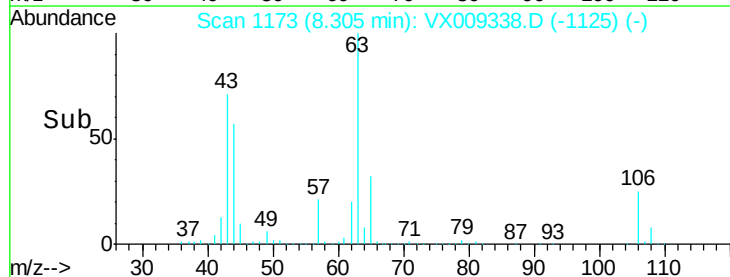
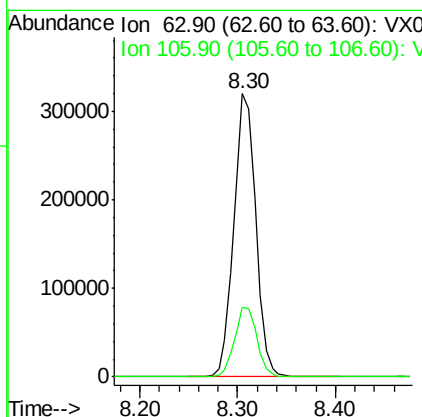
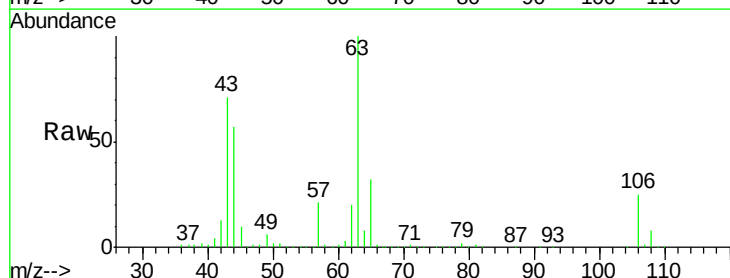
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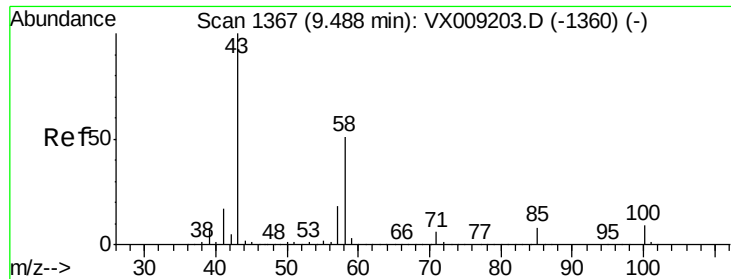
MMDadoda
 5/7/2019 9:41:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.674 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	19.7	29.5





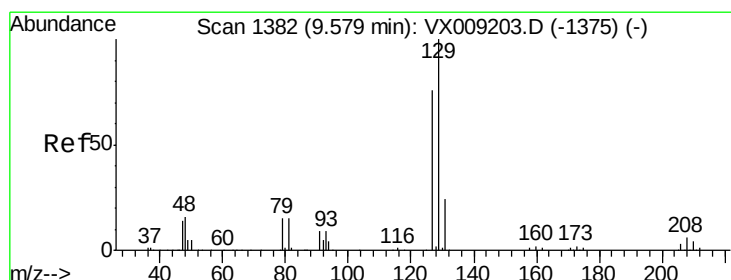
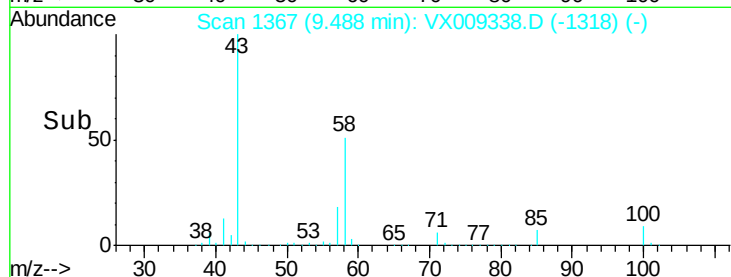
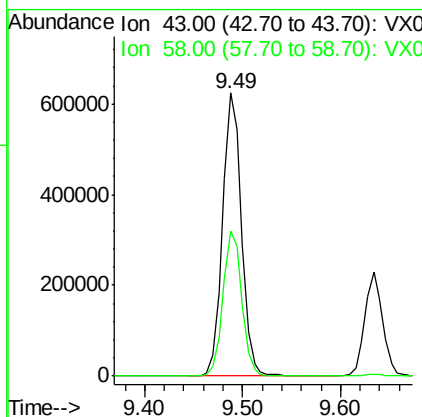
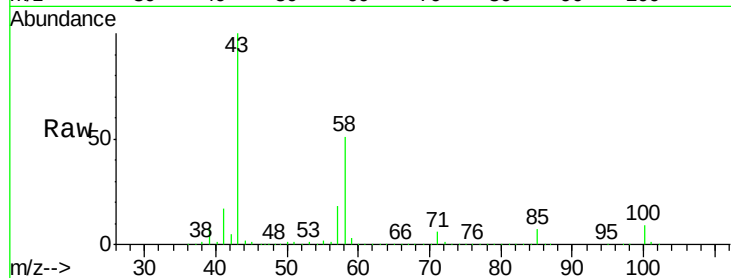
#59
2-Hexanone
Concen: 258.944 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 835106
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7

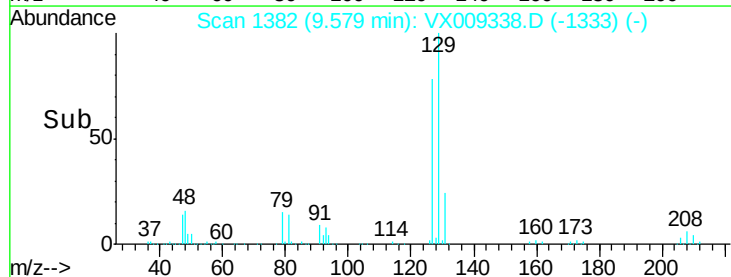
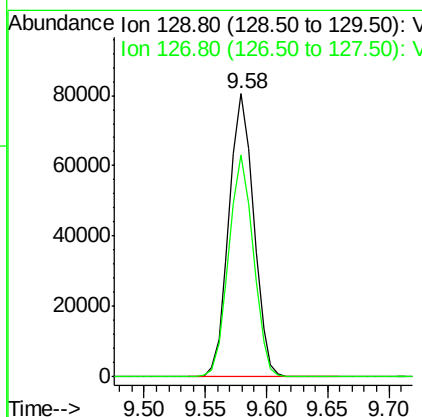
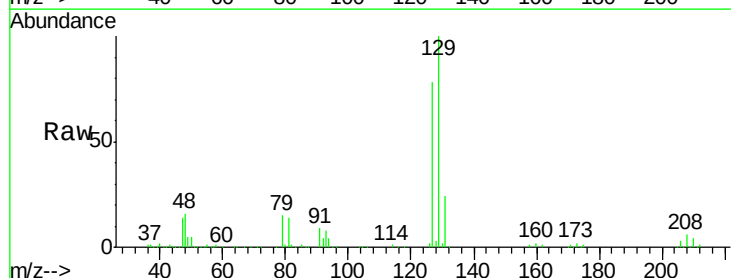
Manual Integrations
APPROVED

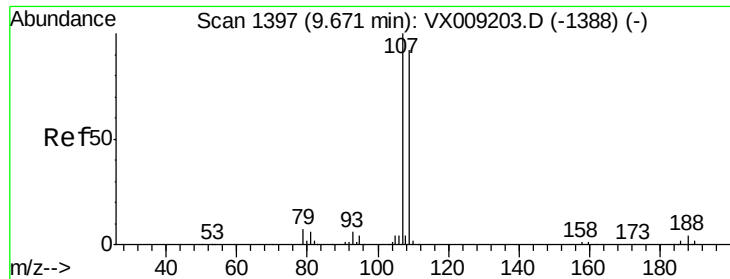
MMDadoda
5/7/2019 9:41:45 AM



#60
Dibromochloromethane
Concen: 53.586 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion: 129 Resp: 113232
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 50.944 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 111259

Ion Ratio Lower Upper

107 100

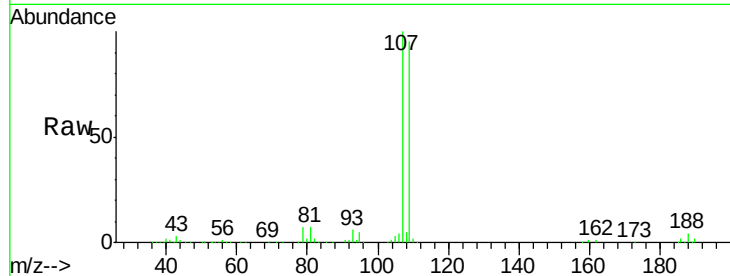
109 93.7 75.2 112.8

Manual Integrations

APPROVED

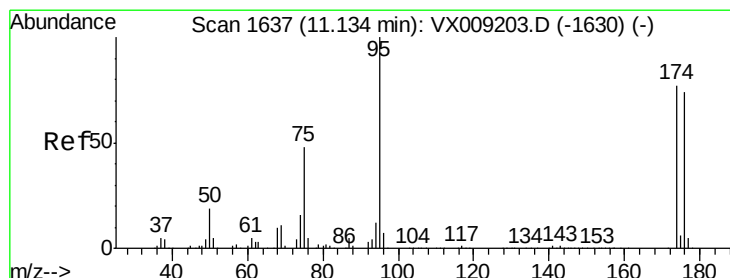
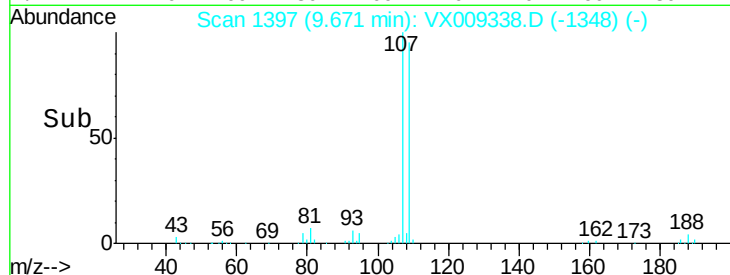
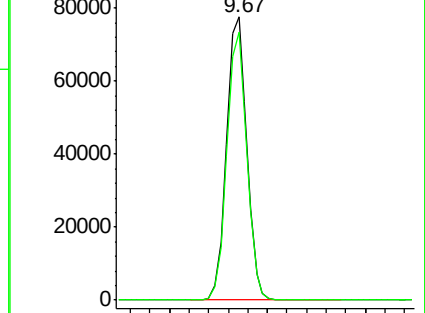
MMDadoda

5/7/2019 9:41:45 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.372 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

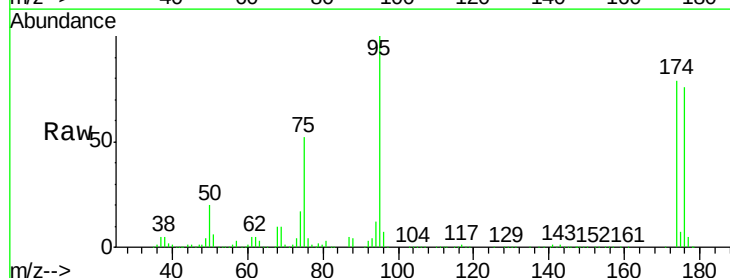
Tgt Ion: 95 Resp: 138112

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

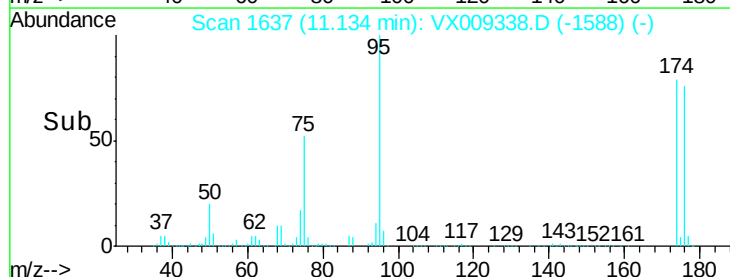
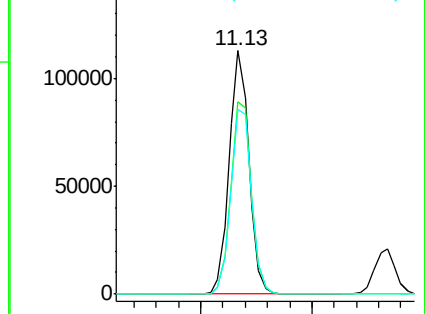
176 80.1 0.0 159.2

