

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060319\
 Data File : VX010025.D
 Acq On : 03 Jun 2019 10:28
 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
 6/4/2019 11:30:12 AM

Quant Time: Jun 04 03:59:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	172046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	260777	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	111127	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
35) Dibromofluoromethane	5.49	113	82078	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	8.71	98	334781	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.13	95	125238	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	116621	55.471	ug/l	99
3) Chloromethane	1.32	50	121141	42.861	ug/l	100
4) Vinyl Chloride	1.41	62	115472	45.321	ug/l	99
5) Bromomethane	1.64	94	65026	42.123	ug/l	100
6) Chloroethane	1.71	64	69199	44.120	ug/l	99
7) Trichlorofluoromethane	1.92	101	137325	48.774	ug/l	98
8) Diethyl Ether	2.18	74	58204	43.991	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	85404	50.242	ug/l	97
10) Methyl Iodide	2.51	142	84956	41.259	ug/l	100
11) Tert butyl alcohol	3.05	59	131323	219.569	ug/l	99
12) 1,1-Dichloroethene	2.37	96	84215	48.334	ug/l	95
13) Acrolein	2.29	56	101913	241.201	ug/l	99
14) Allyl chloride	2.73	41	205649	48.562	ug/l	99
15) Acrylonitrile	3.14	53	324868	225.431	ug/l	99
16) Acetone	2.45	43	349190	248.681	ug/l	98
17) Carbon Disulfide	2.57	76	250915	47.578	ug/l	99
18) Methyl Acetate	2.77	43	152114	46.556	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	321038	48.804	ug/l	99
20) Methylene Chloride	2.85	84	100475	46.726	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	91550	47.223	ug/l	98
22) Diisopropyl ether	3.85	45	387990	48.152	ug/l	89
23) Vinyl Acetate	3.81	43	1736533	239.903	ug/l	99
24) 1,1-Dichloroethane	3.70	63	188002	48.146	ug/l	99
25) 2-Butanone	4.67	43	512982	234.487	ug/l	98
26) 2,2-Dichloropropane	4.58	77	150049	50.798	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	105287	47.048	ug/l	98
28) Bromochloromethane	5.01	49	94657	46.713	ug/l	97
29) Tetrahydrofuran	5.12	42	317682	226.451	ug/l	99
30) Chloroform	5.21	83	171720	48.762	ug/l	98
31) Cyclohexane	5.57	56	186609	50.457	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	146217	50.982	ug/l	99
36) 1,1-Dichloropropene	5.79	75	136103	51.439	ug/l	99
37) Ethyl Acetate	4.83	43	182570	49.521	ug/l	99
38) Carbon Tetrachloride	5.78	117	124380	54.400	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175254	55.840	ug/l	98
40) Benzene	6.14	78	407209	51.881	ug/l	100
41) Methacrylonitrile	5.04	41	104595	48.553	ug/l	99
42) 1,2-Dichloroethane	6.19	62	146434	50.465	ug/l	99
43) Isopropyl Acetate	6.44	43	295541	49.682	ug/l	99
44) Trichloroethene	7.21	130	99534	52.207	ug/l	99
45) 1,2-Dichloropropane	7.51	63	115721	51.217	ug/l	100
46) Dibromomethane	7.66	93	66557	50.044	ug/l	99
47) Bromodichloromethane	7.90	83	137850	54.506	ug/l	99
48) Methyl methacrylate	7.77	41	150271	51.029	ug/l	99
49) 1,4-Dioxane	7.74	88	53305	973.144	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	976738	252.408	ug/l	100
52) Toluene	8.78	92	253459	53.186	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	163308	53.842	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	177325	53.658	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	99771	52.016	ug/l	99
56) Ethyl methacrylate	9.18	69	187067	54.782	ug/l	98
57) 1,3-Dichloropropane	9.37	76	176136	51.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	458652	256.141	ug/l	99
59) 2-Hexanone	9.49	43	777783	261.064	ug/l	100
60) Dibromochloromethane	9.58	129	105393	55.858	ug/l	100
61) 1,2-Dibromoethane	9.67	107	103179	52.361	ug/l	100
64) Tetrachloroethene	9.34	164	91922	54.483	ug/l	97
65) Chlorobenzene	10.13	112	264414	52.289	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	95381	54.383	ug/l	99
67) Ethyl Benzene	10.25	91	494575	54.472	ug/l	99
68) m/p-Xylenes	10.35	106	366895	109.381	ug/l	98
69) o-Xylene	10.69	106	176982	55.016	ug/l	98
70) Styrene	10.71	104	310035	54.962	ug/l	99
71) Bromoform	10.85	173	83739	58.410	ug/l #	97
73) Isopropylbenzene	11.02	105	476701	52.384	ug/l	99
74) N-amyl acetate	10.90	43	274585	50.495	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	166660	49.090	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	147328m	49.952	ug/l	
77) Bromobenzene	11.26	156	120004	51.745	ug/l	95
78) n-propylbenzene	11.36	91	564723	53.838	ug/l	99
79) 2-Chlorotoluene	11.42	91	326571	50.957	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	407492	53.152	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	61889	51.917	ug/l	97
82) 4-Chlorotoluene	11.51	91	384966	51.601	ug/l	99
83) tert-Butylbenzene	11.77	119	394615	53.802	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	410700	52.750	ug/l	99
85) sec-Butylbenzene	11.94	105	476821	54.645	ug/l	100
86) p-Isopropyltoluene	12.06	119	439517	55.999	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	218292	52.870	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	217224	51.588	ug/l	99
89) n-Butylbenzene	12.38	91	414547	56.202	ug/l	100
90) Hexachloroethane	12.59	117	75791	56.270	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	212233	52.137	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37733	47.217	ug/l	94

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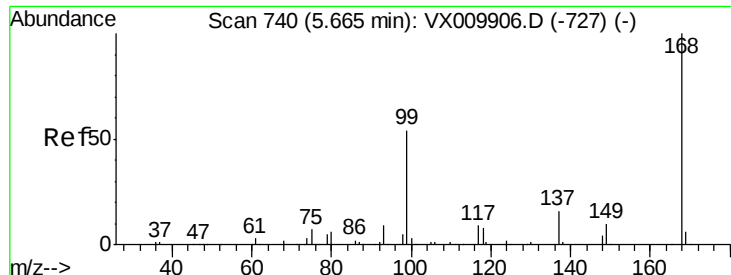
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	159413	54.800	ug/l	100
94) Hexachlorobutadiene	13.78	225	81692	55.988	ug/l	98
95) Naphthalene	13.83	128	475713	52.549	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	153813	52.823	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 172046

Ion Ratio Lower Upper

168 100

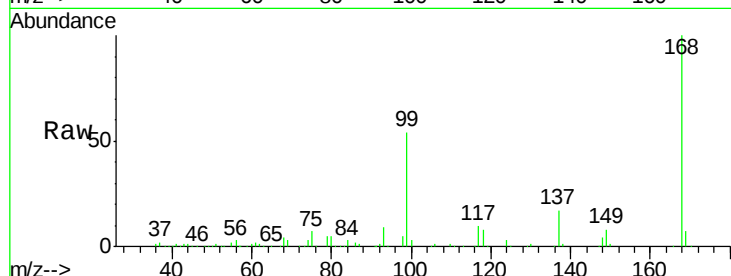
99 53.4 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

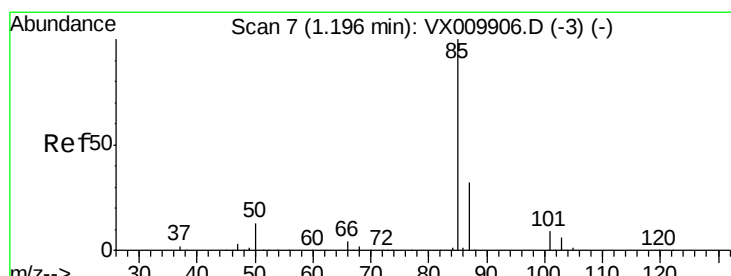
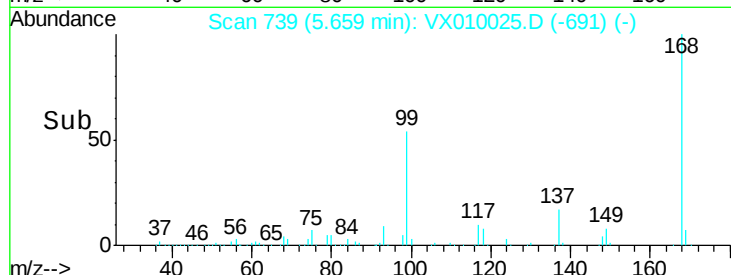
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 55.471 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010025.D

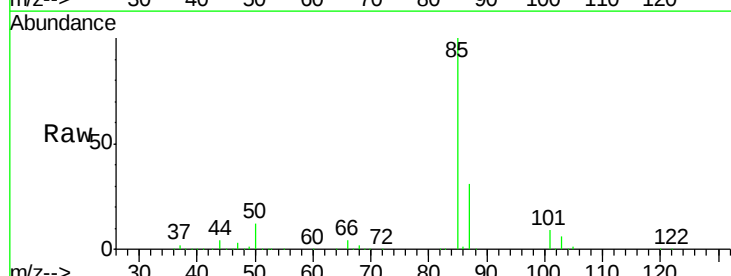
Acq: 03 Jun 2019 10:28

Tgt Ion: 85 Resp: 116621

Ion Ratio Lower Upper

85 100

87 31.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

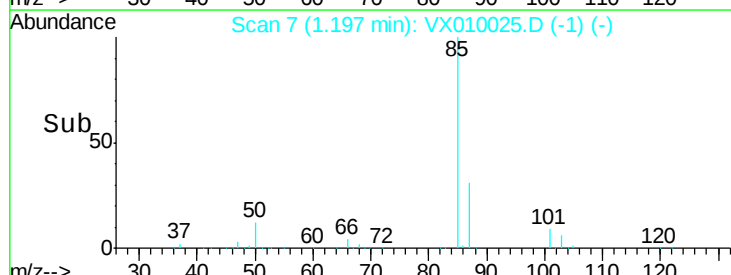
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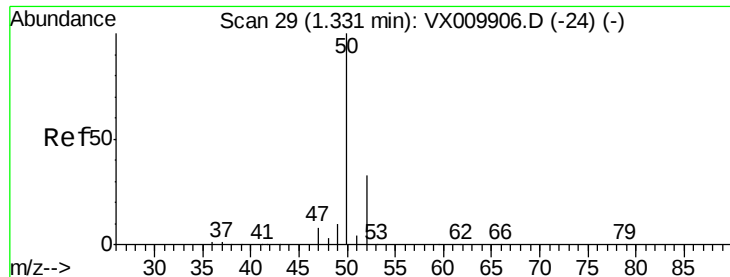
20000

0

Time-->

1.20 1.30





#3

Chloromethane

Concen: 42.861 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 121141

Ion Ratio Lower Upper

50 100

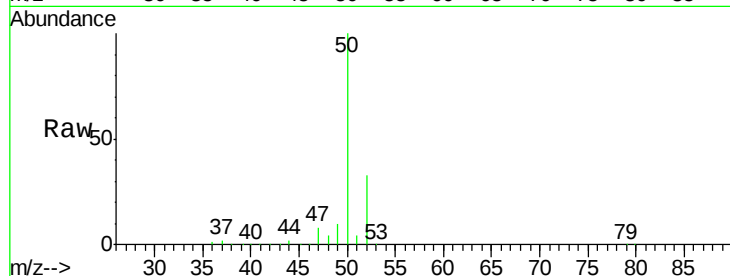
52 32.6 26.0 39.0

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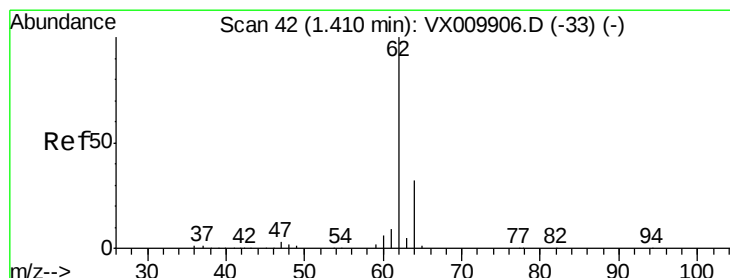
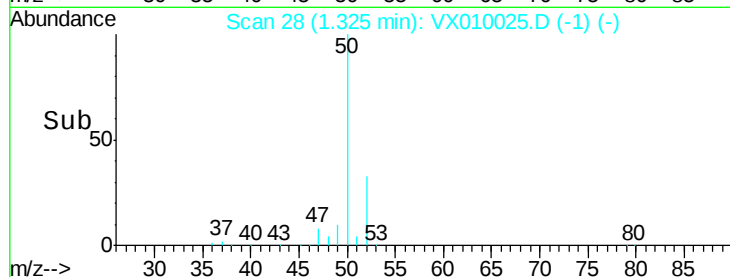
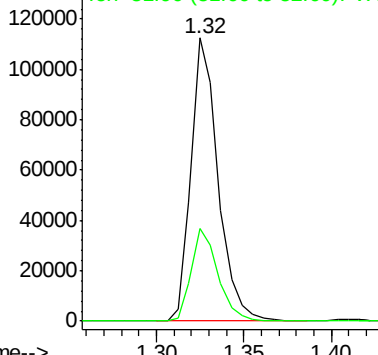
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.321 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010025.D

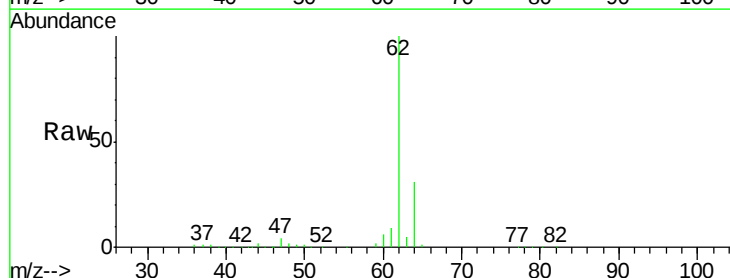
Acq: 03 Jun 2019 10:28

Tgt Ion: 62 Resp: 115472

Ion Ratio Lower Upper

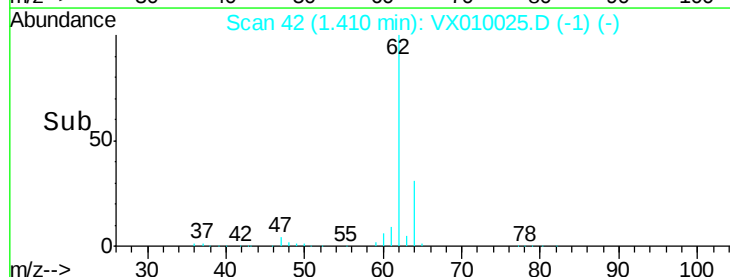
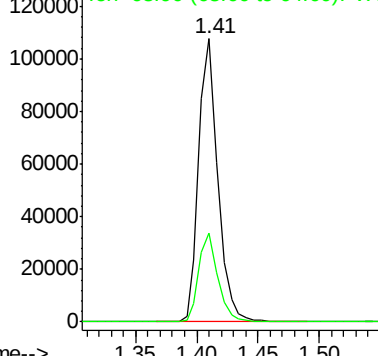
62 100

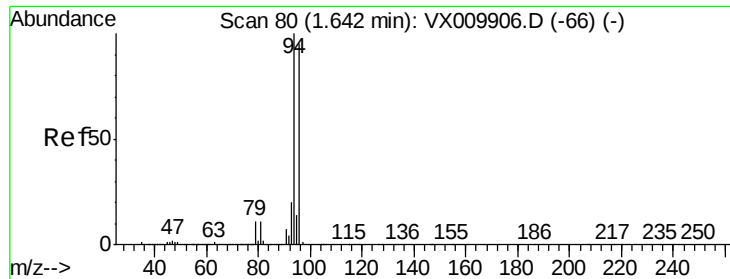
64 31.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.123 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65026

Ion Ratio Lower Upper

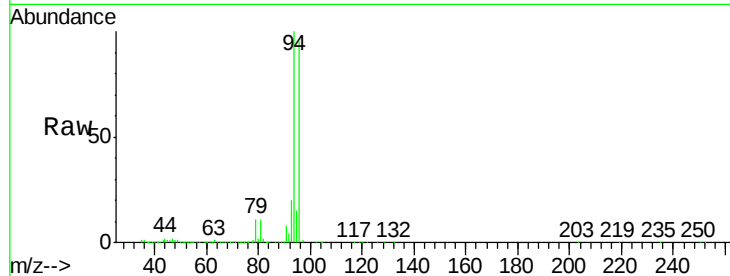
94 100

96 95.4 76.2 114.4

Manual Integrations
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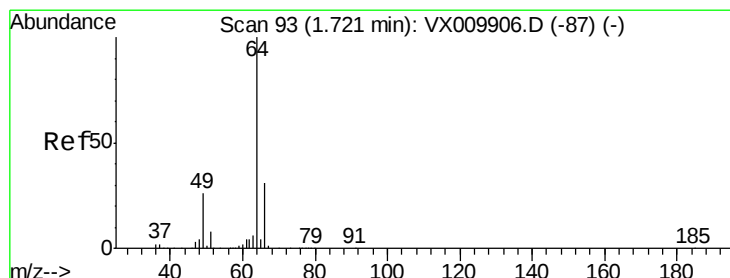
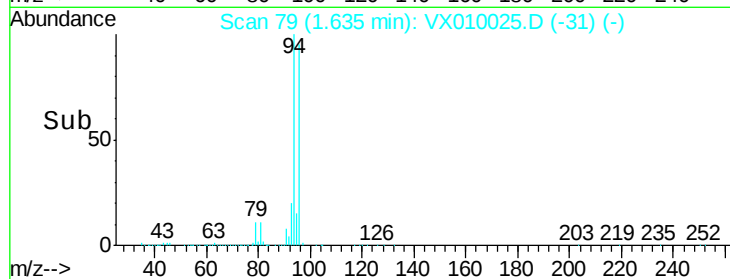
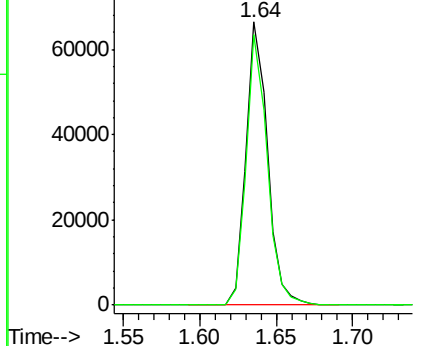
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 44.120 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010025.D

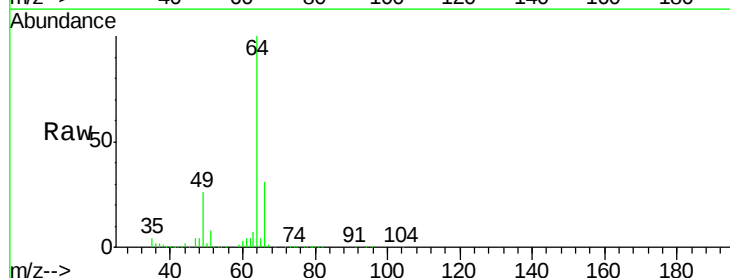
Acq: 03 Jun 2019 10:28

Tgt Ion: 64 Resp: 69199

Ion Ratio Lower Upper

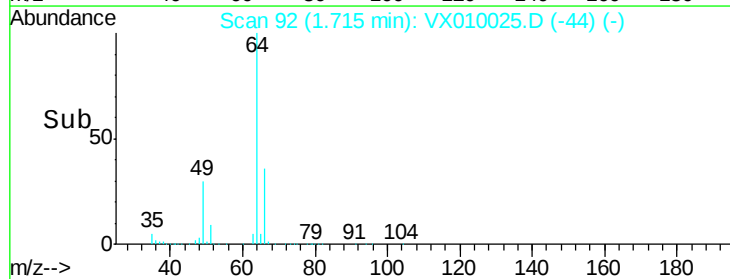
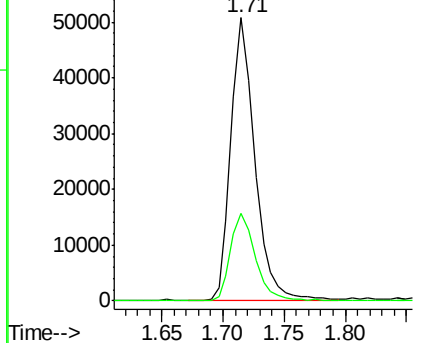
64 100

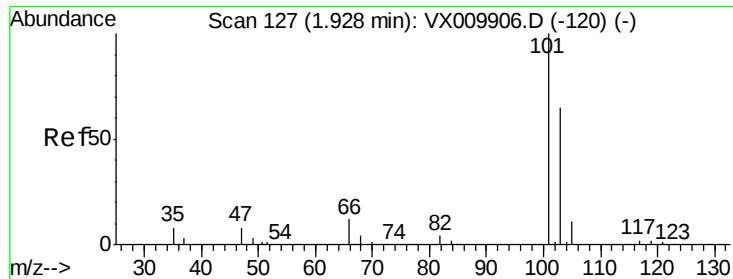
66 31.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

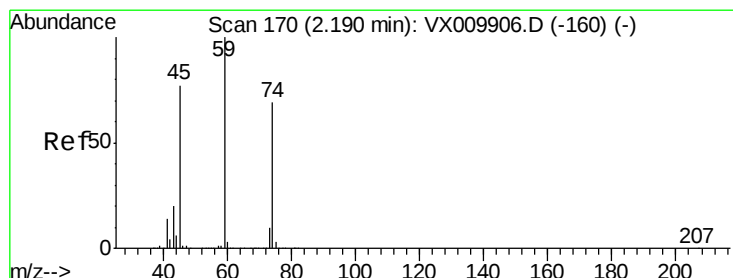
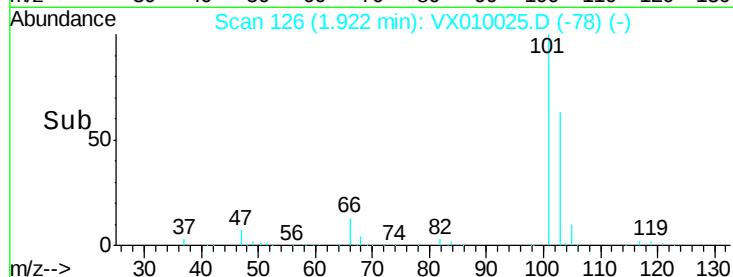
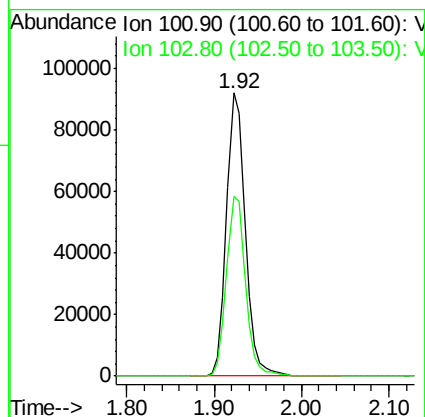
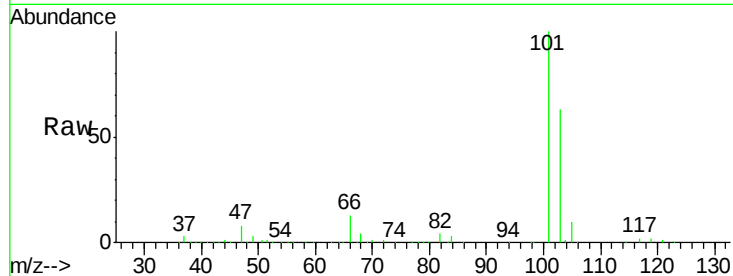
Trichlorofluoromethane
Concen: 48.774 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:101 Resp: 137325
Ion Ratio Lower Upper
101 100
103 63.5 52.2 78.4

Manual Integrations
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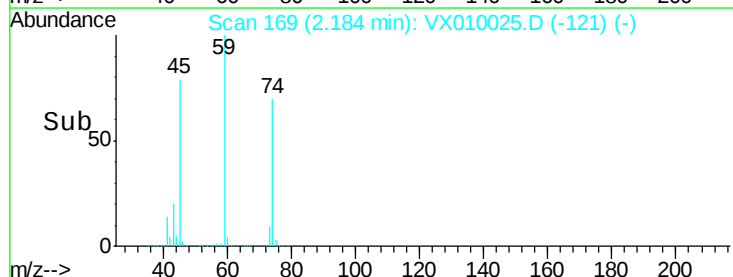
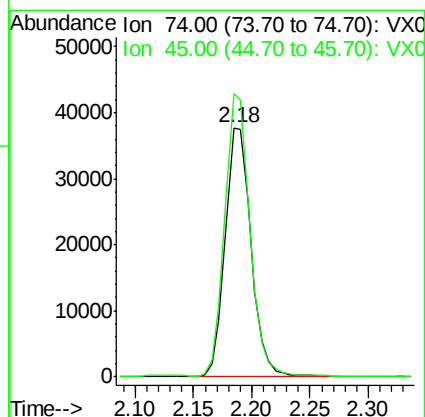
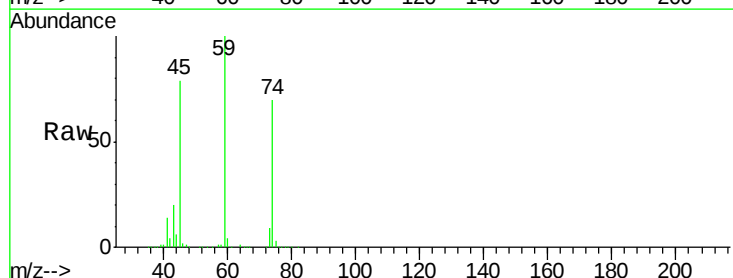
MMDadoda
6/4/2019 11:30:12 AM

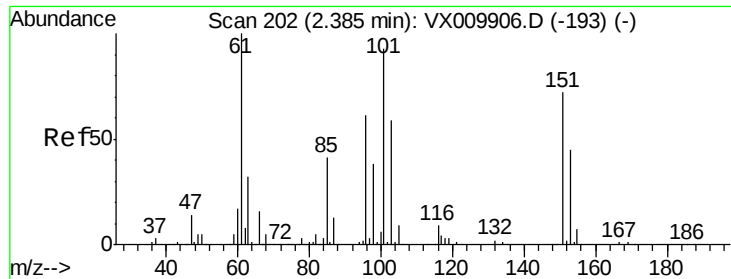


#8

Diethyl Ether
Concen: 43.991 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion: 74 Resp: 58204
Ion Ratio Lower Upper
74 100
45 110.0 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.242 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

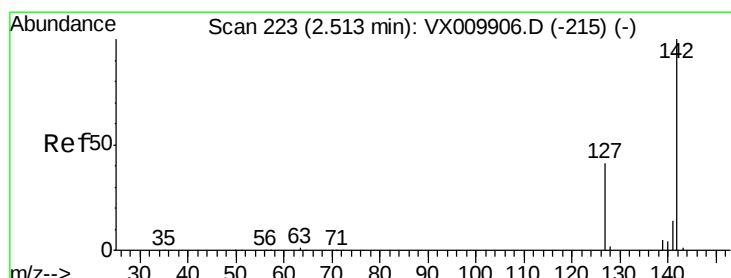
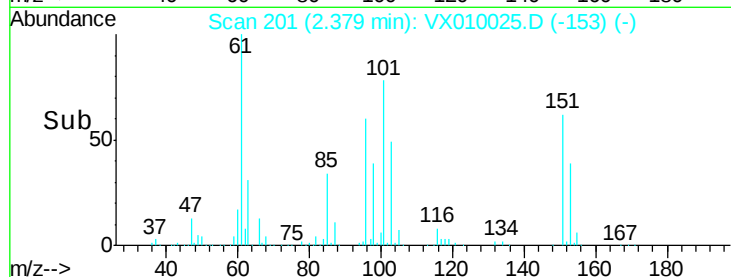
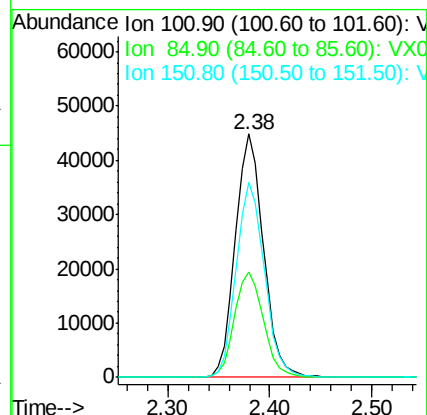
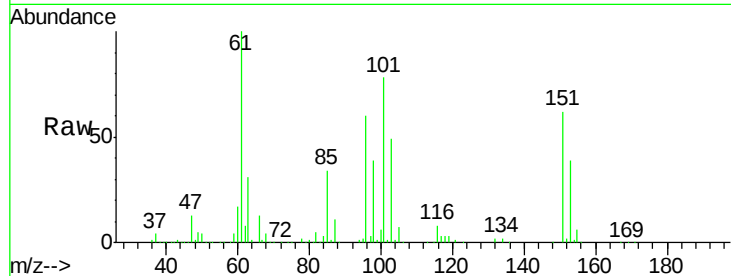
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	85404
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.2	52.8
151	80.7	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 41.259 ug/l