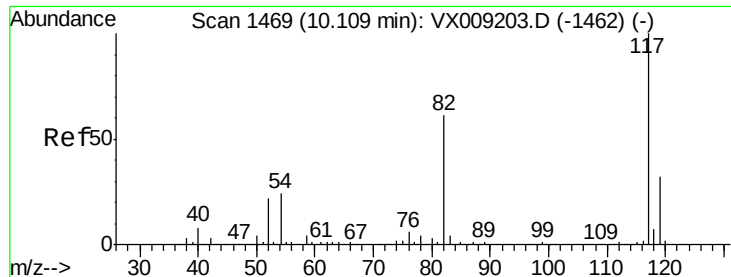


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





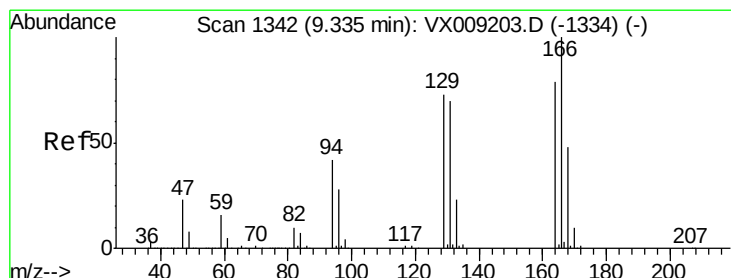
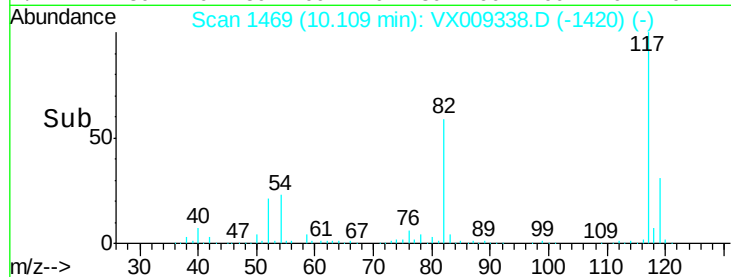
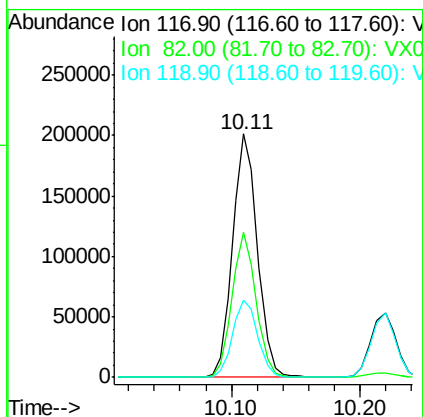
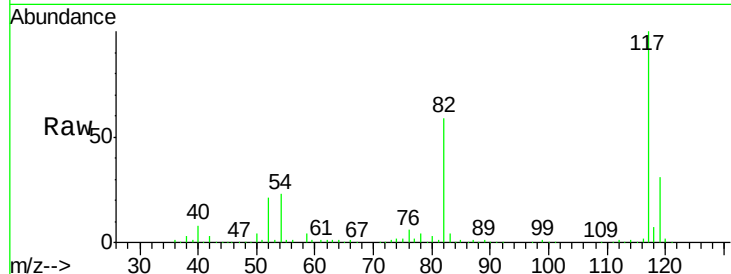
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	48.8	73.2
119	31.5	25.8	38.6

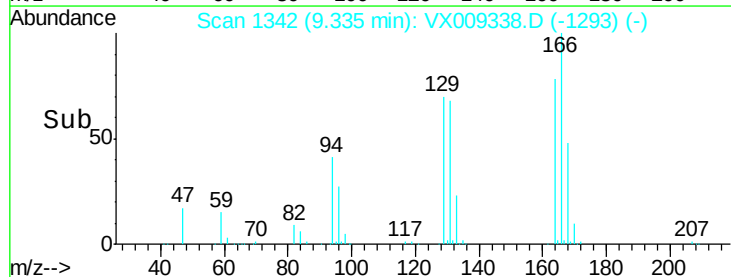
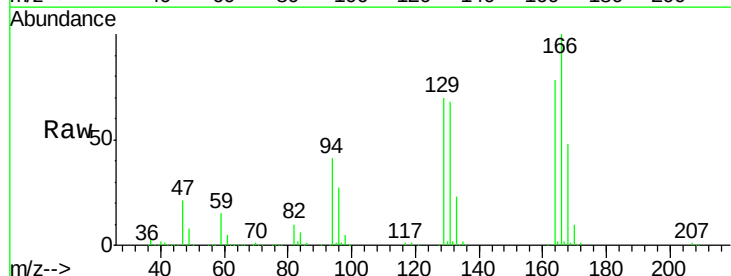
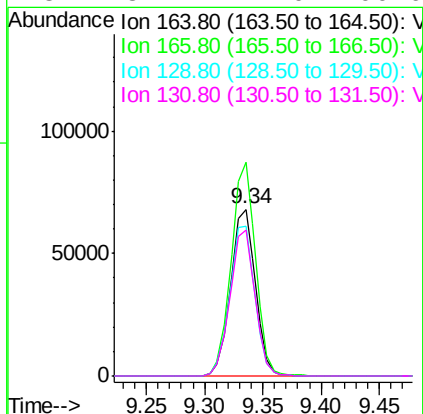
Manual Integrations
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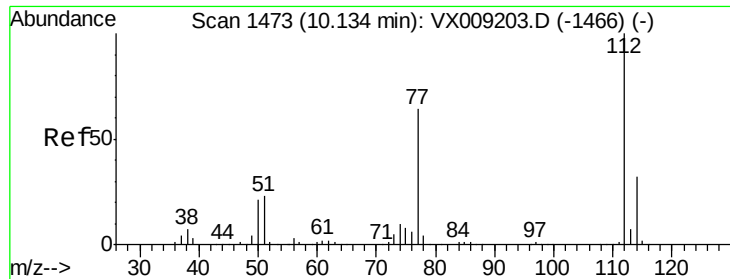
MMDadoda
5/7/2019 9:41:45 AM



#64
Tetrachloroethene
Concen: 54.229 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.2	151.8
129	89.6	74.3	111.5
131	87.4	71.0	106.6





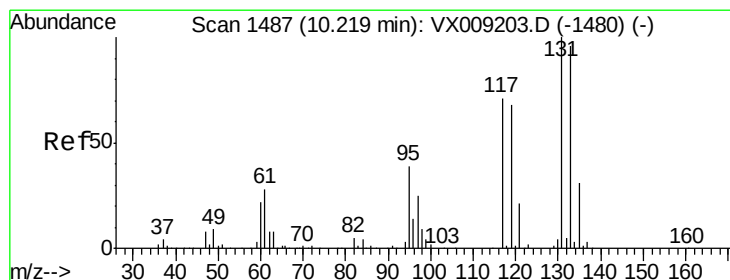
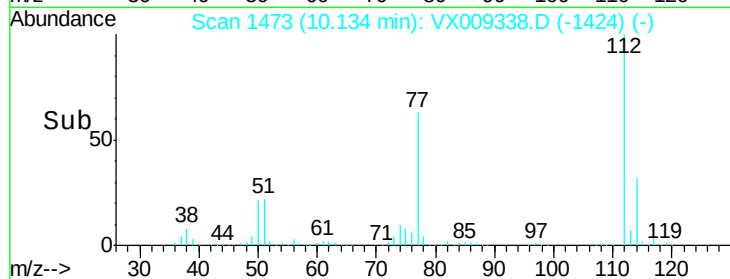
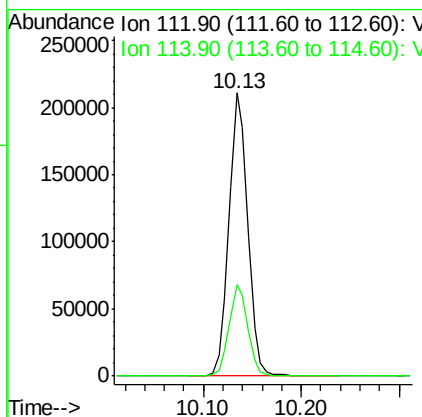
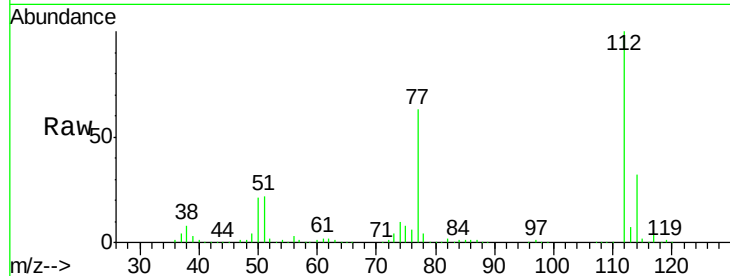
#65
Chlorobenzene
Concen: 51.903 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 281688
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

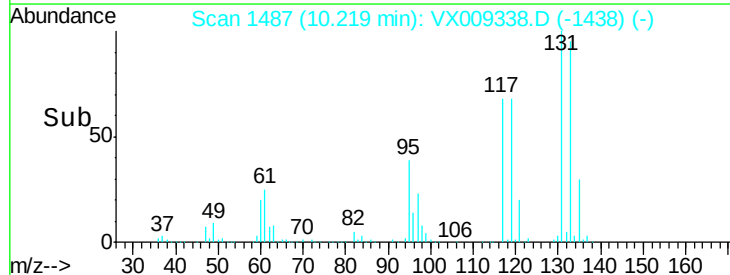
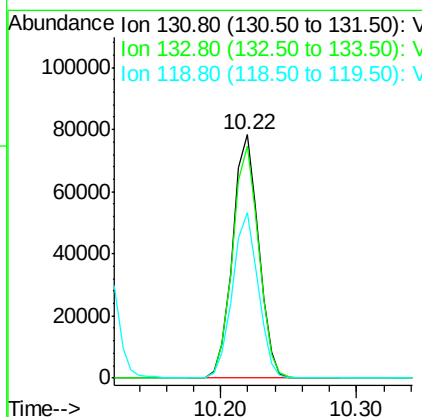
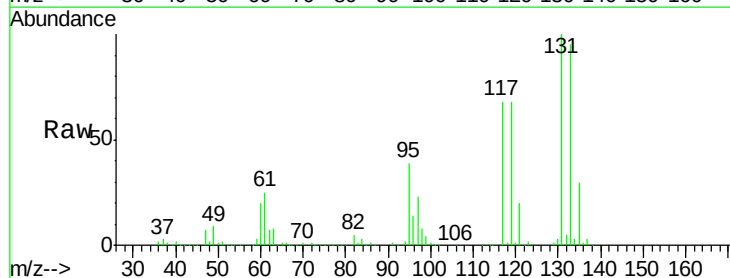
Manual Integrations
APPROVED

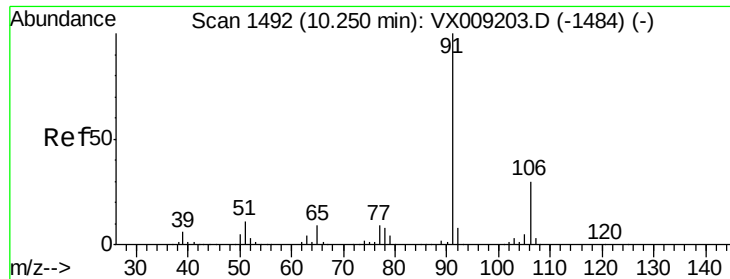
MMDadoda
5/7/2019 9:41:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.975 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion:131 Resp: 104233
Ion Ratio Lower Upper
131 100
133 95.8 47.7 143.1
119 67.4 33.5 100.4





#67

Ethyl Benzene

Concen: 52.162 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 520997

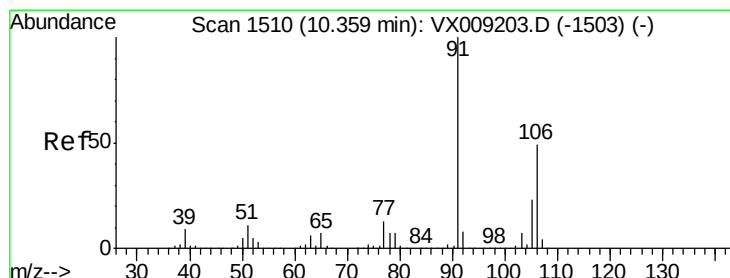
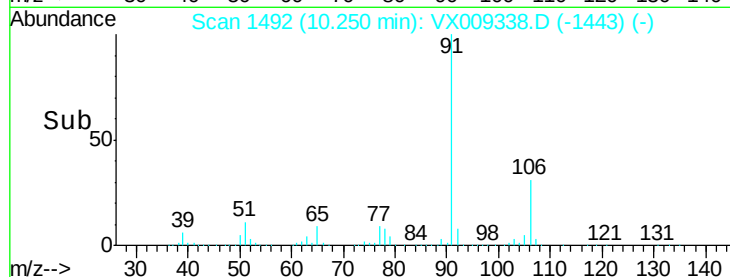
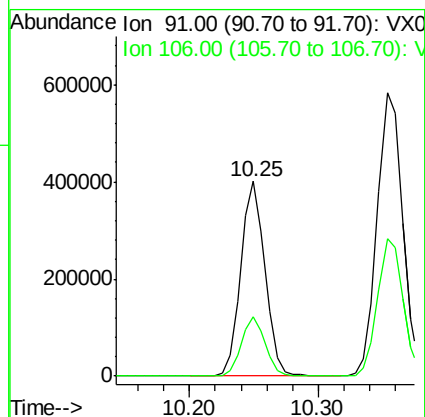
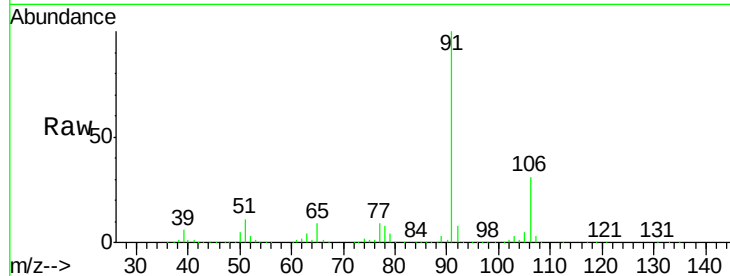
Ion Ratio Lower Upper