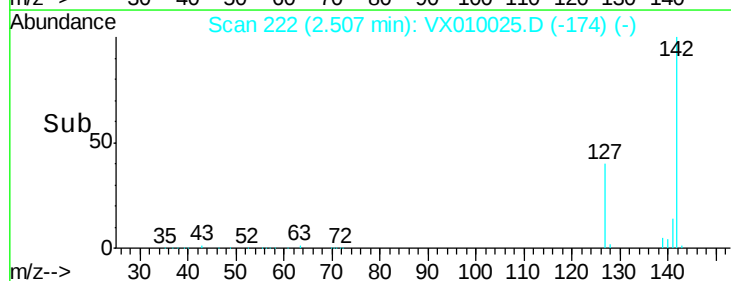
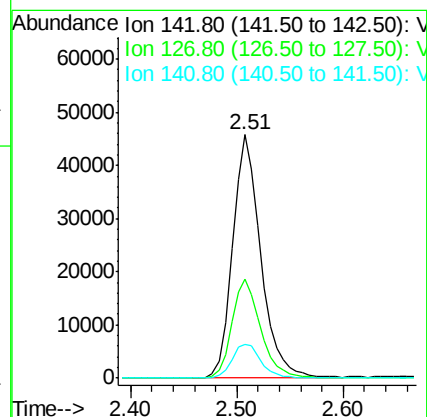
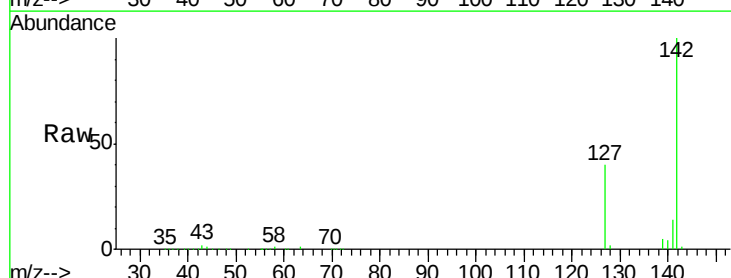
RT: 2.51 min Scan# 222

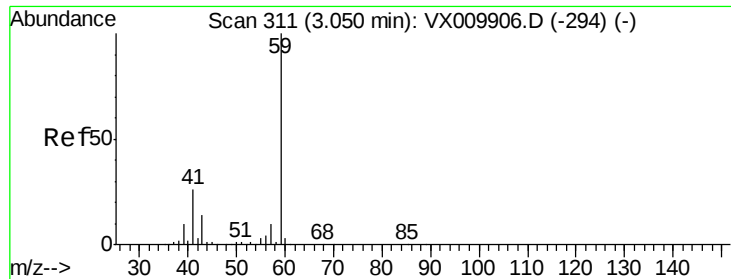
Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Tgt Ion:	142	Resp:	84956
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.0	49.4
141	14.5	11.4	17.0





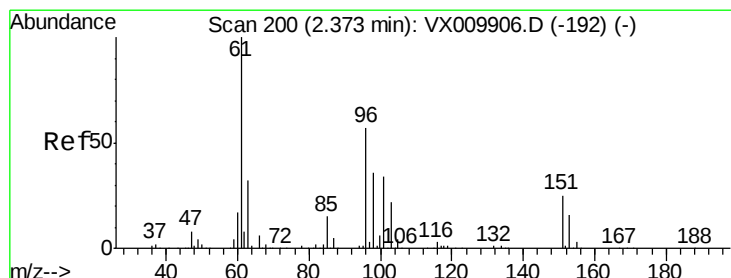
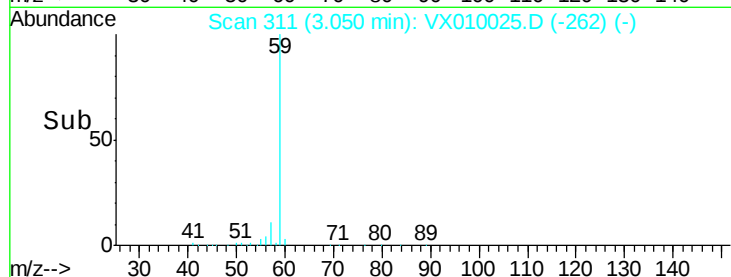
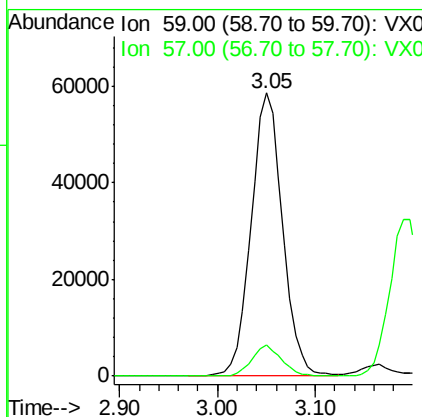
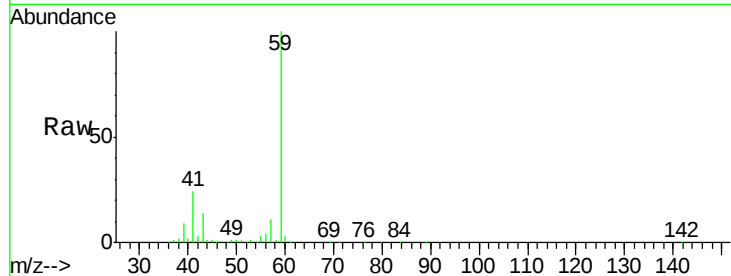
#11
Tert butyl alcohol
Concen: 219.569 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	131323
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.2

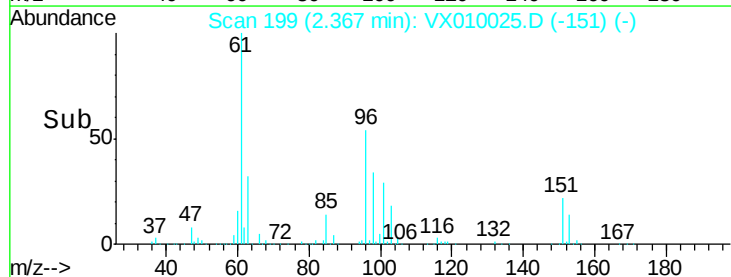
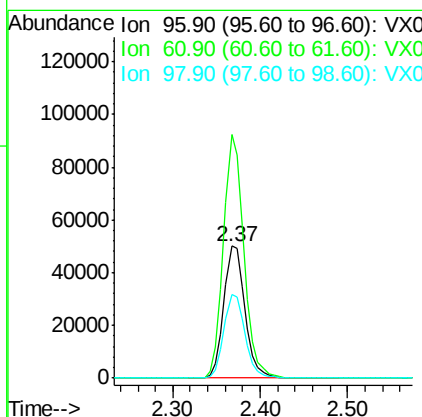
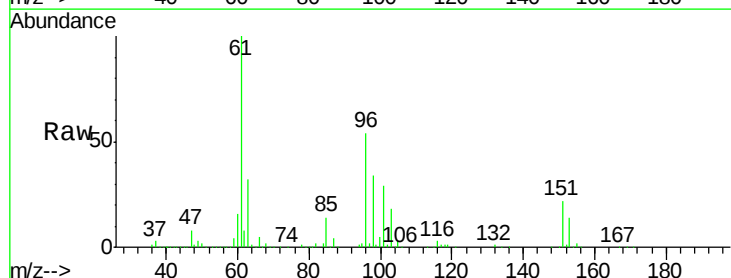
Manual Integrations
APPROVED

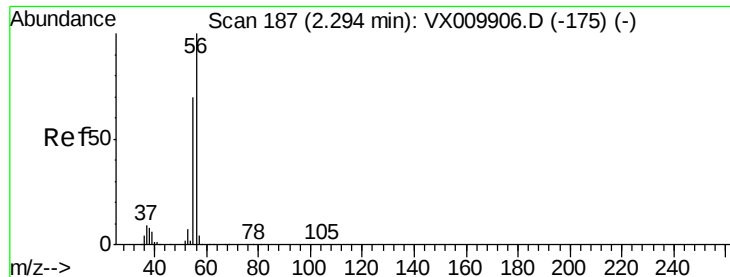
MMDadoda
6/4/2019 11:30:12 AM



#12
1,1-Dichloroethene
Concen: 48.334 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	96	Resp	84215
Ion Ratio	100	Lower	Upper
61	184.9	140.7	211.1
98	63.3	50.1	75.1





#13

Acrolein

Concen: 241.201 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 101913

Ion Ratio Lower Upper

56 100

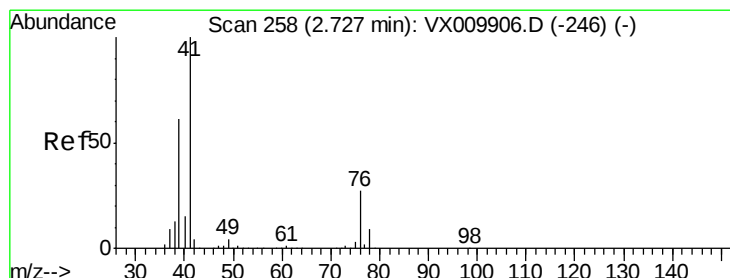
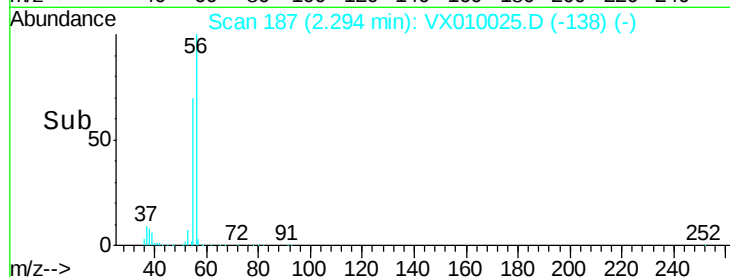
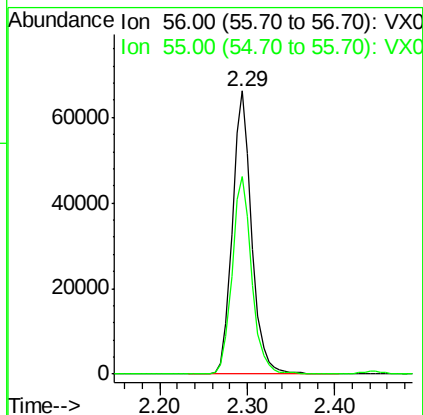
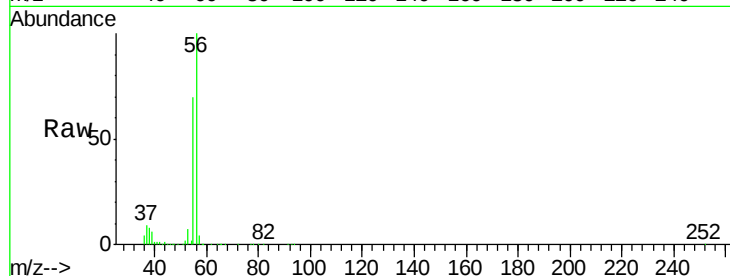
55 70.7 57.0 85.4

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 48.562 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

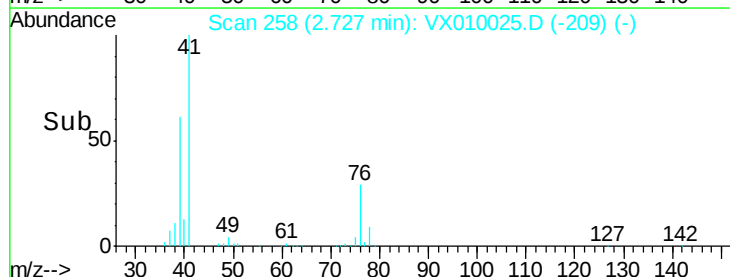
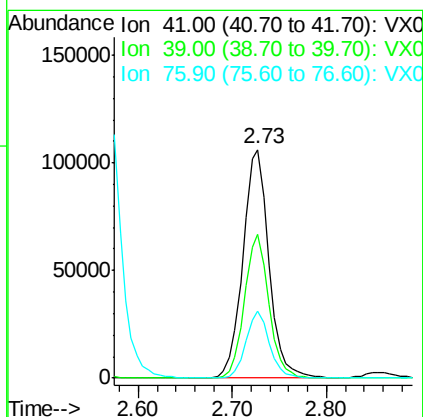
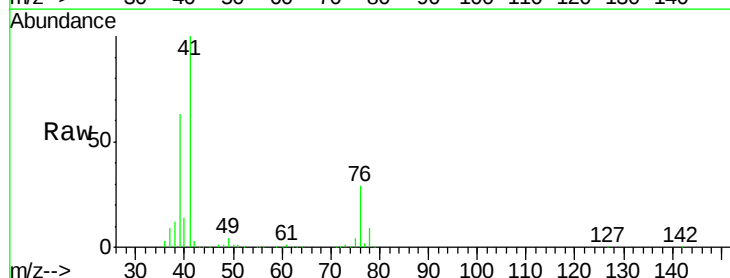
Tgt Ion: 41 Resp: 205649

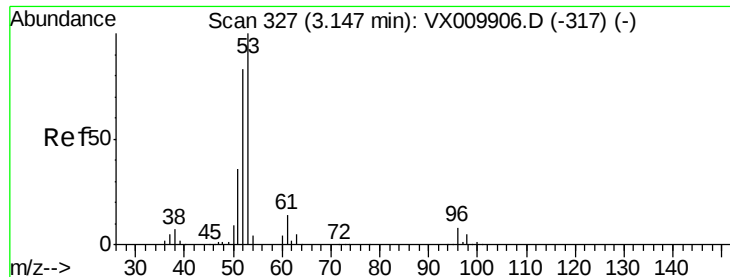
Ion Ratio Lower Upper

41 100

39 59.1 46.7 70.1

76 26.4 21.0 31.4





#15

Acrylonitrile

Concen: 225.431 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 324868

Ion Ratio Lower Upper

53 100

52 83.9 66.7 100.1

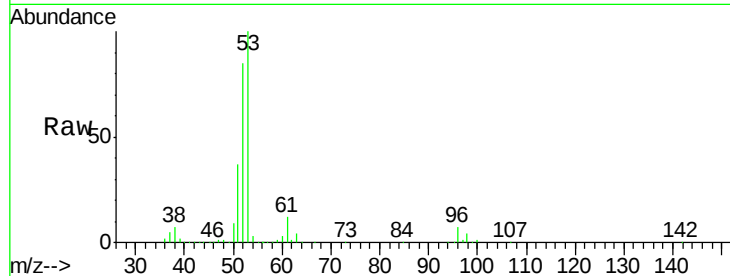
51 36.4 28.8 43.2

Manual Integrations

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MMDadoda

6/4/2019 11:30:12 AM



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.14

200000

150000

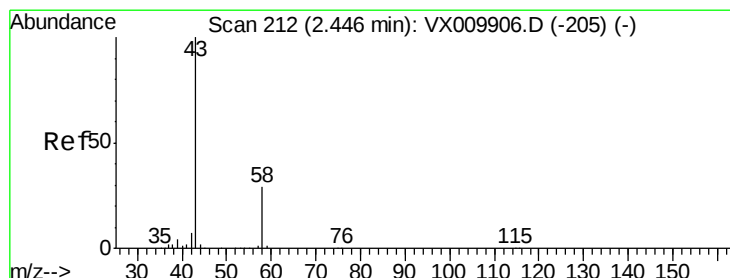
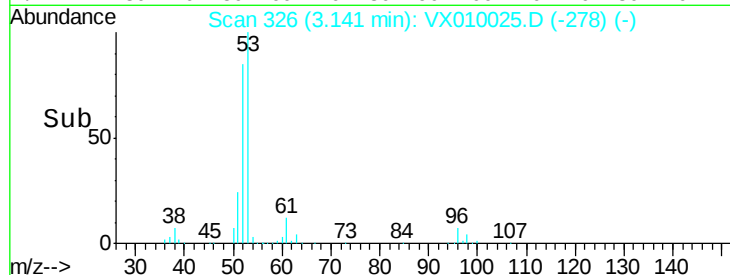
100000

50000

0

Time-->

3.00 3.10 3.20 3.30 3.40



#16

Acetone

Concen: 248.681 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010025.D

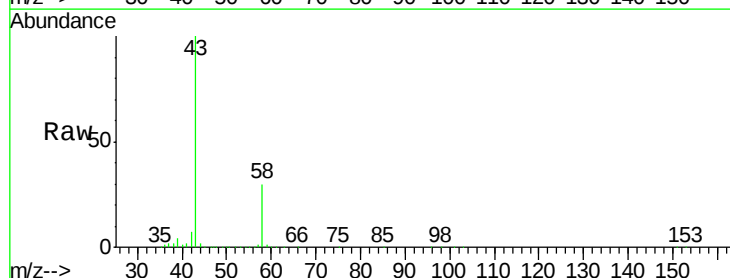
Acq: 03 Jun 2019 10:28

Tgt Ion: 43 Resp: 349190

Ion Ratio Lower Upper

43 100

58 30.1 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

200000

150000

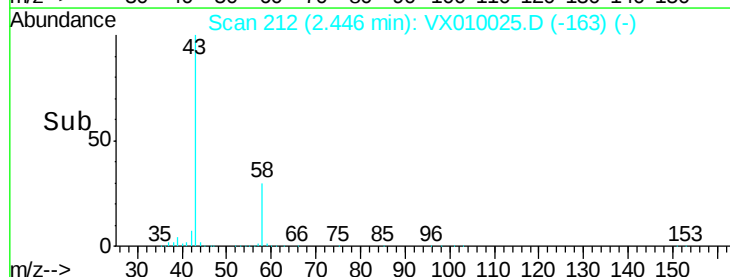
100000

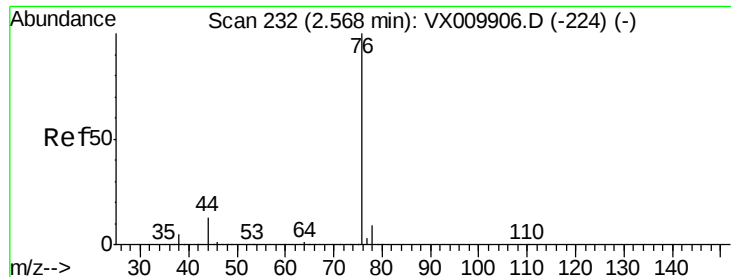
50000

0

Time-->

2.40 2.50 2.60





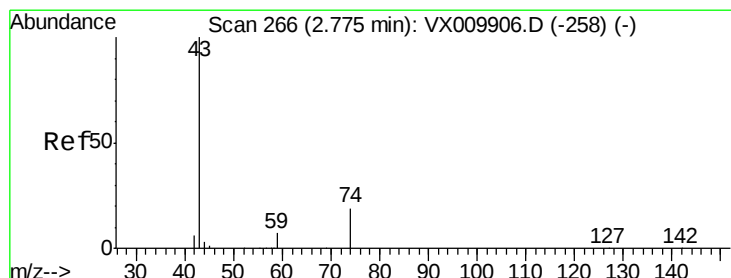
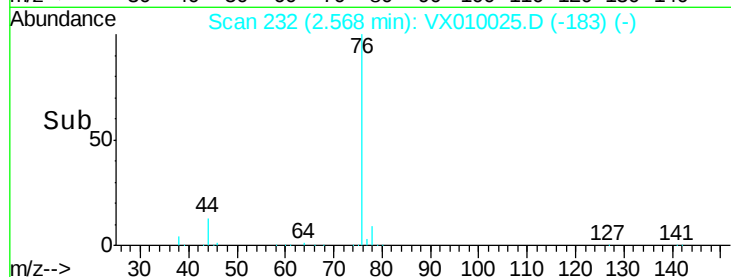
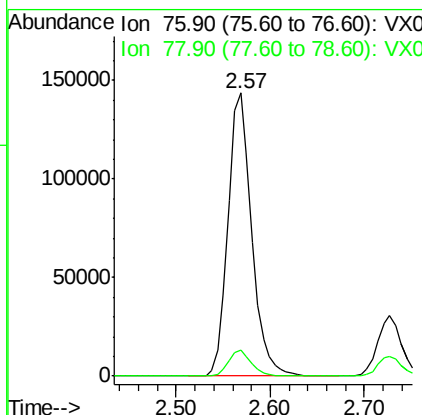
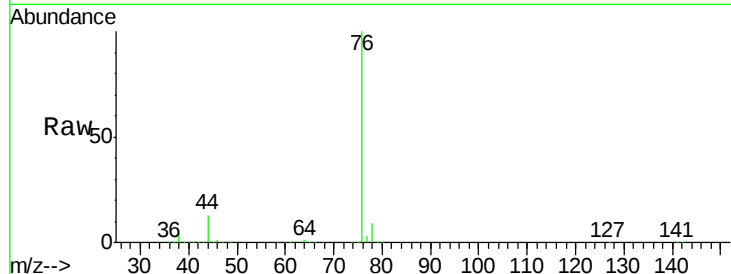
#17
Carbon Disulfide
Concen: 47.578 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

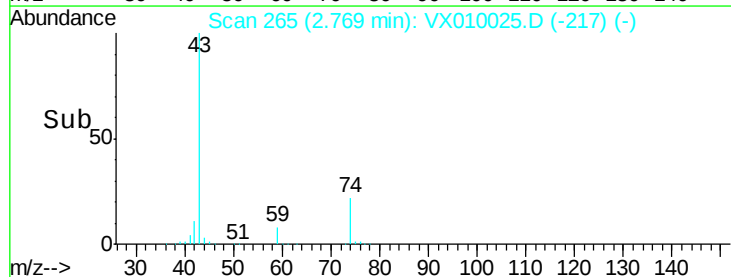
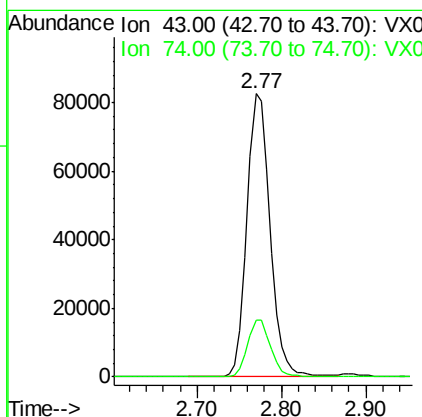
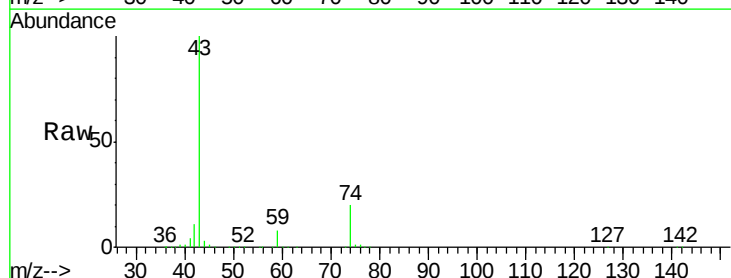
Manual Integrations
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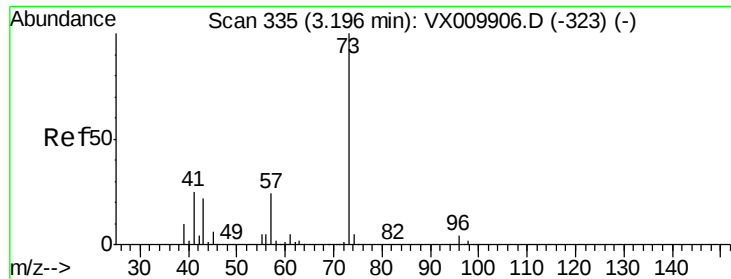
MMDadoda
6/4/2019 11:30:12 AM



#18
Methyl Acetate
Concen: 46.556 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	15.8	23.6





#19

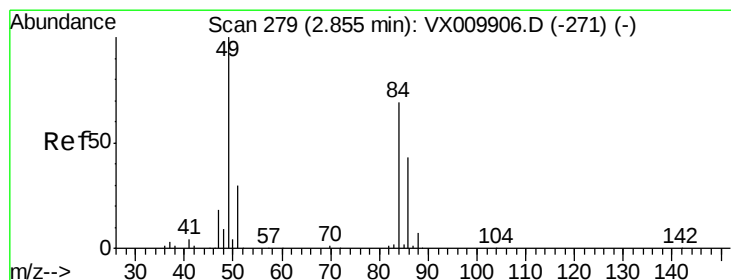
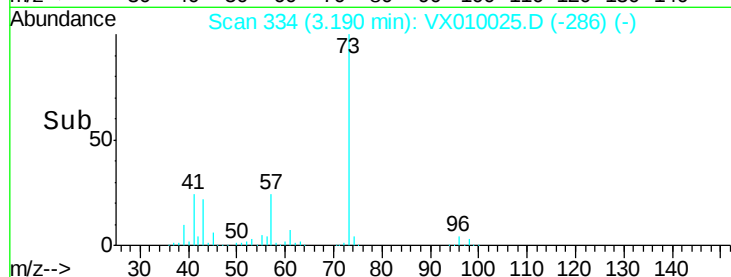
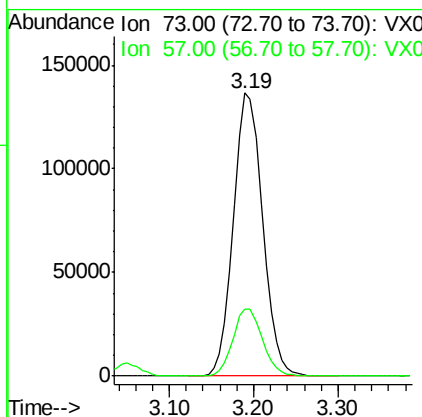
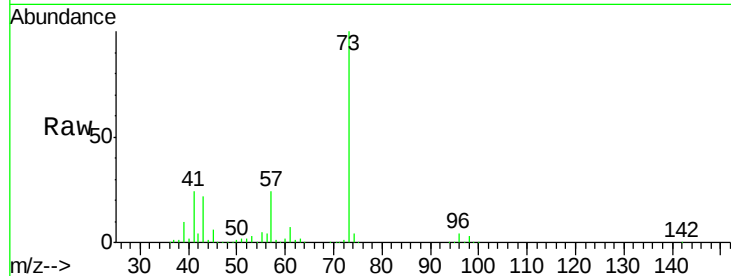
Methyl tert-butyl Ether
 Concen: 48.804 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion	73	Resp	321038
Ion Ratio	Lower	Upper	
73	100		
57	23.8	19.4	29.2

Manual Integrations
 APPROVED

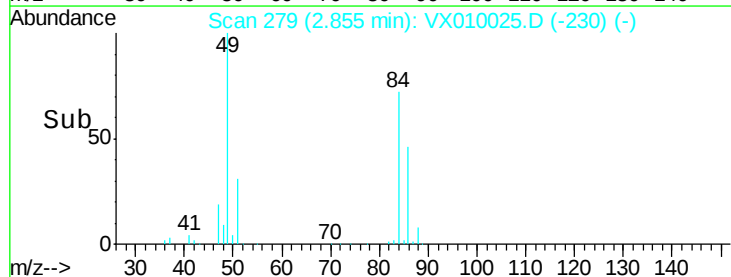
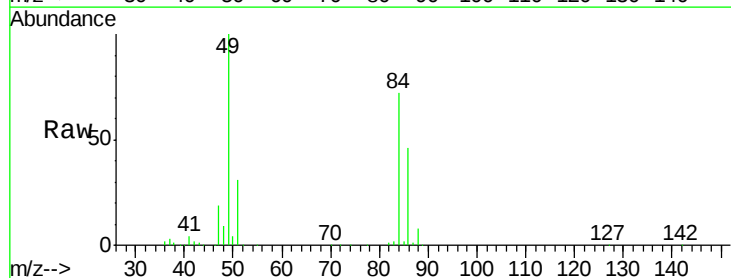
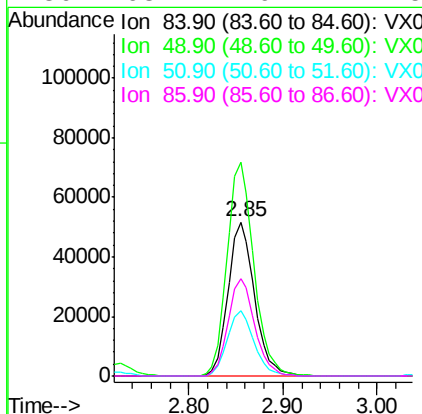
MMDadoda
 6/4/2019 11:30:12 AM

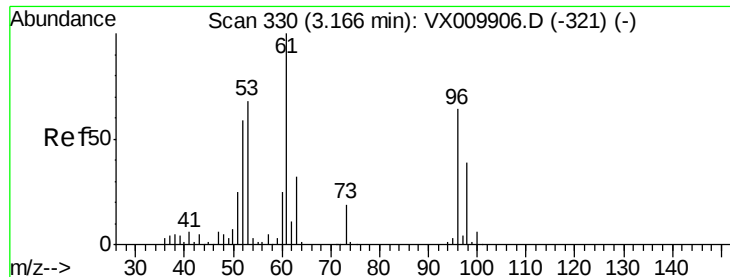


#20

Methylene Chloride
 Concen: 46.726 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Tgt Ion	84	Resp	100475
Ion Ratio	Lower	Upper	
84	100		
49	138.8	115.8	173.6
51	42.6	34.4	51.6
86	63.7	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 47.223 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

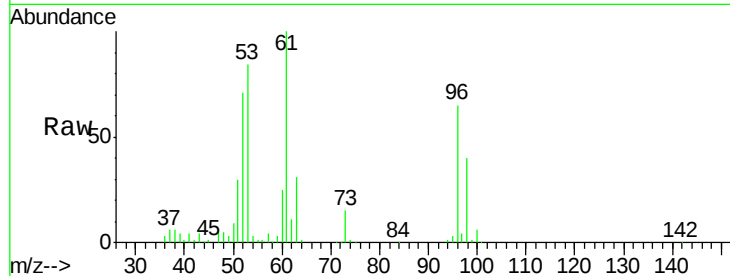
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	91550
Ion	Ratio	Lower	Upper
96	100		
61	154.8	125.7	188.5
98	62.3	49.0	73.6

Manual Integrations
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MMDadoda
6/4/2019 11:30:12 AM