91 100

106 30.5 24.0 36.0

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:41:45 AM



#68

m/p-Xylenes

Concen: 105.941 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009338.D

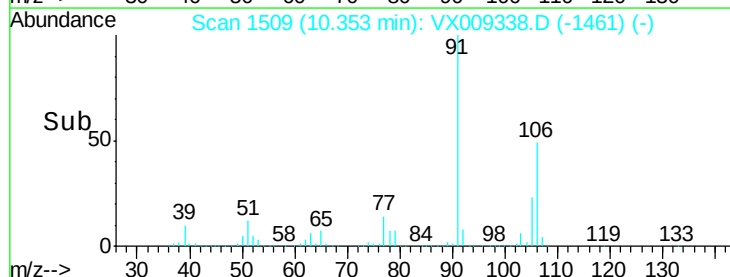
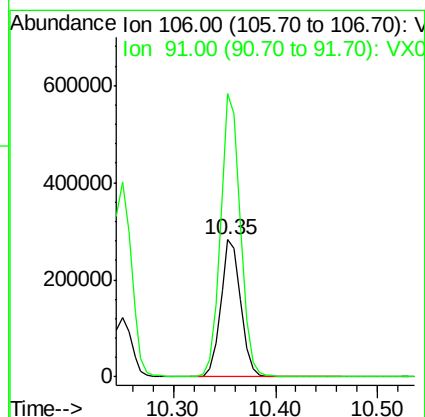
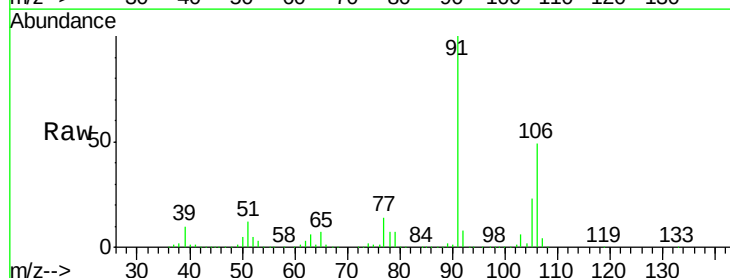
Acq: 06 May 2019 09:55

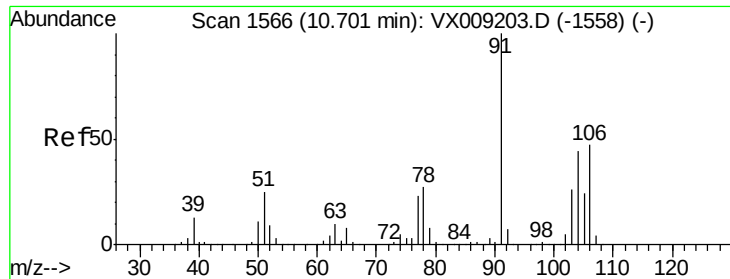
Tgt Ion: 106 Resp: 386682

Ion Ratio Lower Upper

106 100

91 205.9 164.0 246.0





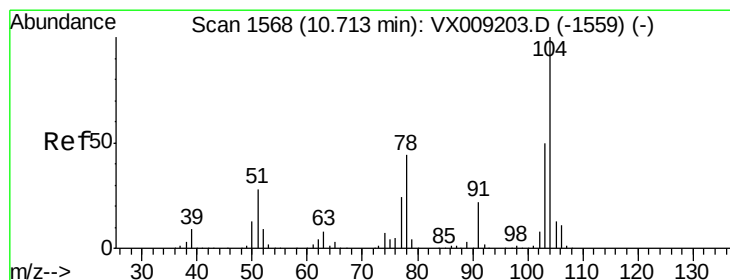
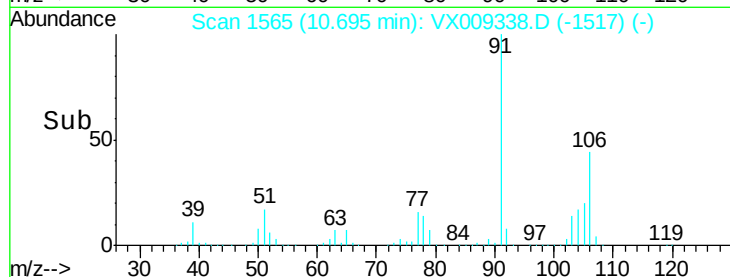
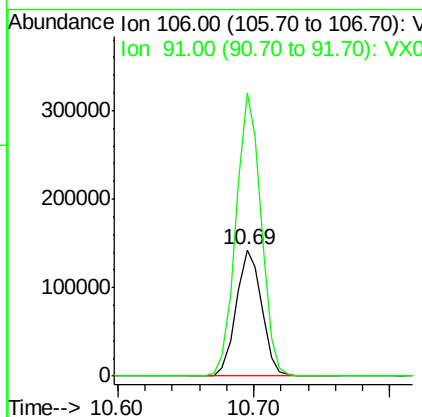
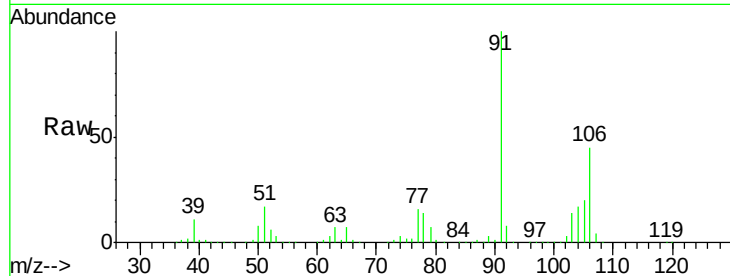
#69
o-Xylene
Concen: 51.667 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 186066
Ion Ratio Lower Upper
106 100
91 220.4 109.5 328.4

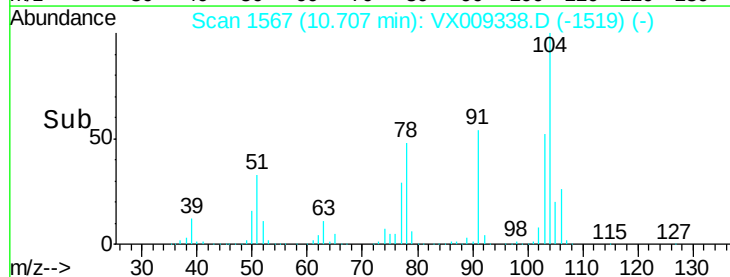
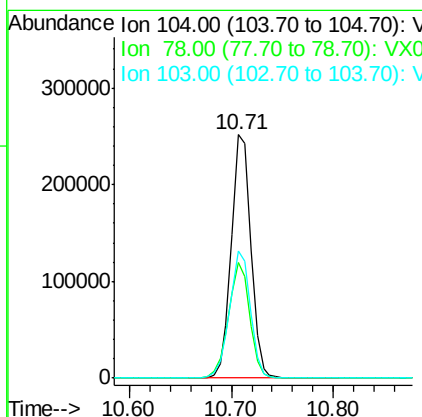
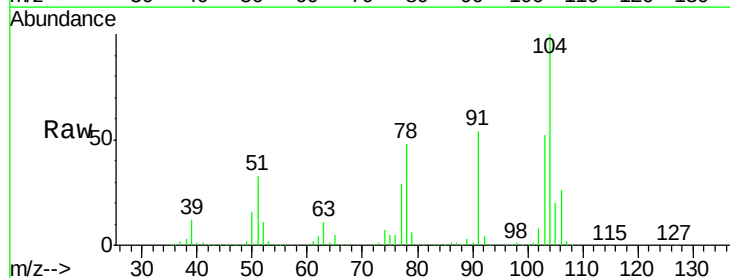
Manual Integrations
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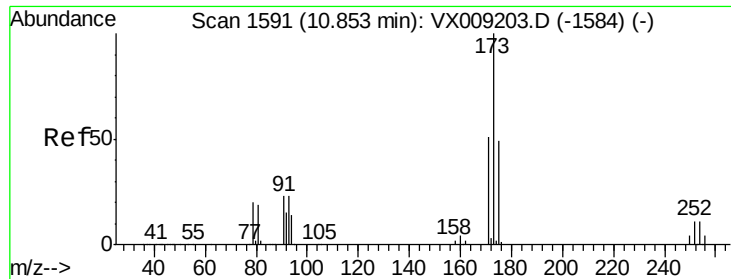
MMDadoda
5/7/2019 9:41:45 AM



#70
Styrene
Concen: 53.133 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion:104 Resp: 332570
Ion Ratio Lower Upper
104 100
78 51.3 41.0 61.4
103 55.3 43.8 65.6





#71

Bromoform

Concen: 54.866 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 87729

Ion Ratio Lower Upper

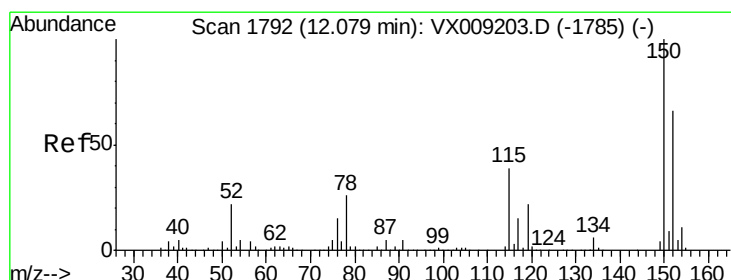
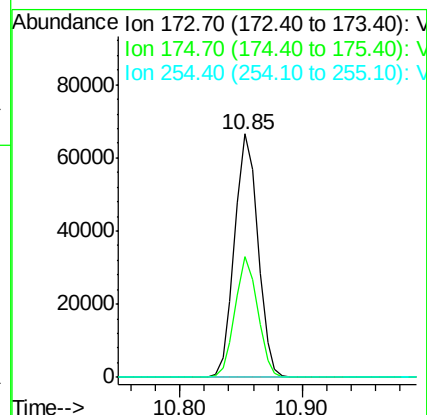
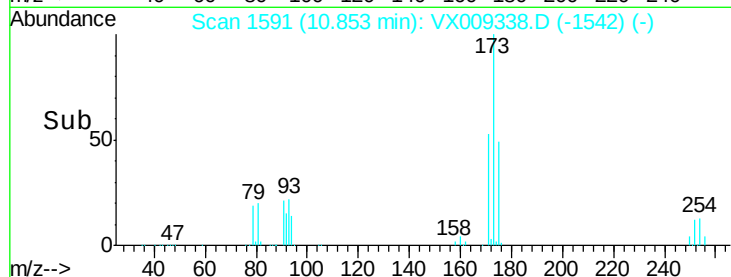
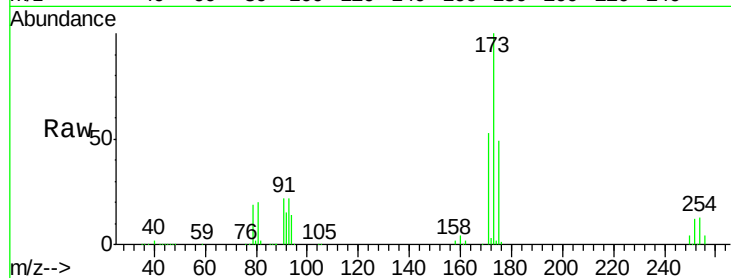
173 100