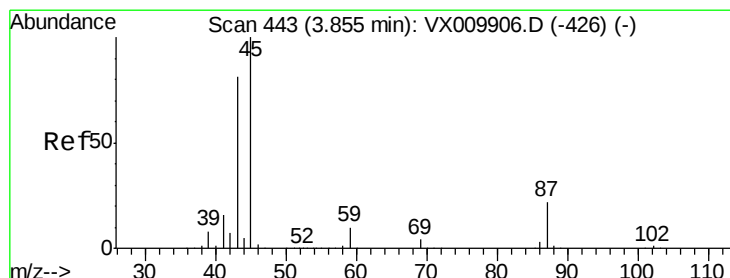
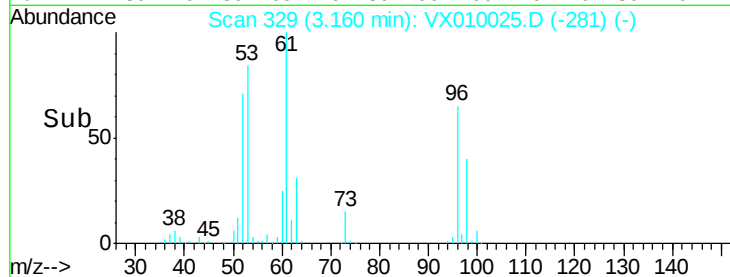
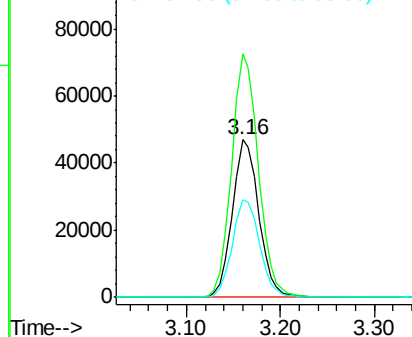


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.152 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Tgt Ion:	45	Resp:	387990
Ion	Ratio	Lower	Upper
45	100		
43	68.0	65.0	97.4
87	23.1	17.3	25.9
59	10.8	8.1	12.1

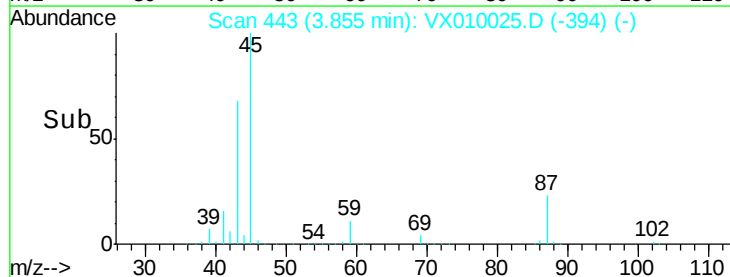
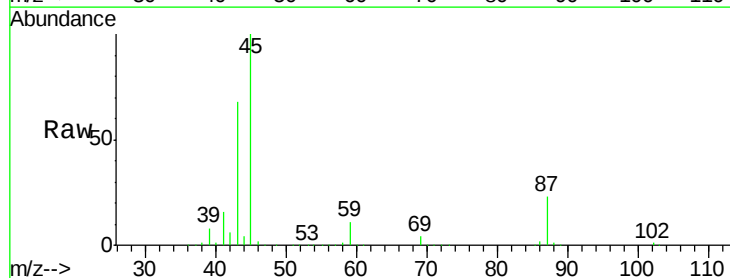
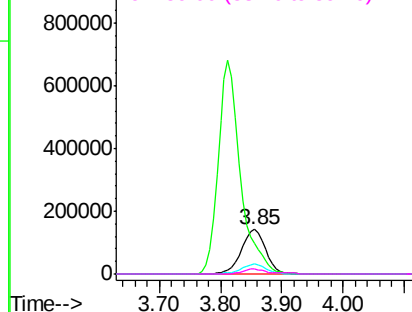
Abundance

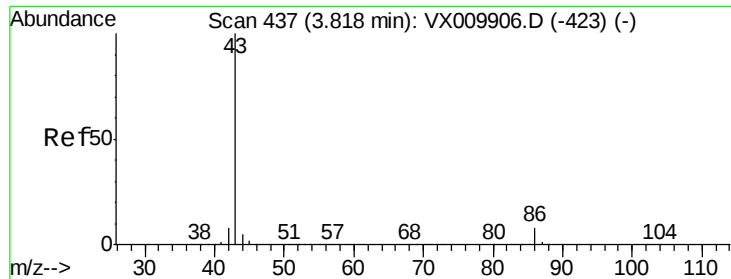
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 239.903 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1736533

Ion Ratio Lower Upper

43 100

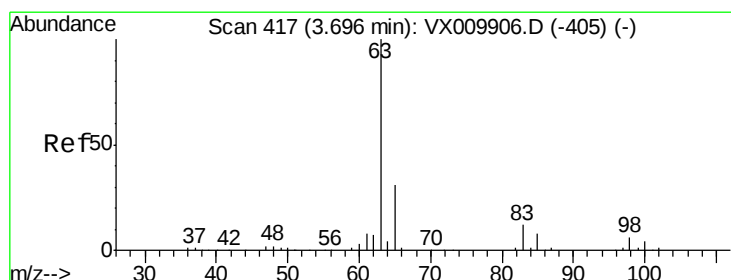
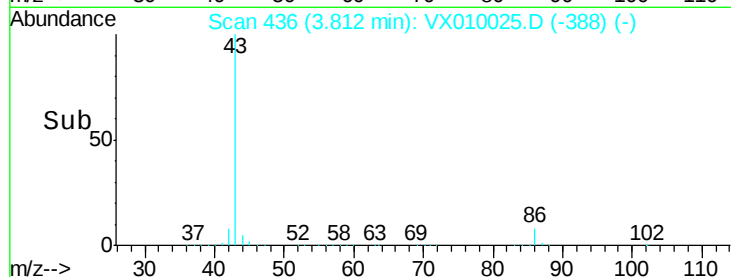
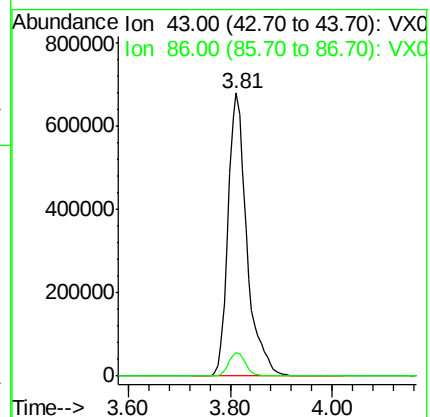
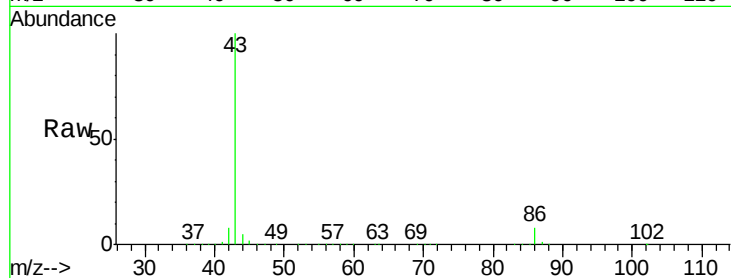
86 8.3 6.5 9.7

Manual Integrations

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6/4/2019 11:30:12 AM



#24

1,1-Dichloroethane

Concen: 48.146 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

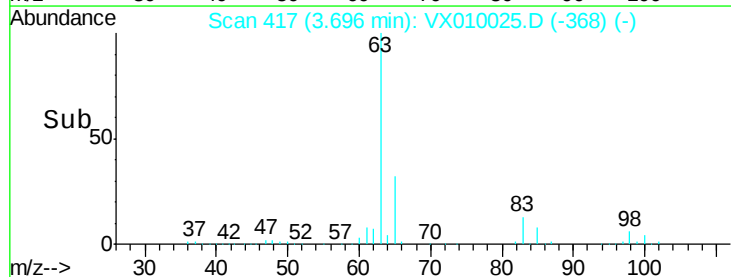
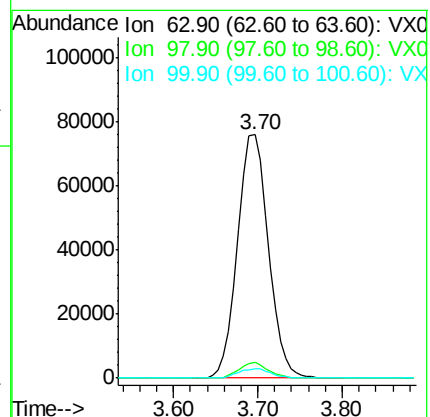
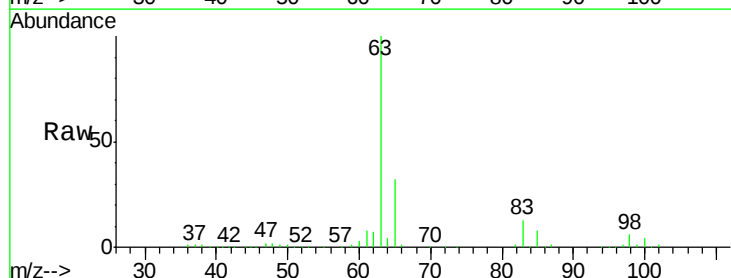
Tgt Ion: 63 Resp: 188002

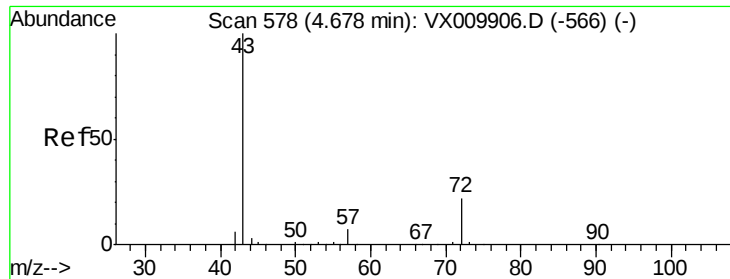
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 4.1 1.8 5.4





#25

2-Butanone

Concen: 234.487 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 512982

Ion Ratio Lower Upper

43 100

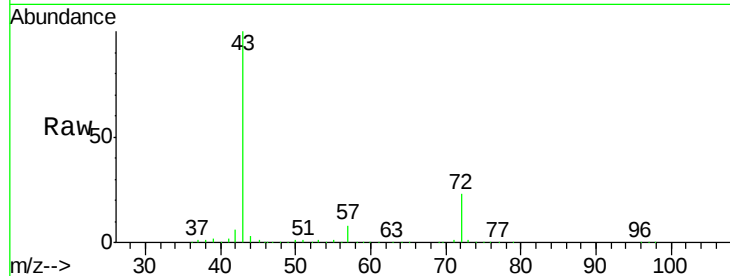
72 22.7 17.5 26.3

Manual Integrations

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MMDadoda

6/4/2019 11:30:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

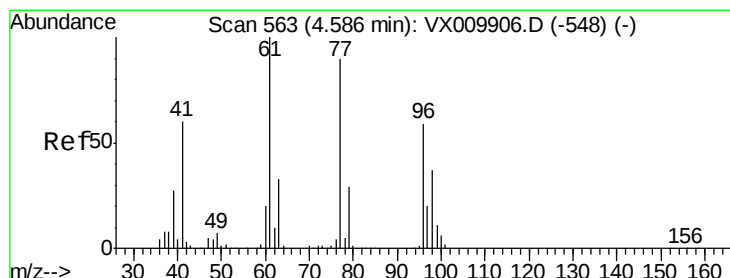
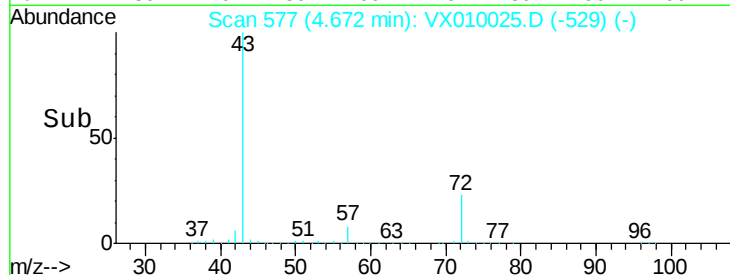
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 50.798 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010025.D

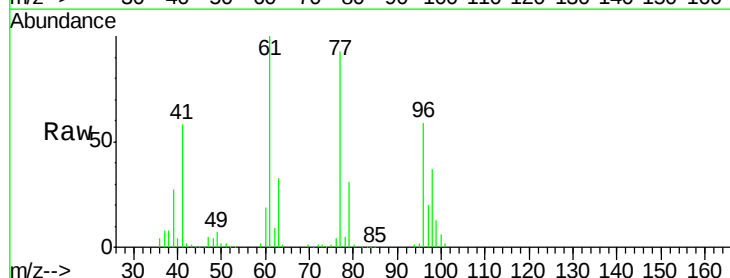
Acq: 03 Jun 2019 10:28

Tgt Ion: 77 Resp: 150049

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

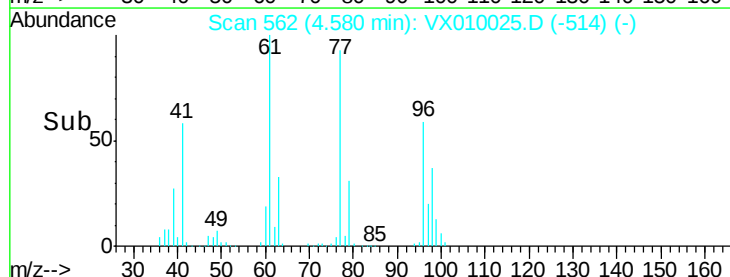
20000

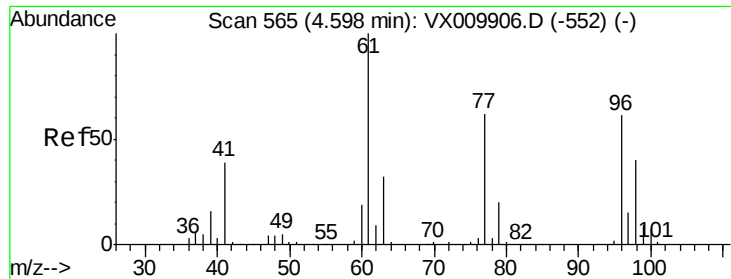
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

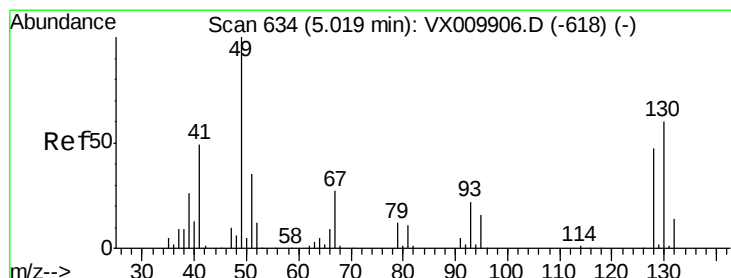
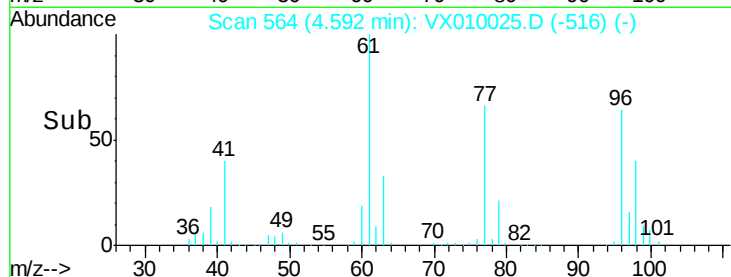
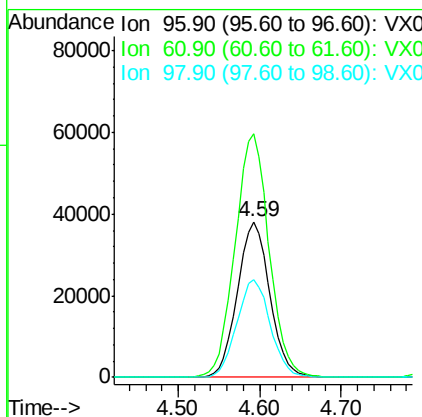
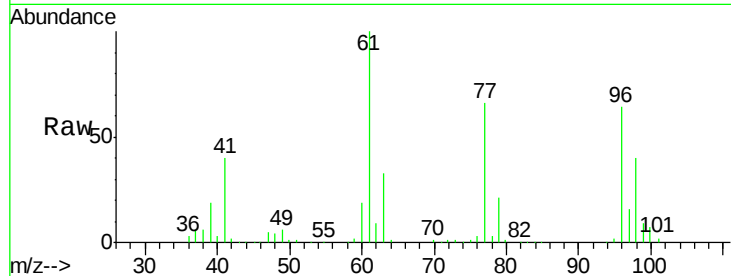
cis-1,2-Dichloroethene
Concen: 47.048 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	105287		
61	164.0	0.0	334.0	
98	64.8	0.0	131.6	

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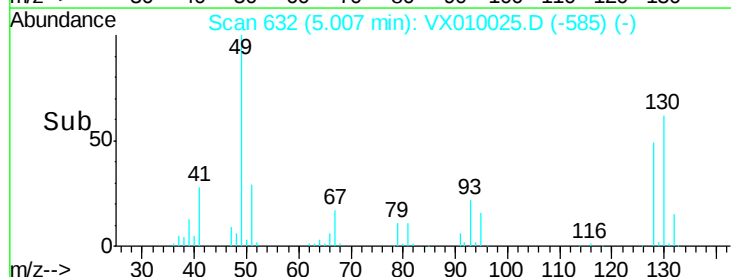
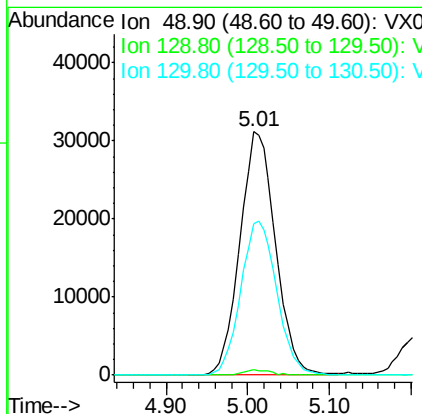
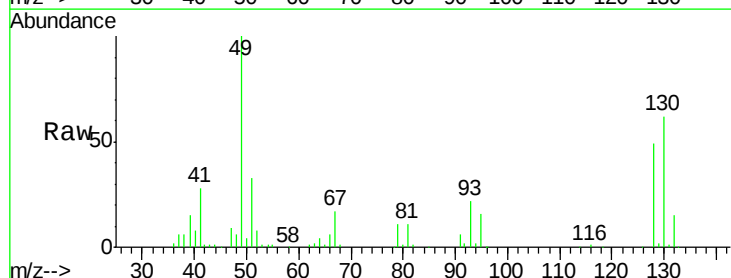
MMDadoda
6/4/2019 11:30:12 AM

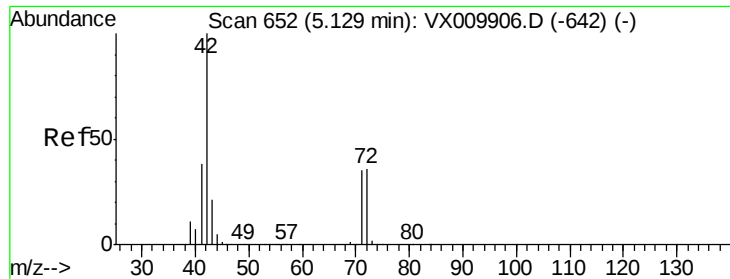


#28

Bromochloromethane
Concen: 46.713 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	94657		
129	1.7	0.0	3.4	
130	64.1	49.4	74.2	





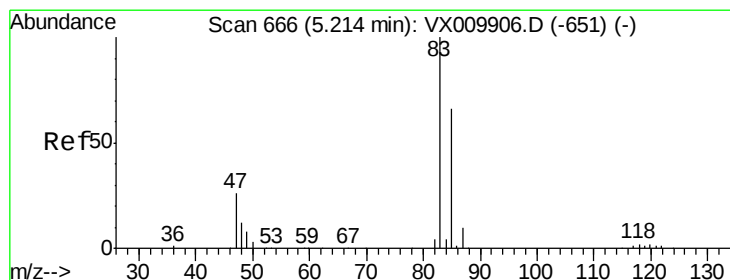
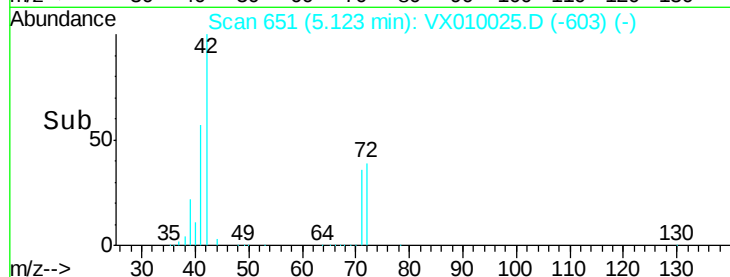
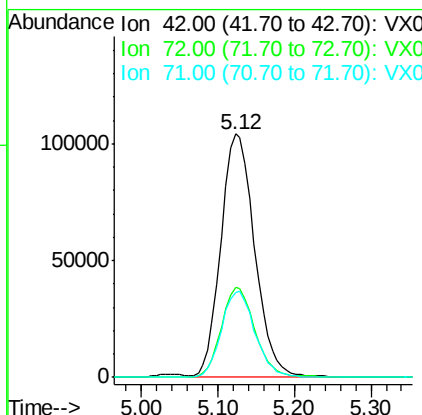
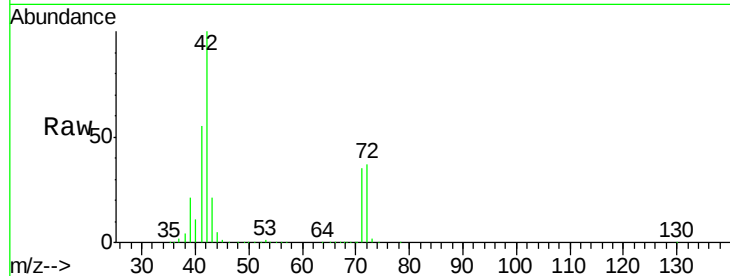
#29
Tetrahydrofuran
Concen: 226.451 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	29.2	43.8
71	35.1	27.6	41.4

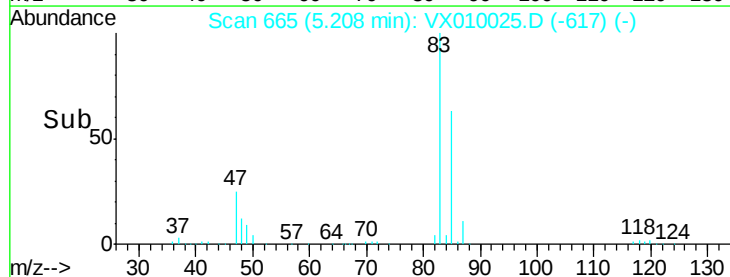
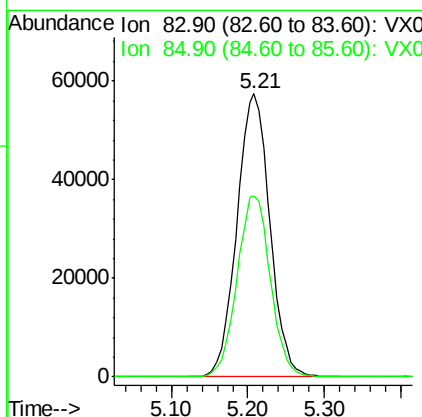
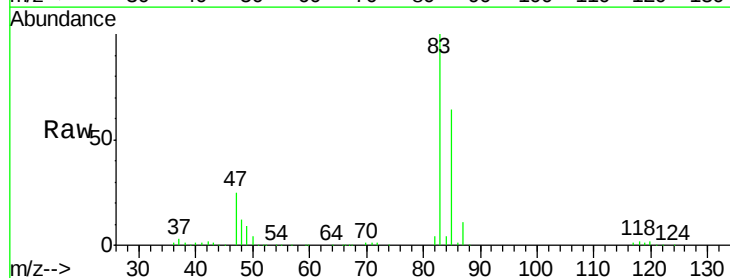
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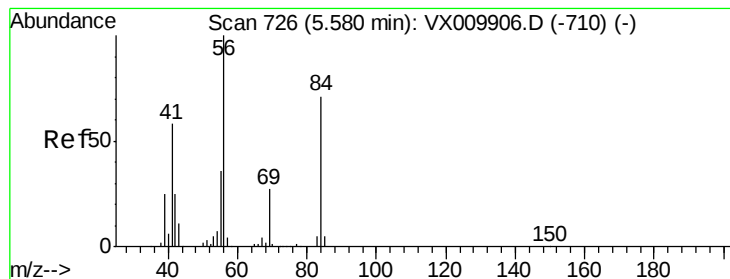
MMDadoda
6/4/2019 11:30:12 AM



#30
Chloroform
Concen: 48.762 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.6	78.8





#31

Cyclohexane

Concen: 50.457 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

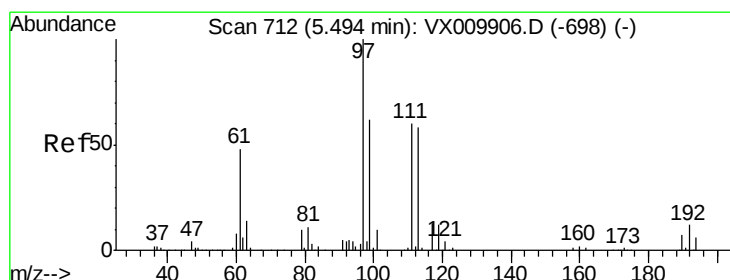
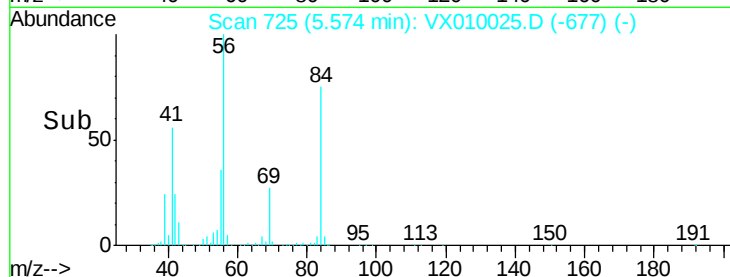
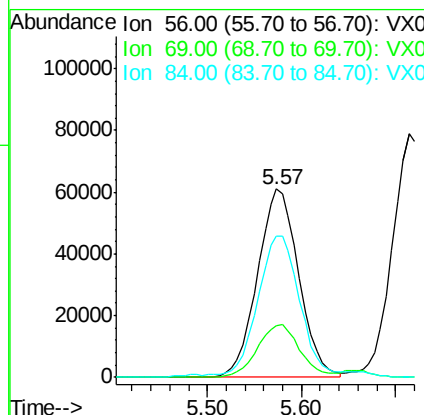
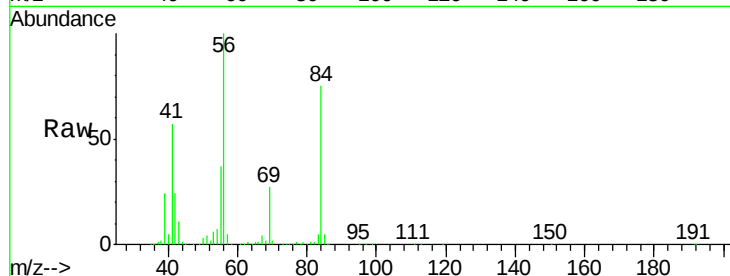
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	186609
Ion	Ratio	Lower	Upper
56	100		
69	27.5	21.6	32.4
84	73.4	56.8	85.2

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#32

1,1,1-Trichloroethane

Concen: 50.982 ug/l

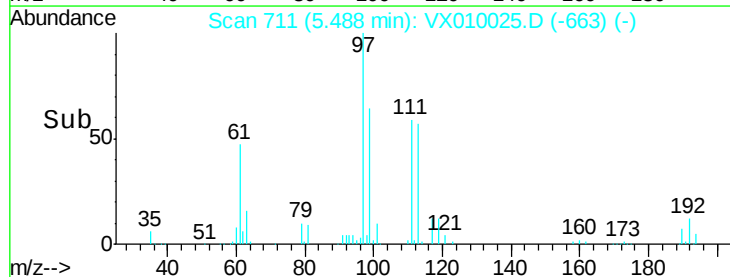
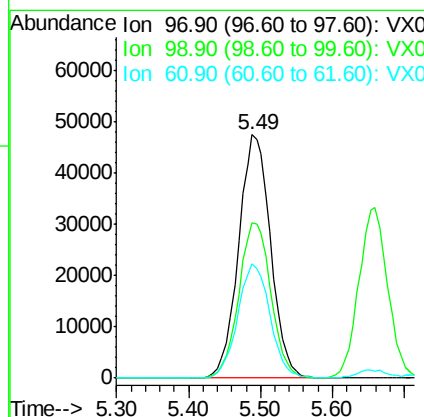
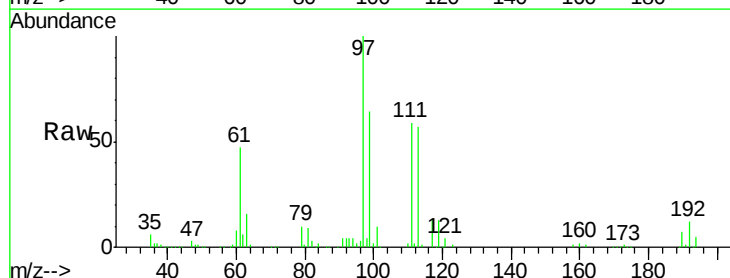
RT: 5.49 min Scan# 711

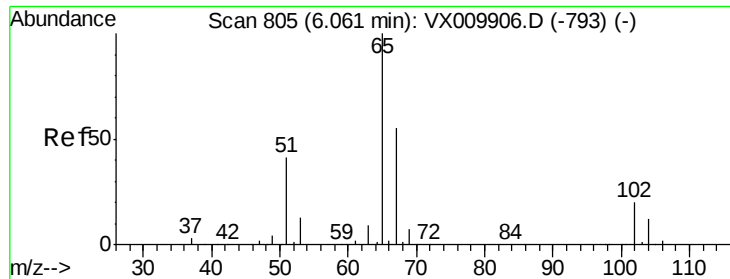
Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Tgt Ion:	97	Resp:	146217
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	47.5	38.7	58.1