175 48.3 24.5 73.5

254 0.1 0.1 0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

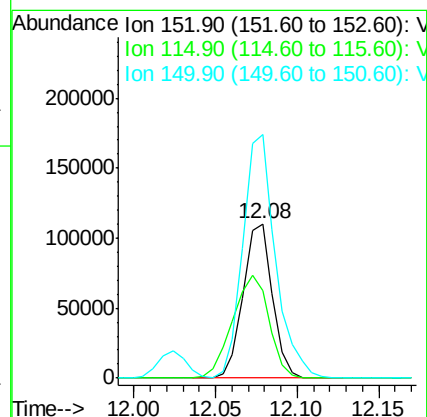
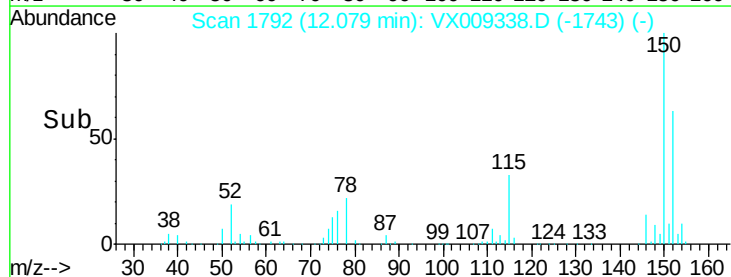
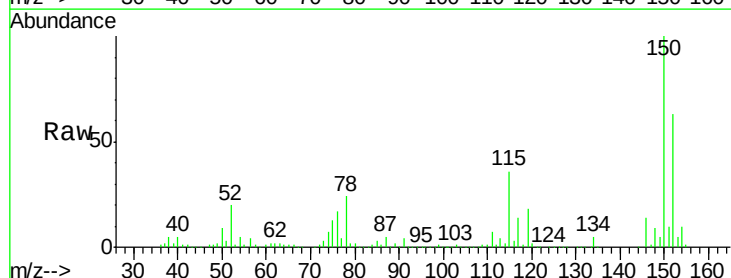
Tgt Ion:152 Resp: 137522

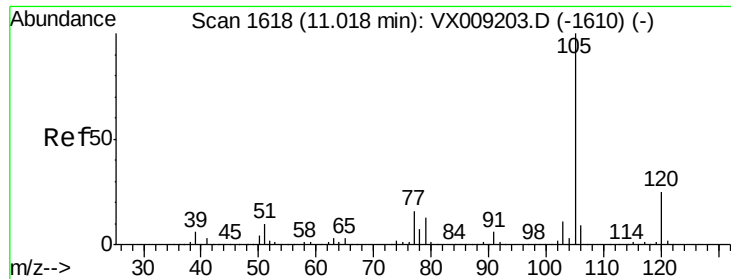
Ion Ratio Lower Upper

152 100

115 83.2 41.2 123.6

150 176.3 0.0 346.4





#73

Isopropylbenzene

Concen: 51.040 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 510423

Ion Ratio Lower Upper

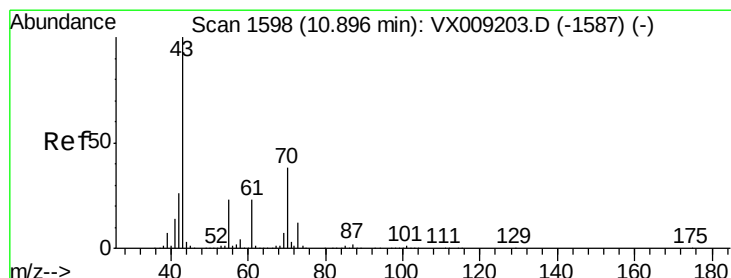
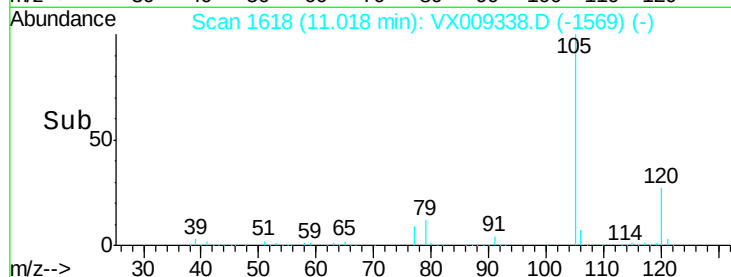
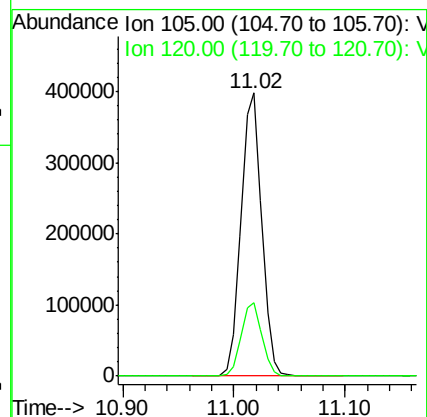
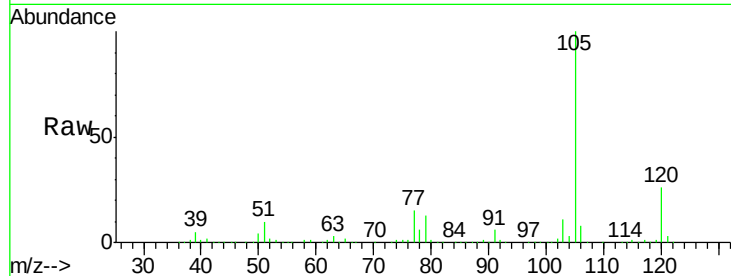
105 100

120 26.0 12.8 38.3

Manual Integrations
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5/7/2019 9:41:45 AM



#74

N-ethyl acetate

Concen: 50.098 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Tgt Ion: 43 Resp: 292087

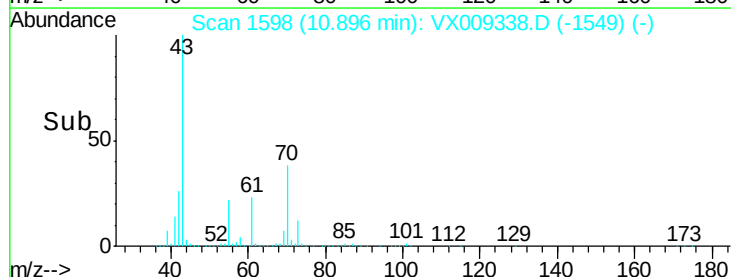
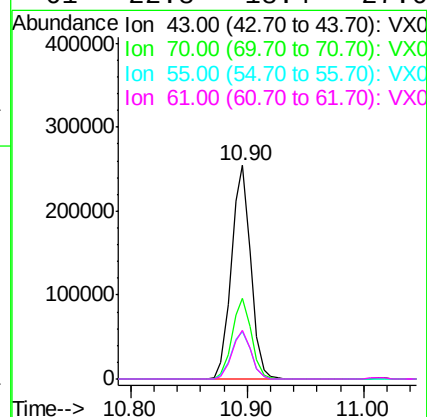
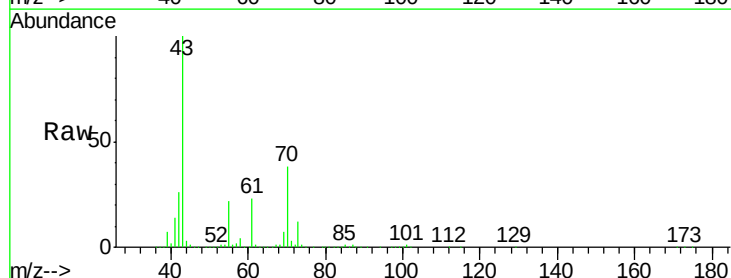
Ion Ratio Lower Upper

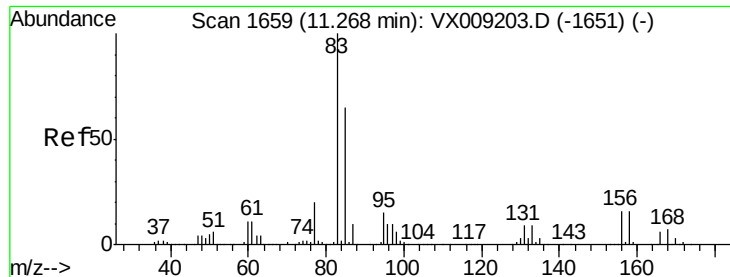
43 100

70 37.9 30.0 45.0

55 22.7 17.9 26.9

61 22.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.116 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

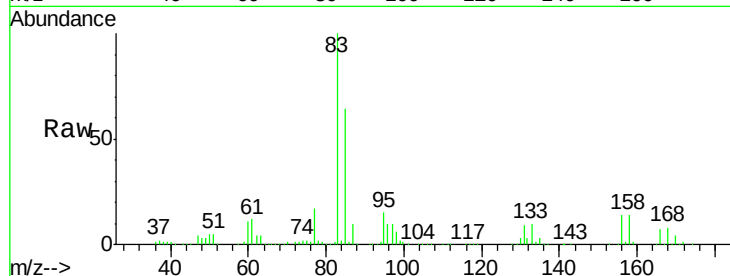
ClientSampleId :

VSTDCCC050

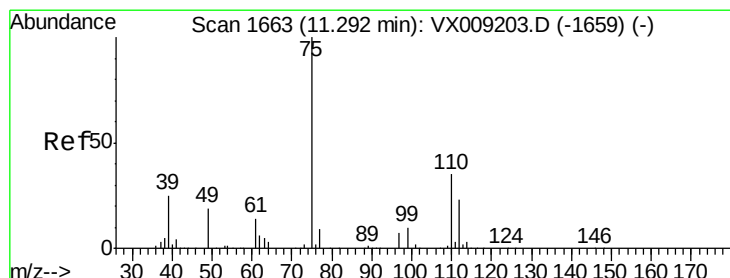
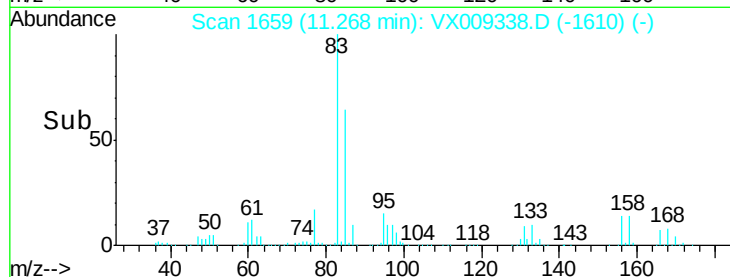
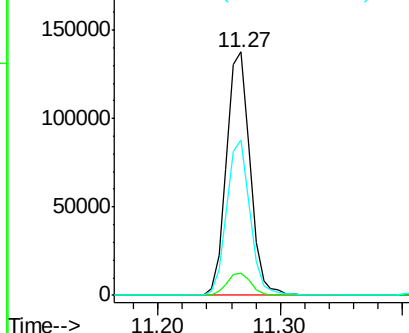
Tot Ion:	83	Resp:	183107
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	63.1	32.0	96.2

Manual Integrations
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5/7/2019 9:41:45 AM



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



#76

1,2,3-Trichloropropane

Concen: 50.662 ug/l m

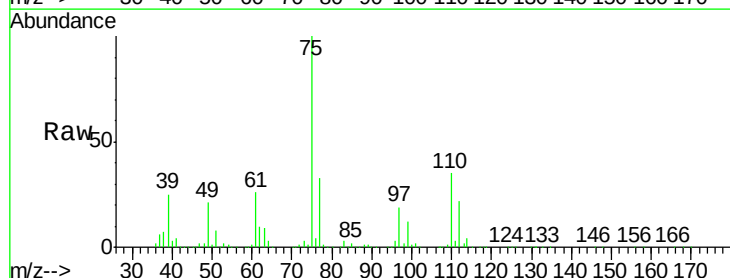
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

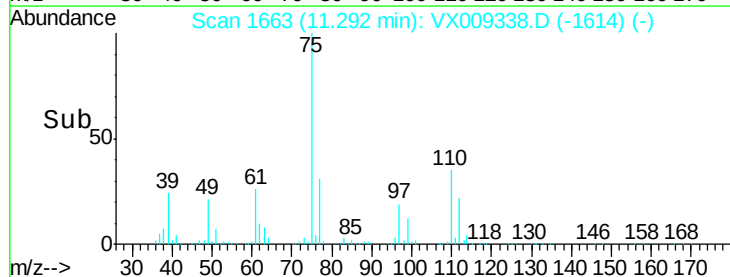
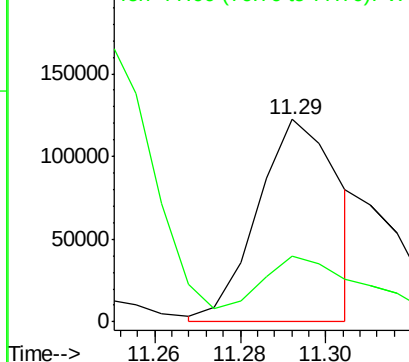
Lab File: VX009338.D