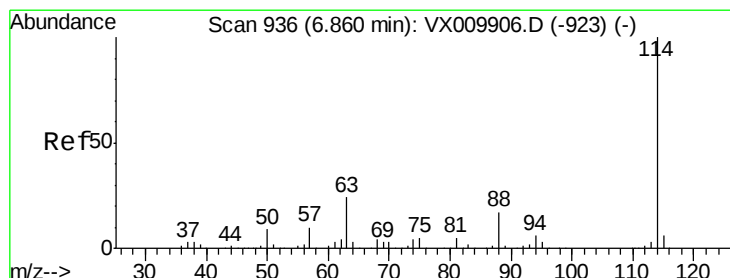
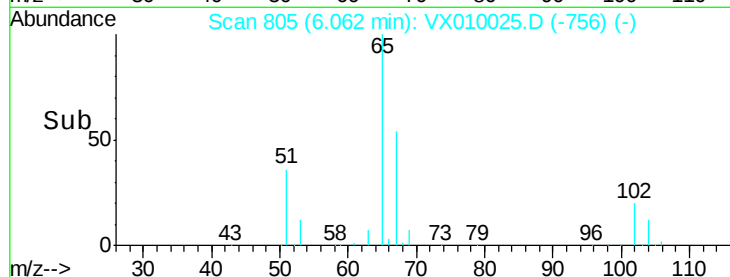
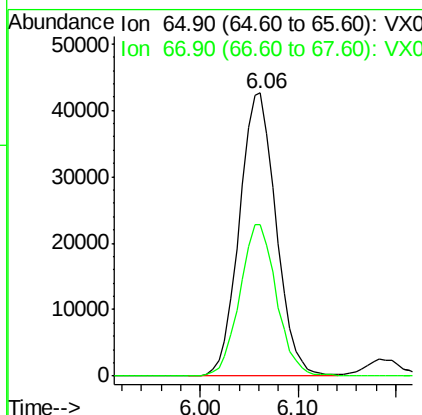
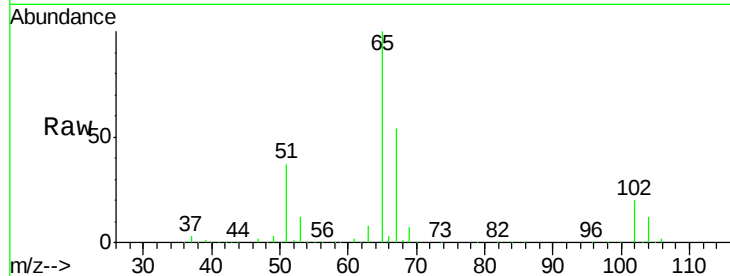
#33
 1,2-Dichloroethane-d4
 Concen: 45.726 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111127		
67	53.7	0.0	108.4	

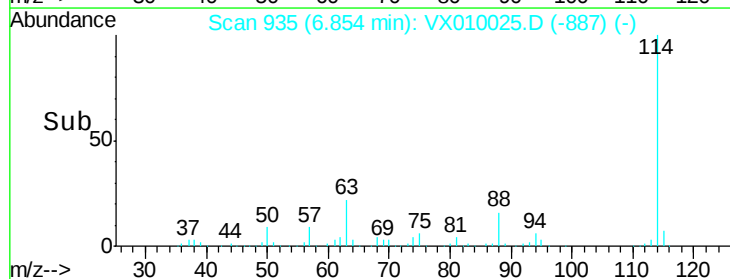
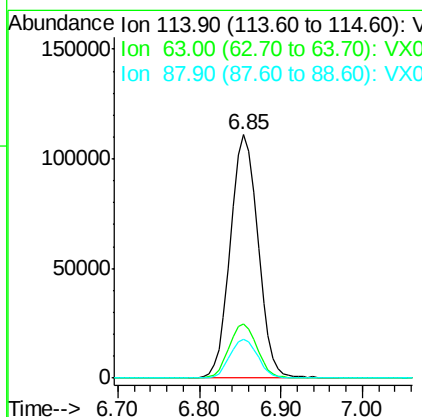
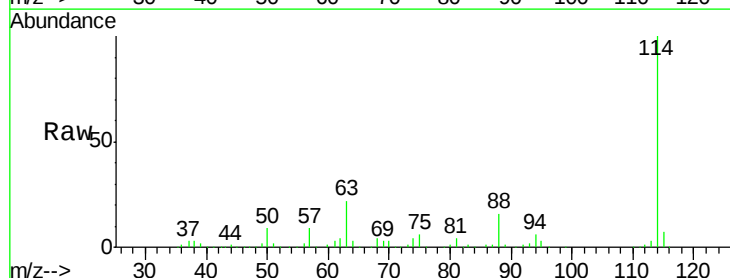
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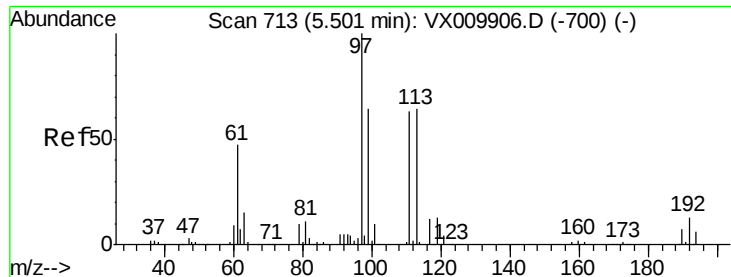
MMDadoda
 6/4/2019 11:30:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	260777		
63	22.3	0.0	47.4	
88	15.8	0.0	33.0	





#35

Dibromofluoromethane

Concen: 50.062 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

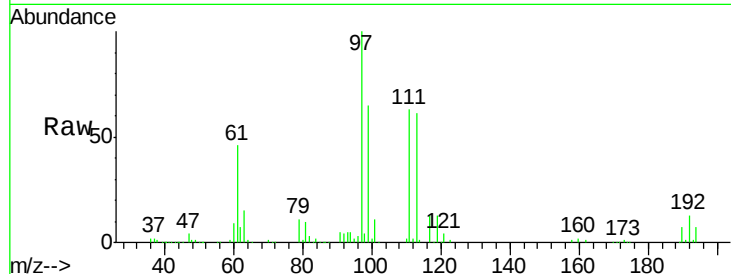
ClientSampleId :

VSTDCCC050

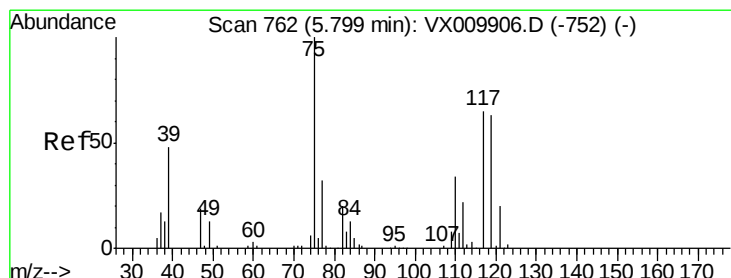
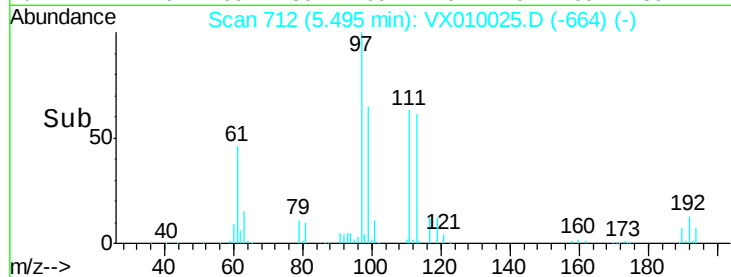
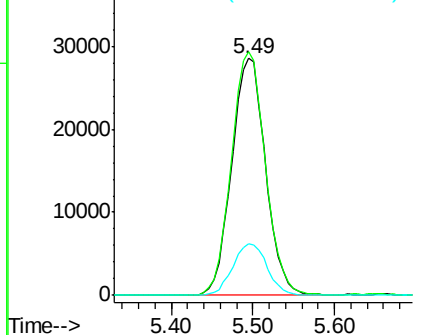
Tot Ion:	113	Resp:	82078
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.2
192	22.1	17.1	25.7

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.439 ug/l

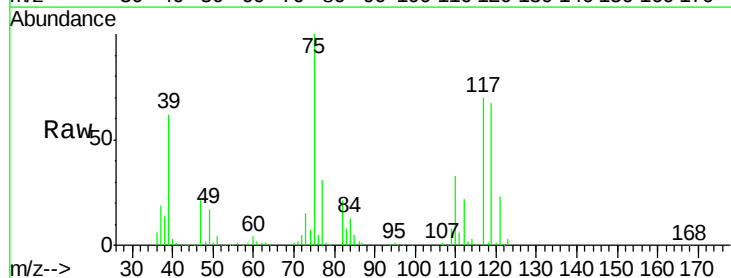
RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

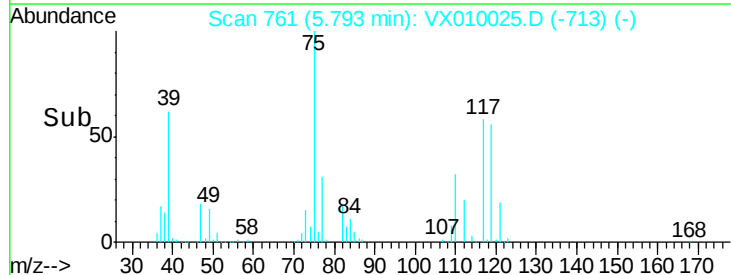
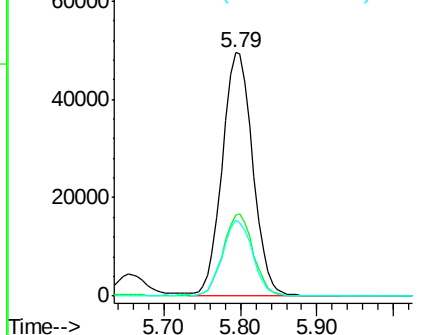
Lab File: VX010025.D

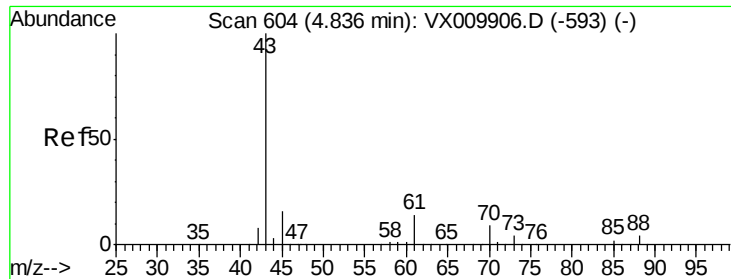
Acq: 03 Jun 2019 10:28

Tgt Ion:	75	Resp:	136103
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.7	50.1
77	30.8	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





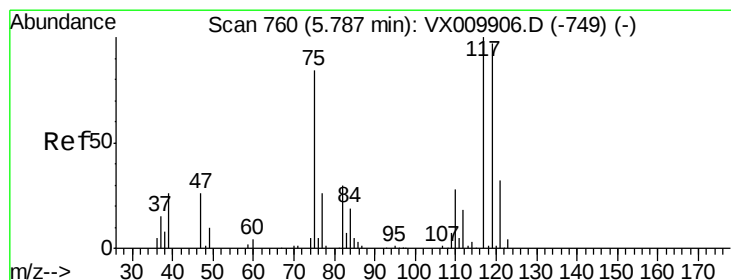
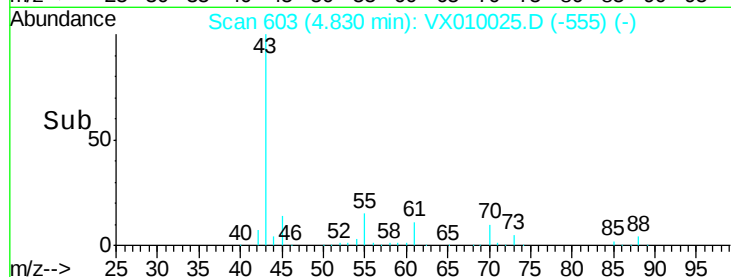
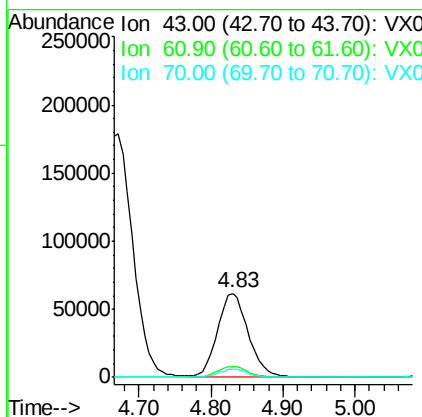
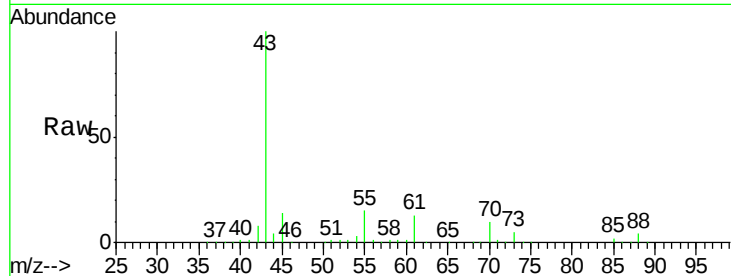
#37
Ethyl Acetate
Concen: 49.521 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	9.3	7.4	11.2

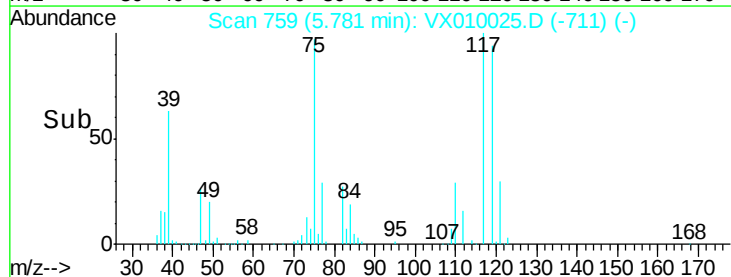
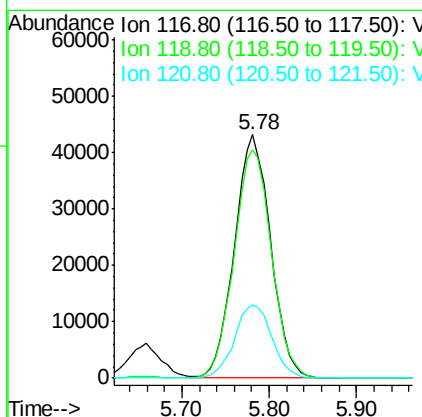
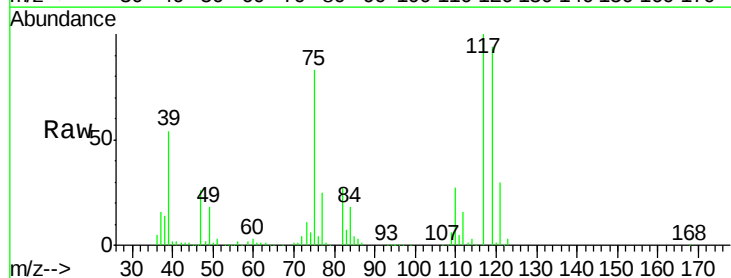
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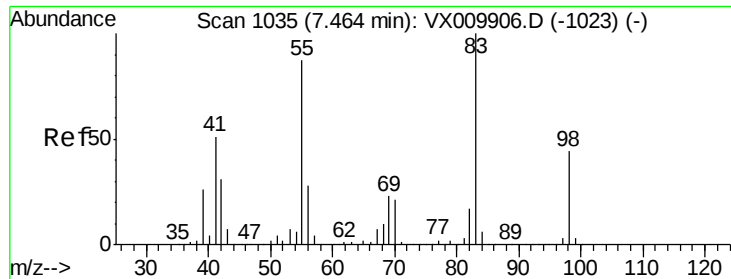
MMDadoda
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#38
Carbon Tetrachloride
Concen: 54.400 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.3	115.9
121	29.9	25.4	38.0