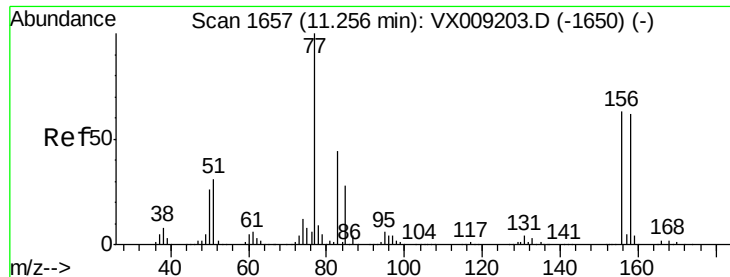
Acq: 06 May 2019 09:55

Tgt Ion:	75	Resp:	161613
Ion Ratio	Lower	Upper	
75	100		
77	43.2	22.1	66.1



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





#77

Bromobenzene

Concen: 50.102 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

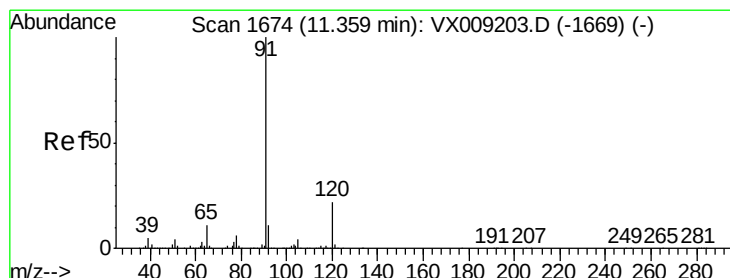
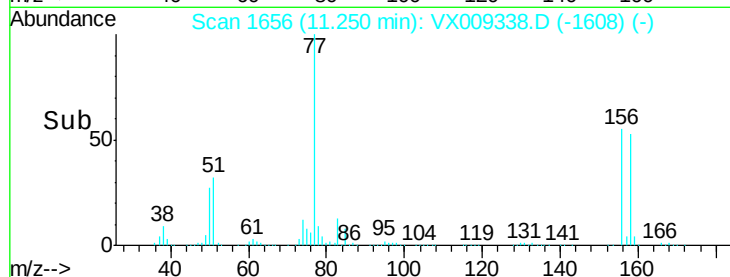
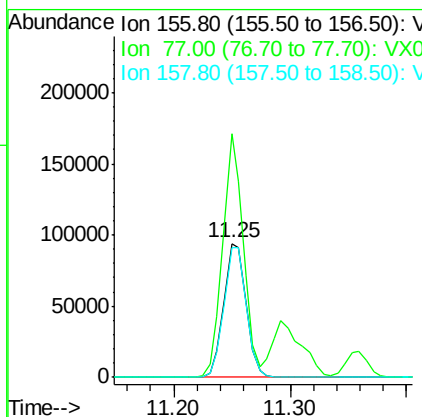
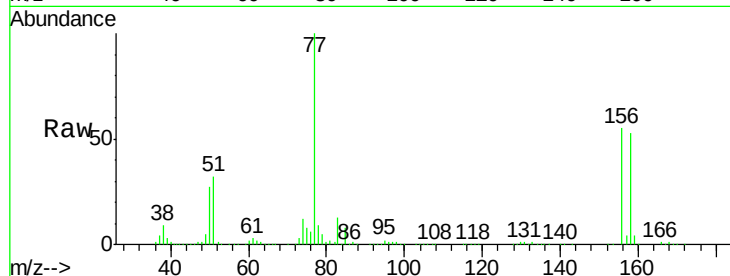
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	124362
Ion Ratio	Lower	Upper	
156	100		
77	168.5	84.8	254.3
158	97.8	49.1	147.3

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#78

n-propylbenzene

Concen: 51.729 ug/l

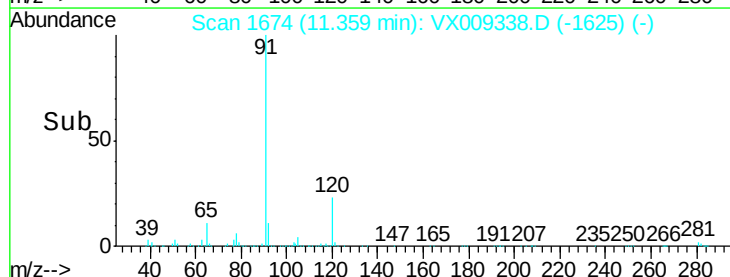
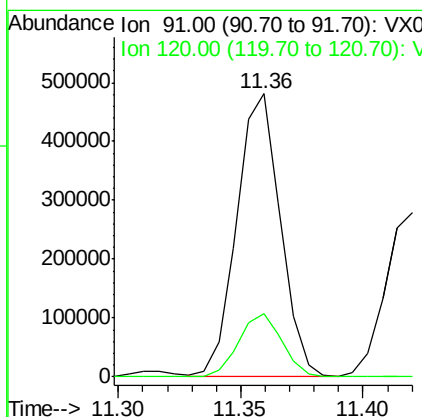
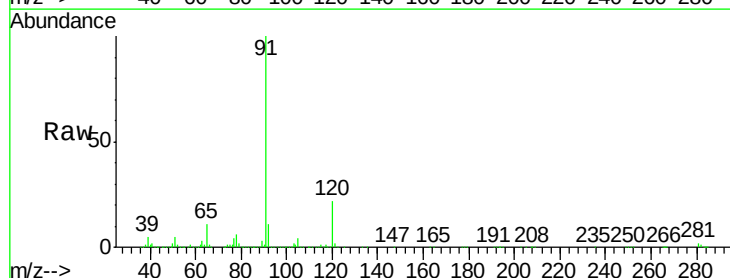
RT: 11.36 min Scan# 1674

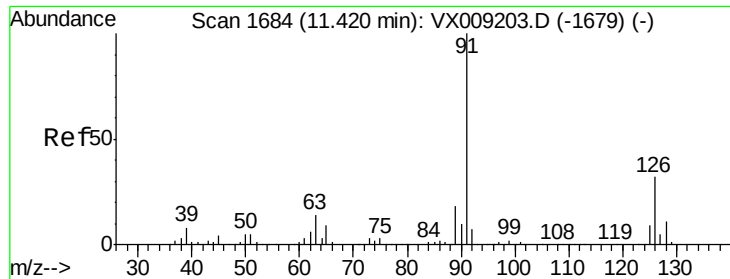
Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Tgt Ion:	91	Resp:	590797
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.0	33.0





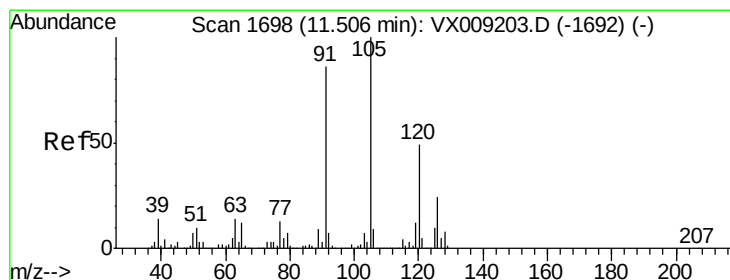
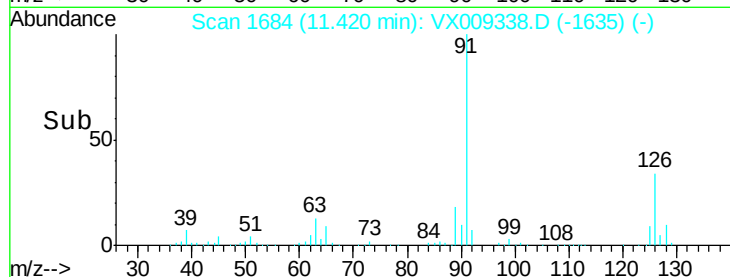
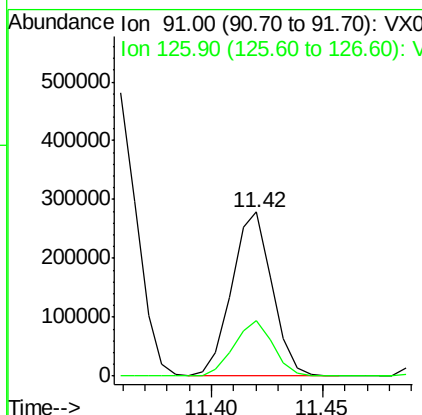
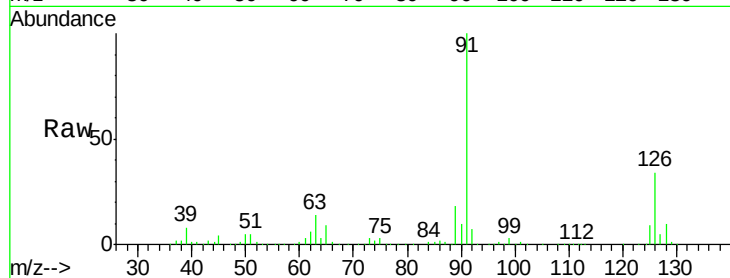
#79
 2-Chlorotoluene
 Concen: 49.619 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 349624
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.3 48.9

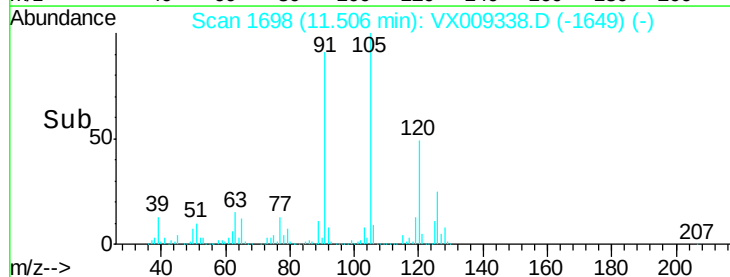
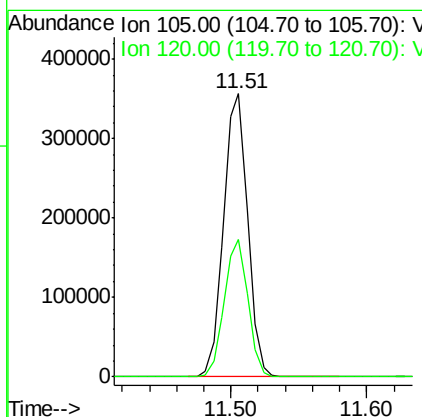
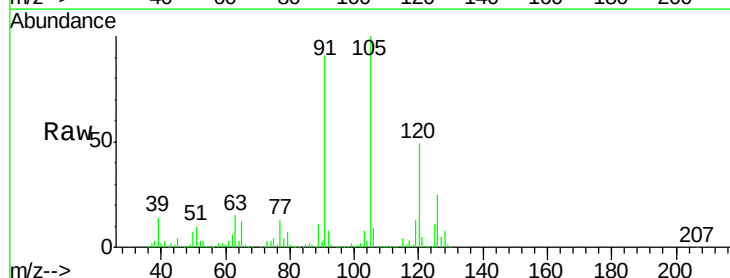
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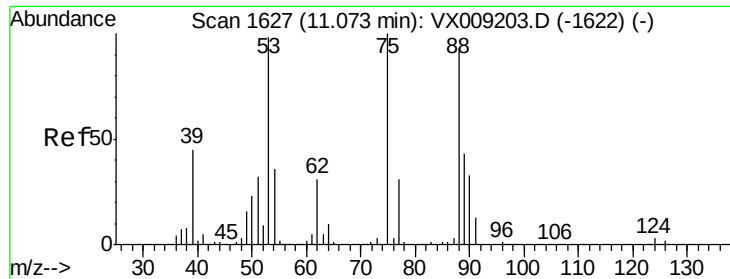
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.662 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Tgt Ion: 105 Resp: 435013
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 72.9





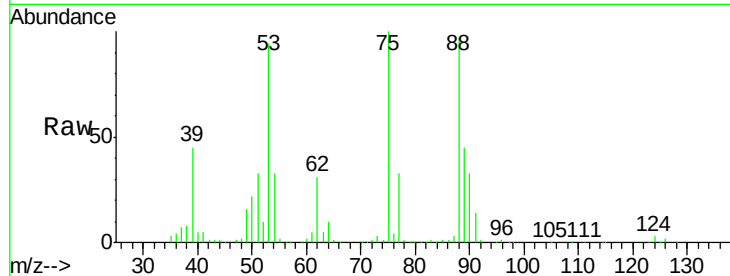
#81
trans-1,4-Dichloro-2-butene
Concen: 52.044 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

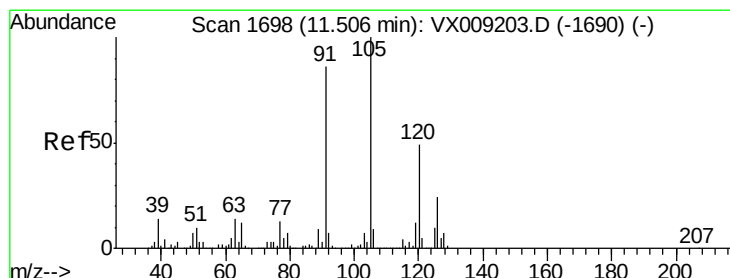
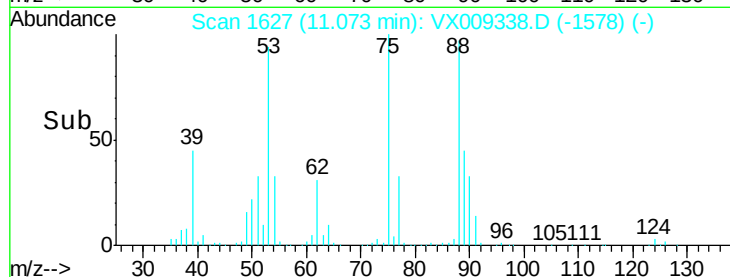
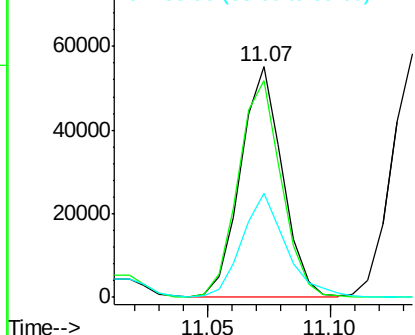
Tot Ion	Ratio	Lower	Upper
75	100		
53	97.4	79.0	118.6
89	48.2	34.7	52.1

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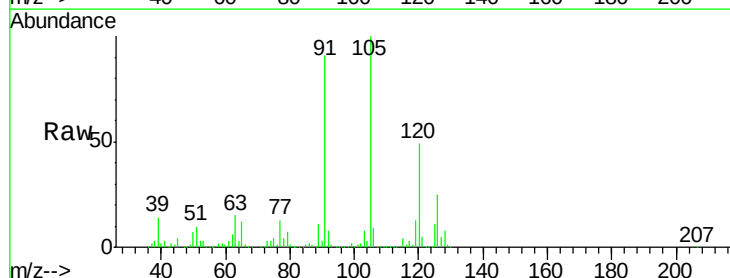


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

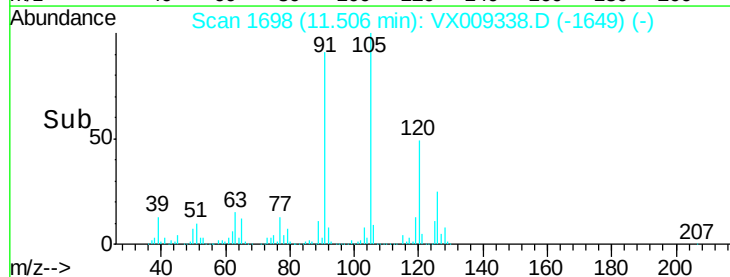
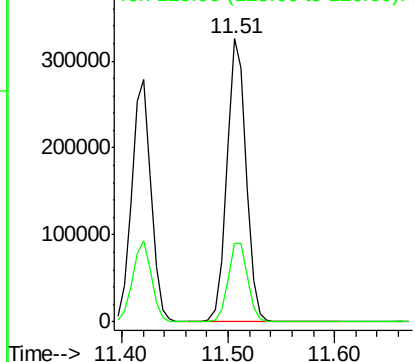


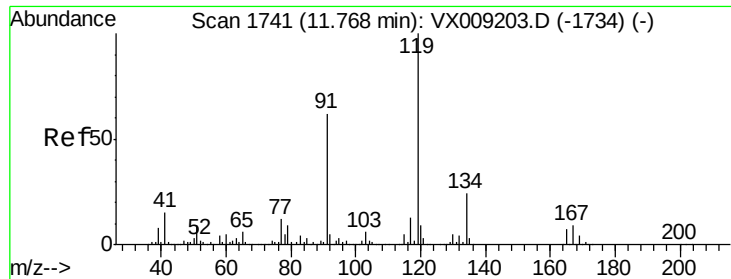
#82
4-Chlorotoluene
Concen: 51.516 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.5	43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





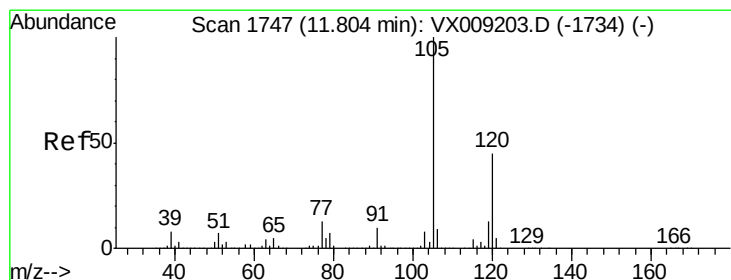
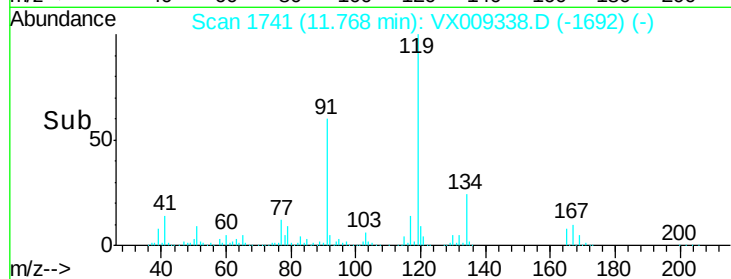
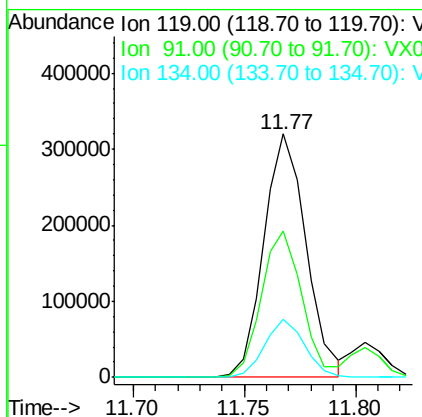
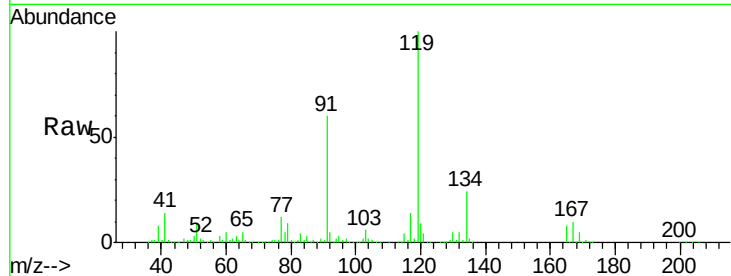
#83
 tert-Butylbenzene
 Concen: 51.511 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.5	88.5
134	22.5	11.4	34.1

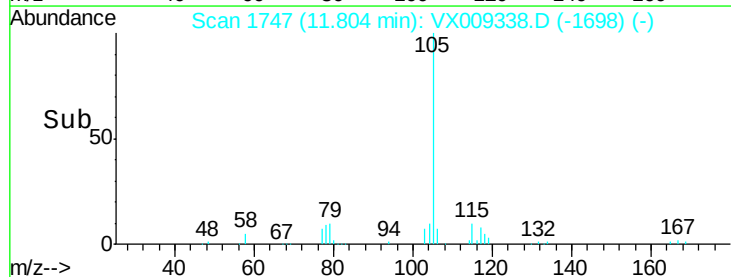
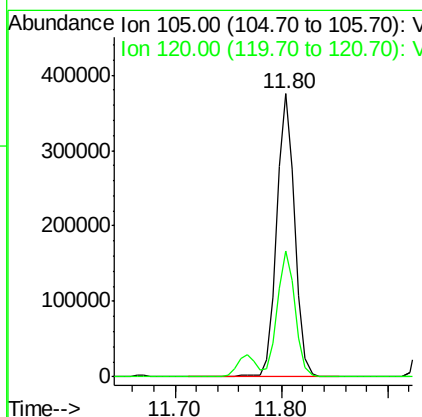
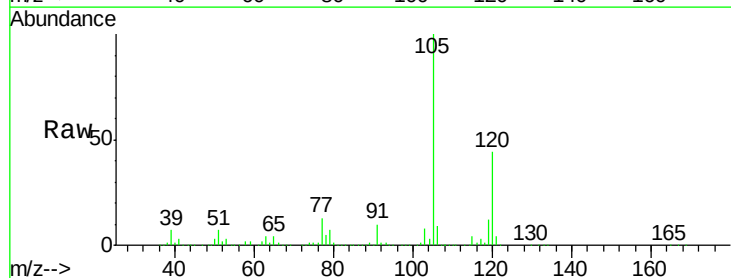
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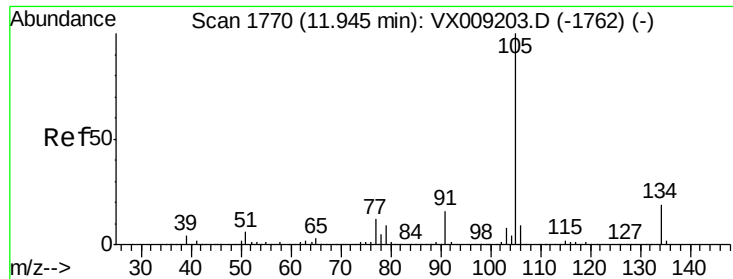
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.116 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.0	66.0





#85

sec-Butylbenzene

Concen: 52.233 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 507257

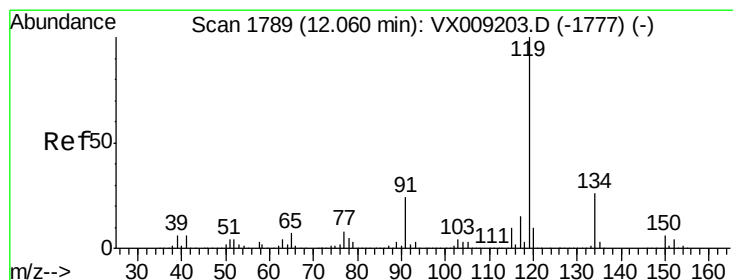
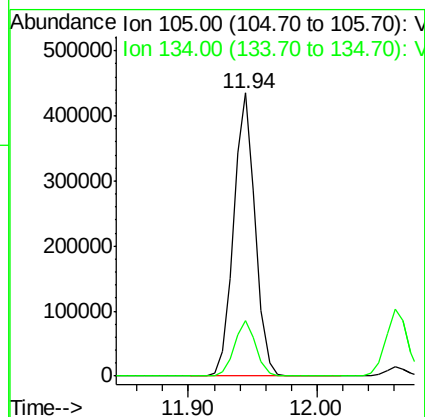
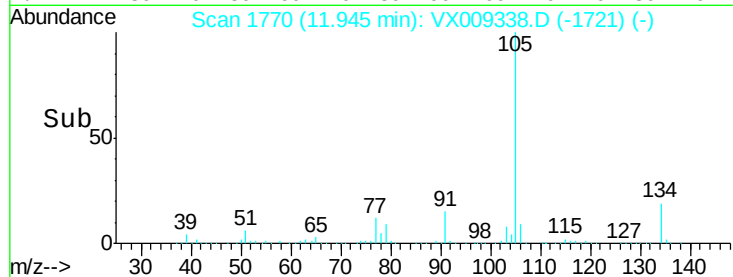
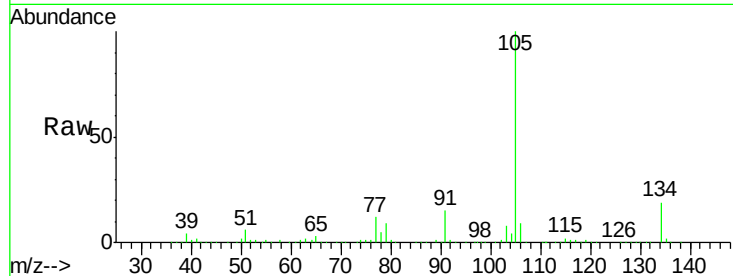
Ion Ratio Lower Upper

105 100

134 19.6 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 53.502 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

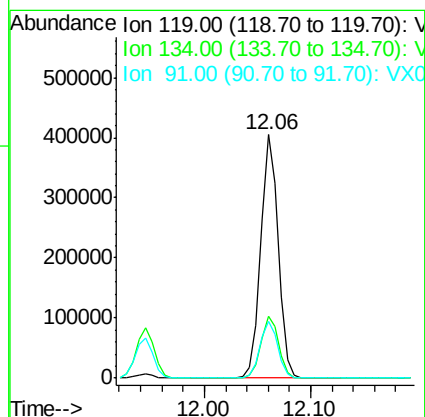
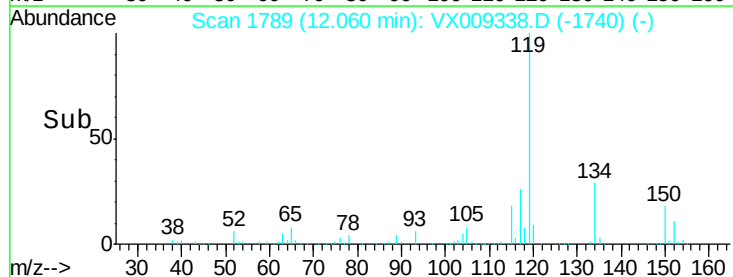
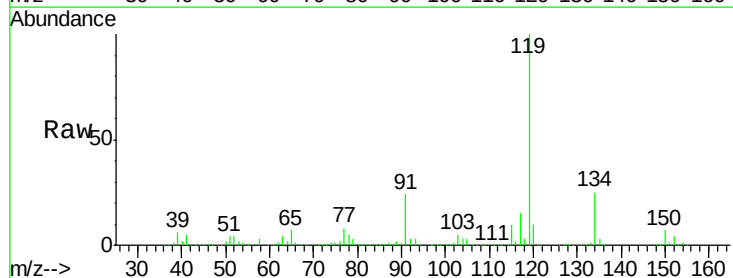
Tgt Ion:119 Resp: 467098

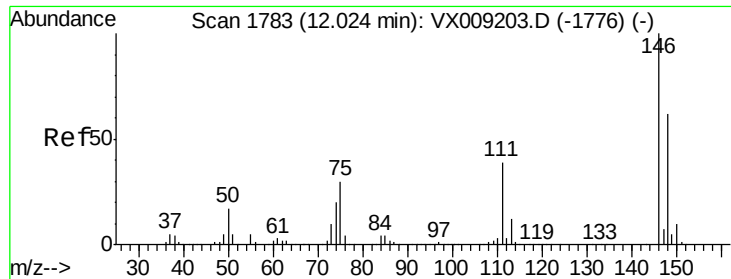
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.6 11.8 35.4





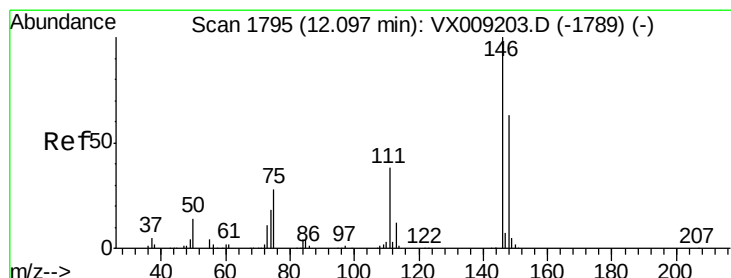
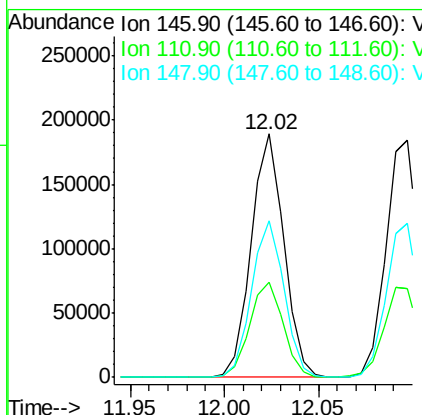
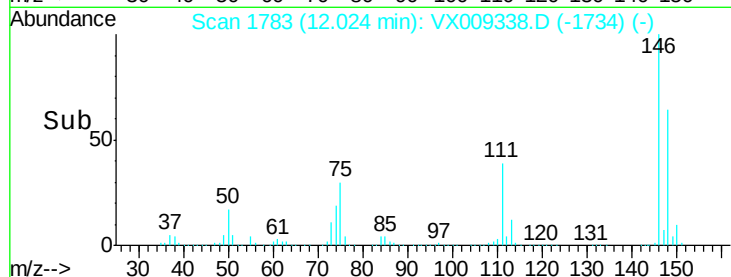
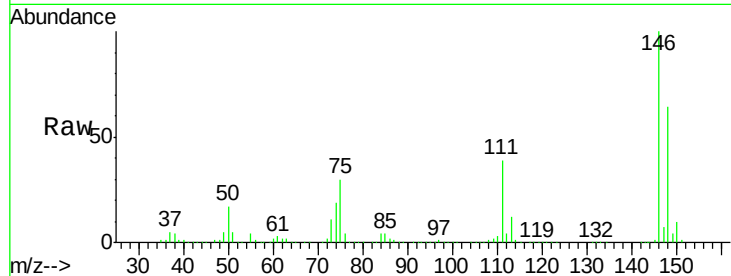
#87
 1,3-Dichlorobenzene
 Concen: 51.483 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	63.9	31.8	95.3

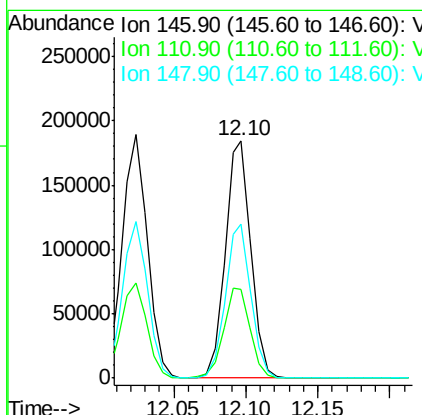
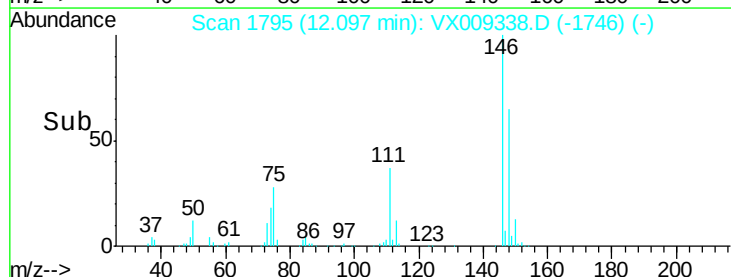
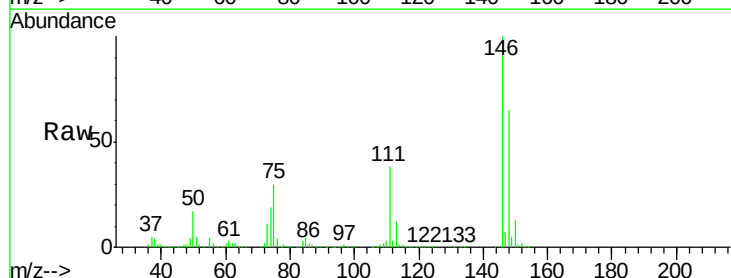
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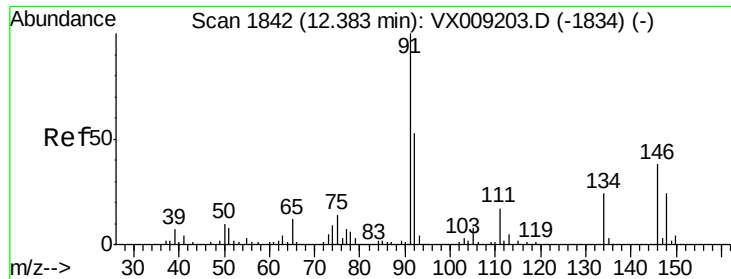
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#88
 1,4-Dichlorobenzene
 Concen: 51.549 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	64.7	31.8	95.3





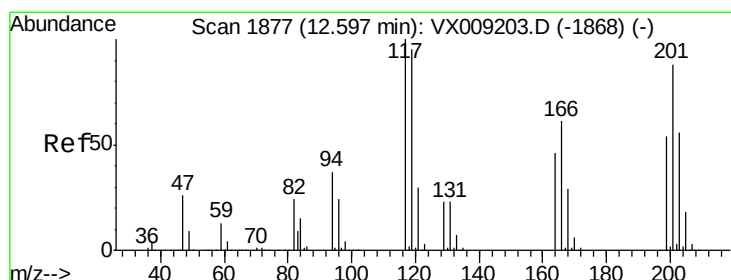
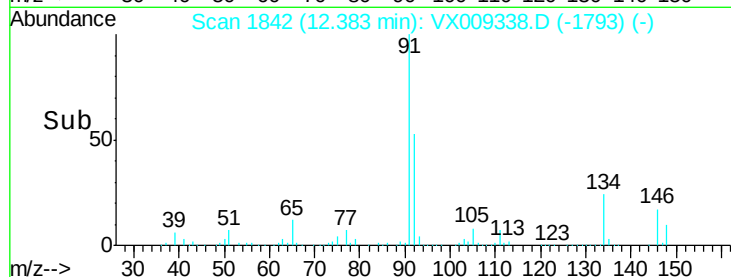
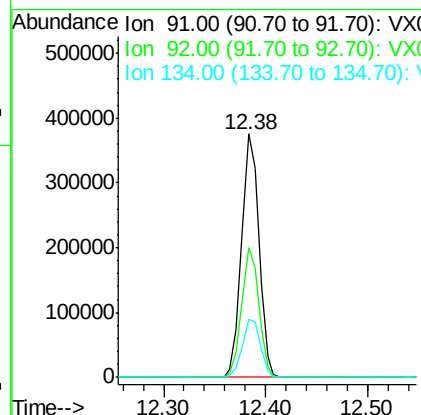
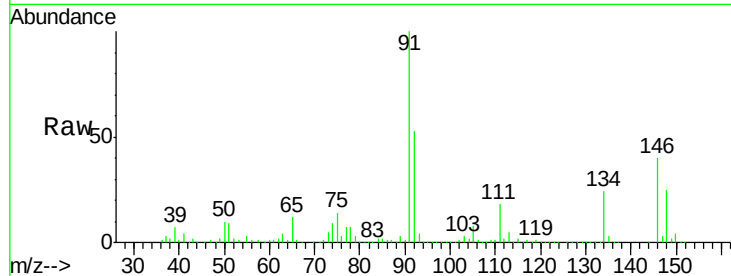
#89
n-Butylbenzene
Concen: 55.488 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	24.9	12.4	37.2

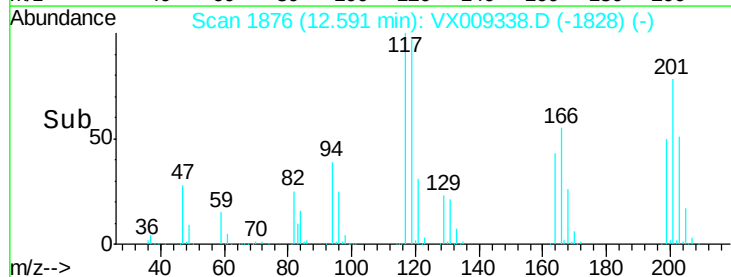
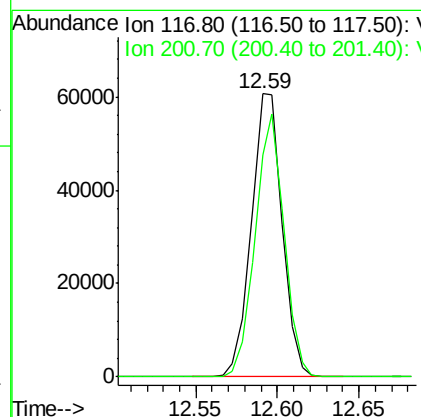
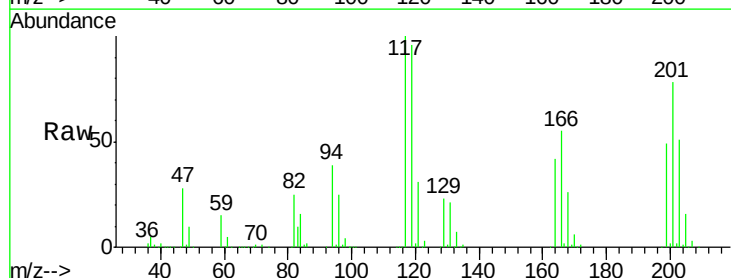
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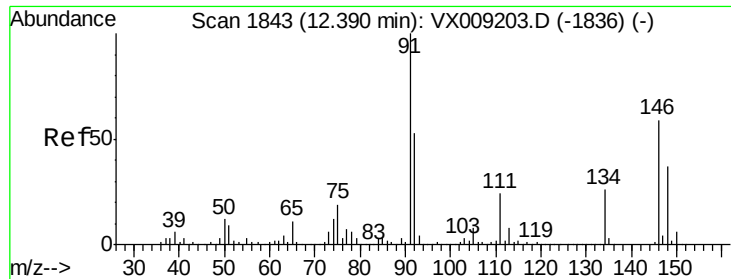
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#90
Hexachloroethane
Concen: 53.844 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009338.D
Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	42.3	126.9





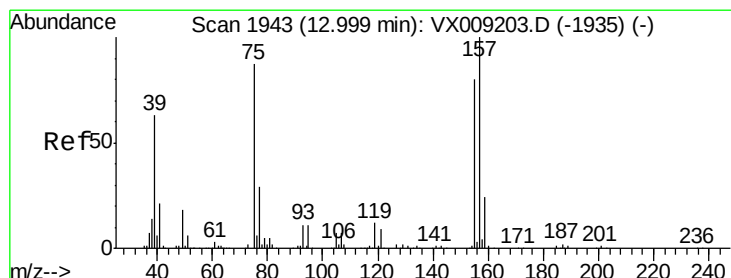
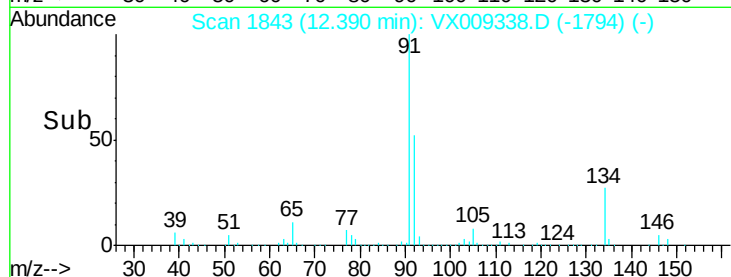
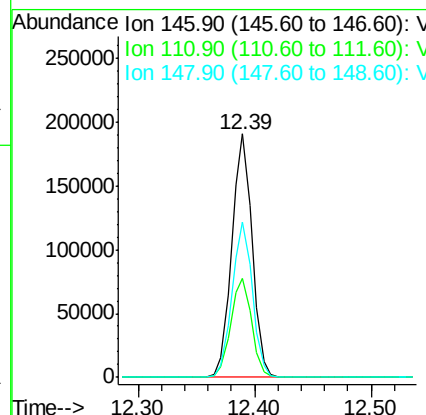
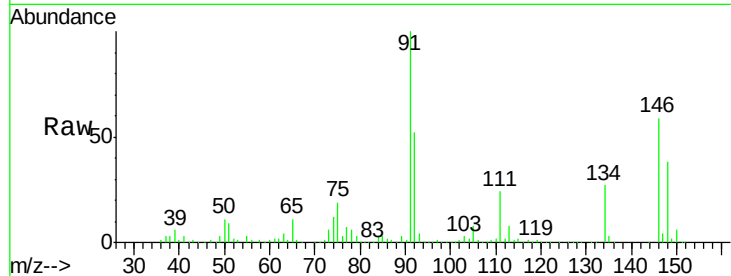
#91
 1,2-Dichlorobenzene
 Concen: 51.120 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.4
148	63.9	31.9	95.9

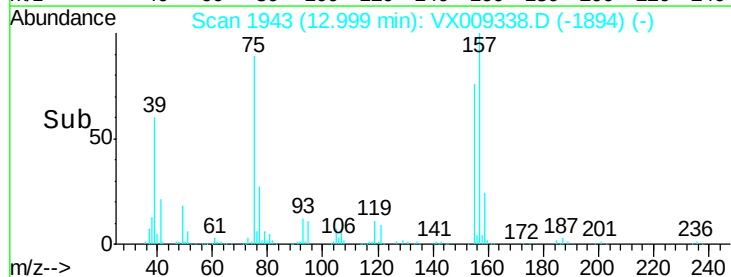
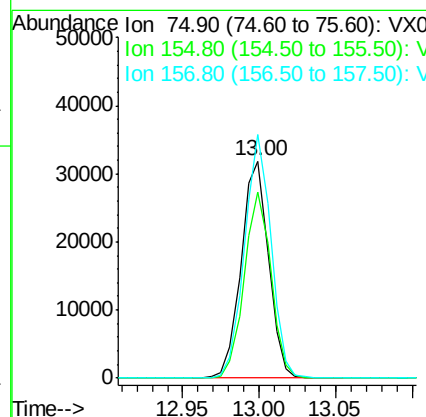
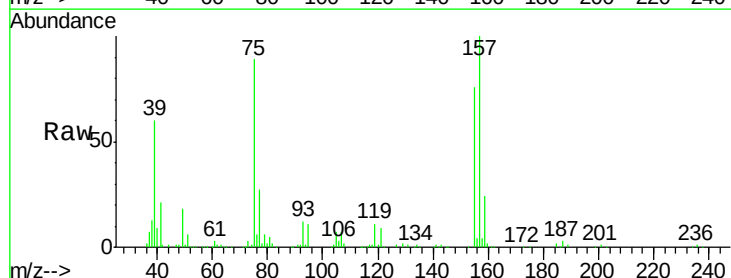
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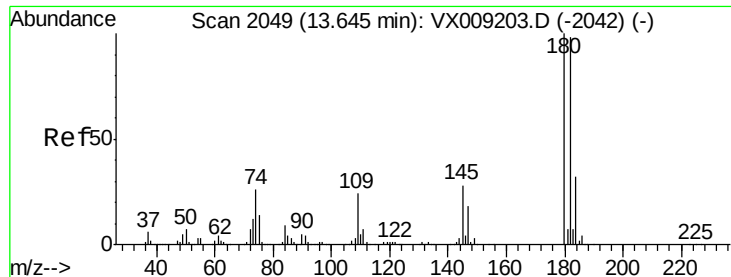
MMDadoda
 5/7/2019 9:41:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.263 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	42.0	126.0
157	108.3	53.2	159.6





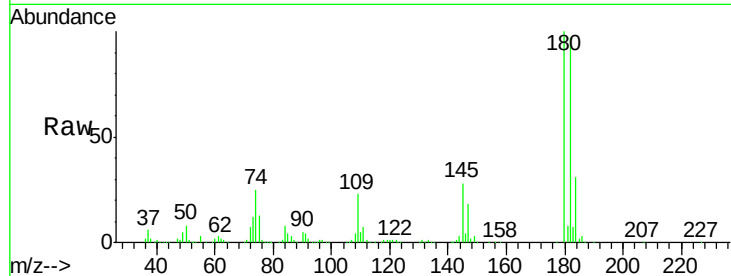
#93
 1,2,4-Trichlorobenzene
 Concen: 54.451 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

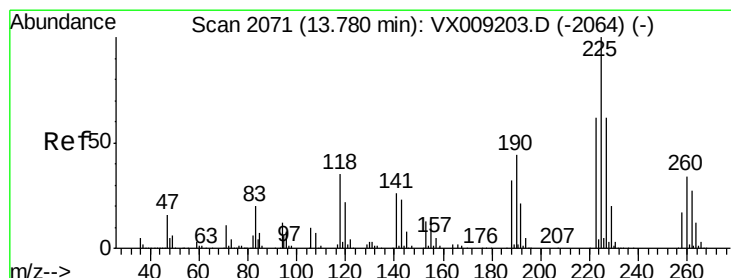
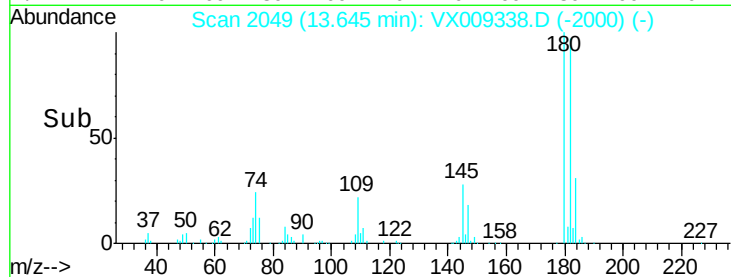
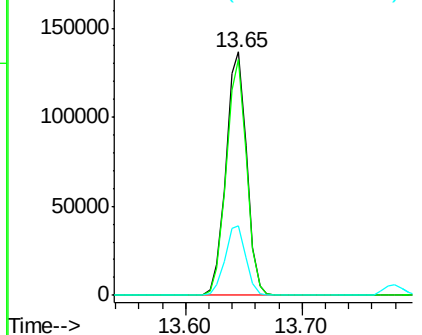
Tot Ion	Ratio	Resp	Lower	Upper
180	100	167819		
182	95.1	48.4	145.2	
145	28.6	14.6	43.8	

Manual Integrations
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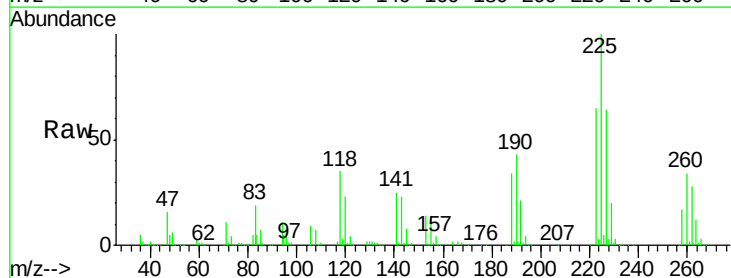


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

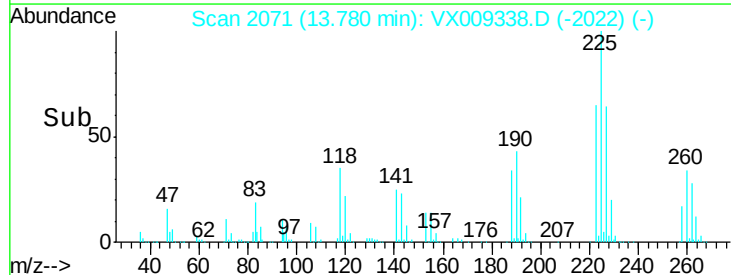
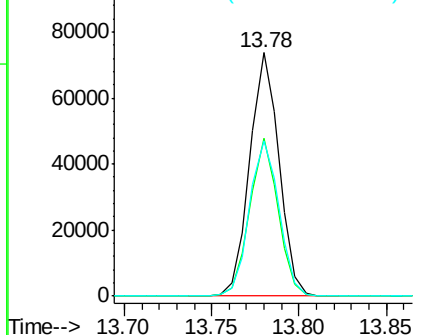


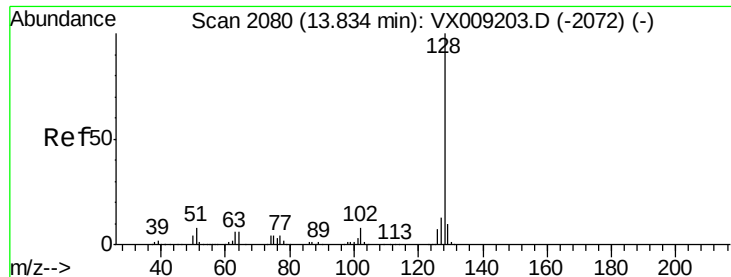
#94
 Hexachlorobutadiene
 Concen: 54.755 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009338.D
 Acq: 06 May 2019 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86176		
223	62.8	31.3	93.8	
227	64.5	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.941 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Instrument :

MSVOA_X

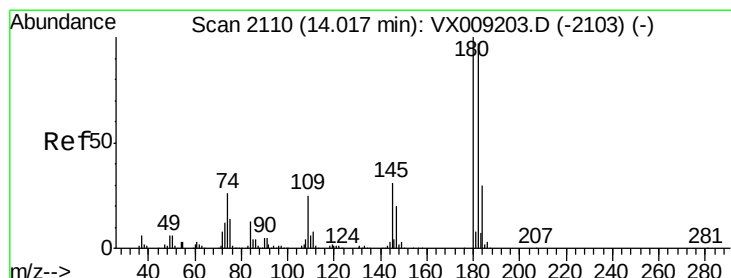
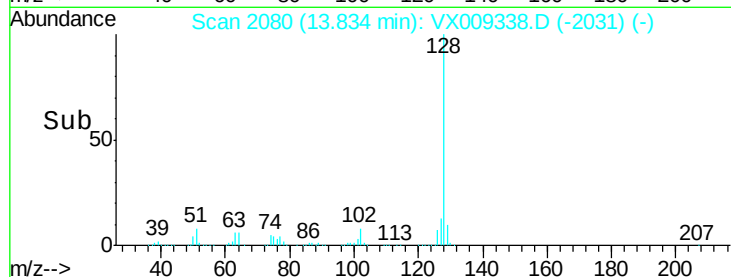
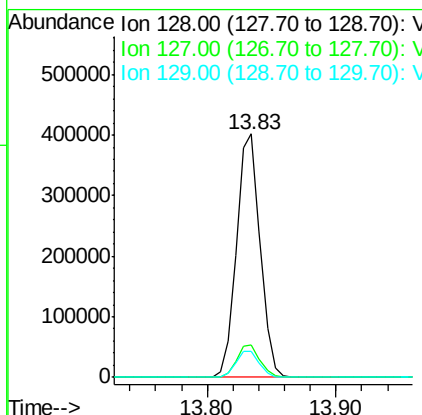
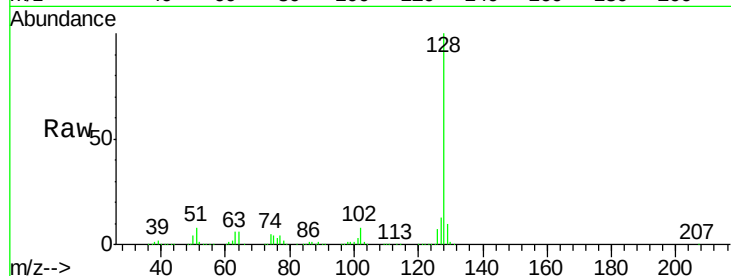
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	510789
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:41:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.942 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009338.D

Acq: 06 May 2019 09:55

Tgt Ion:	180	Resp:	165396
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.4
145	30.9	15.4	46.4