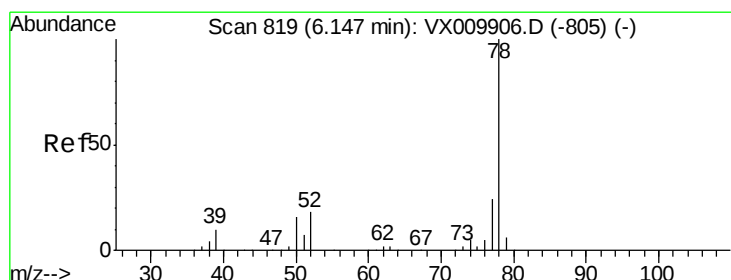
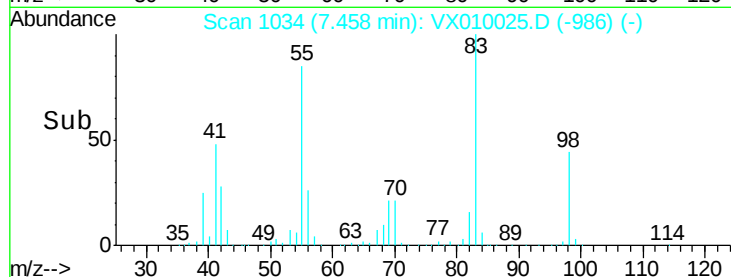
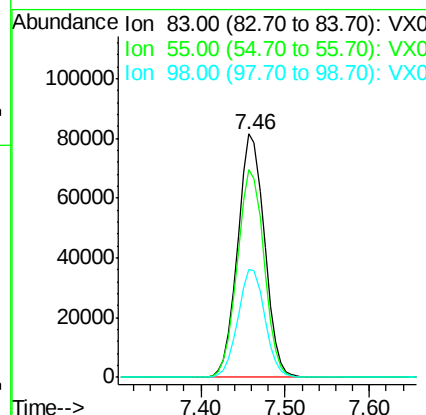
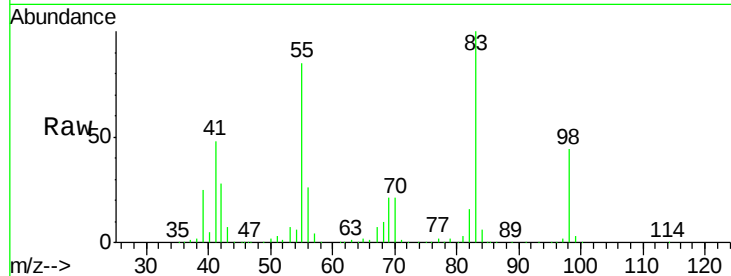
#39
Methvlcvclohexane
Concen: 55.840 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	69.9	104.9
98	44.2	35.1	52.7

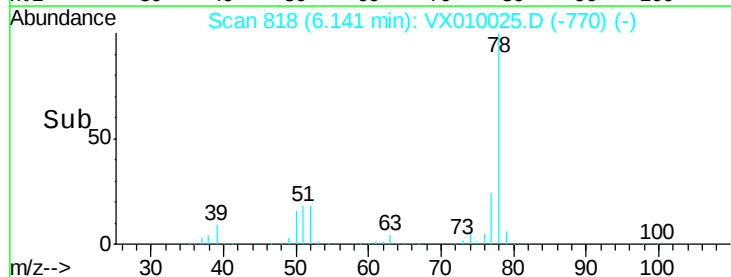
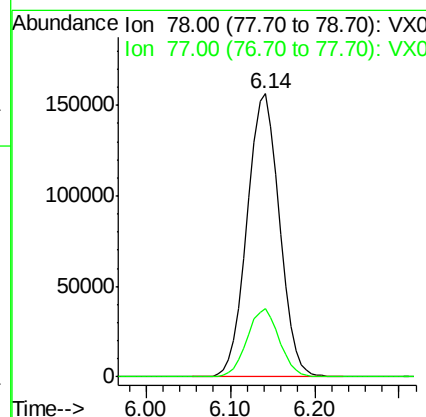
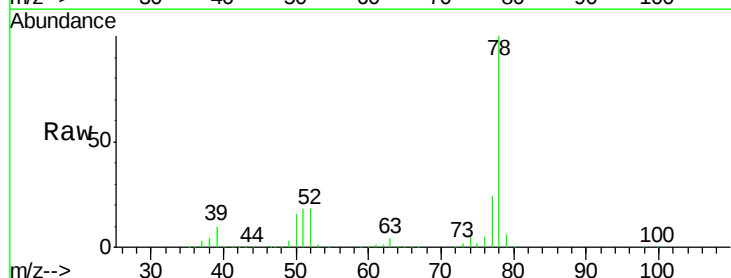
Manual Integrations
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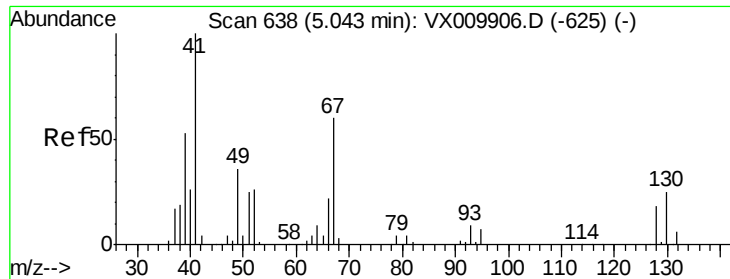
MMDadoda
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#40
Benzene
Concen: 51.881 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





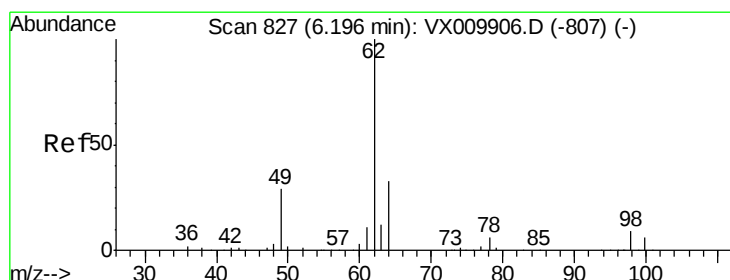
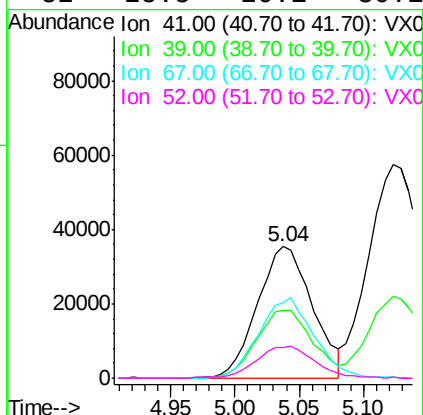
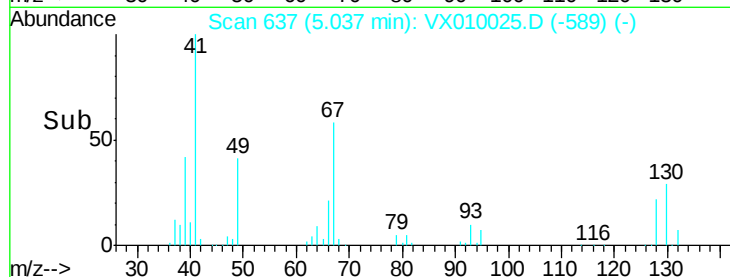
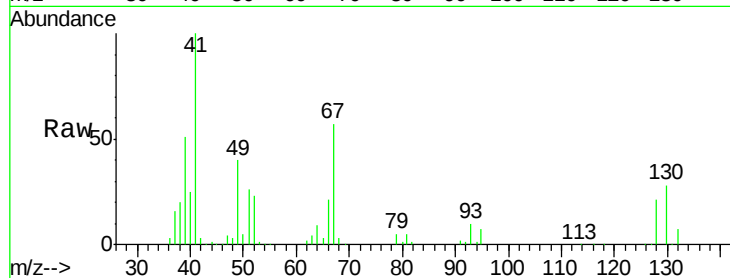
#41
Methacrylonitrile
Concen: 48.553 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	42.2	63.4	
67	61.6	48.9	73.3	
52	25.5	20.1	30.1	

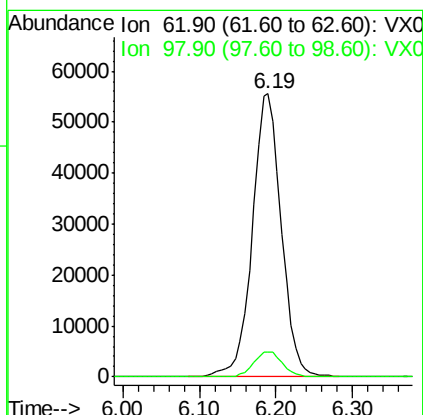
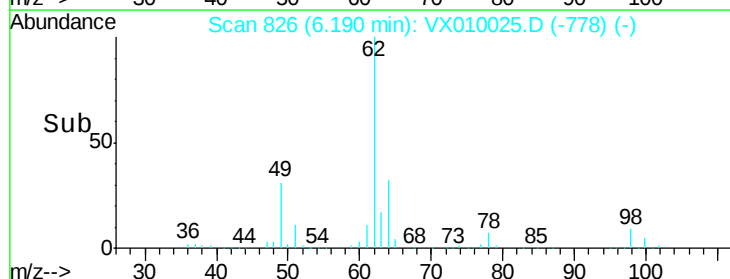
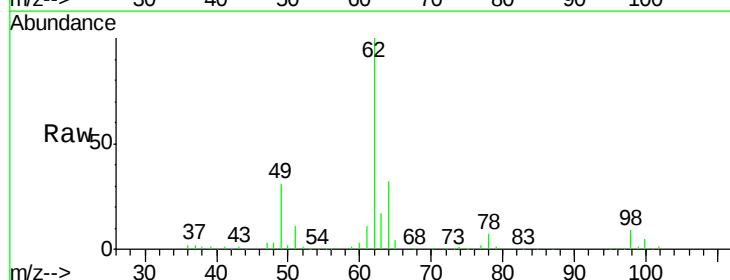
Manual Integrations
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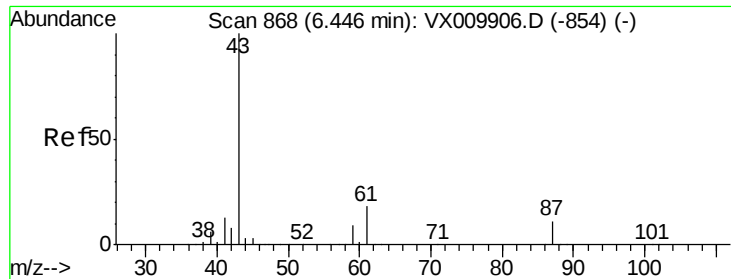
MMDadoda
6/4/2019 11:30:12 AM



#42
1,2-Dichloroethane
Concen: 50.465 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.2	





#43

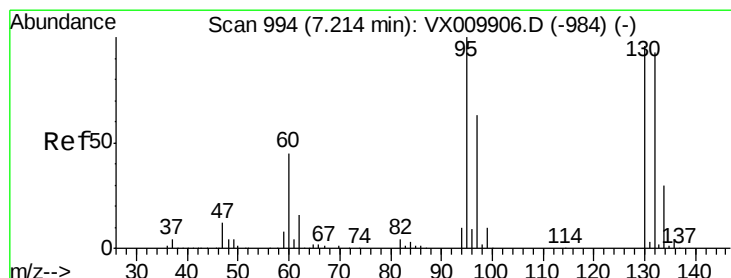
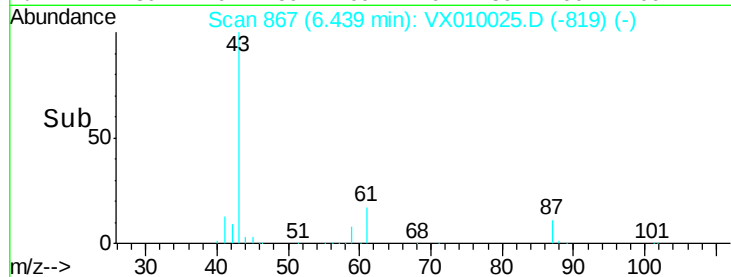
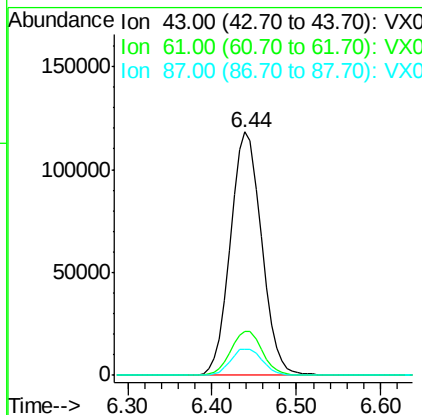
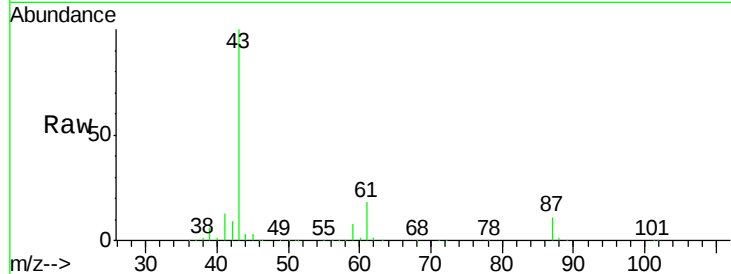
Isopropyl Acetate
 Concen: 49.682 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.6	21.8
87	11.2	8.7	13.1

Manual Integrations
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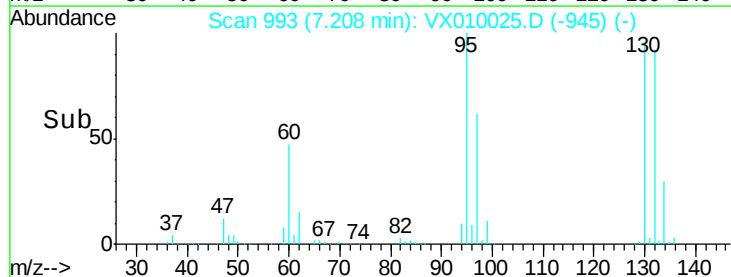
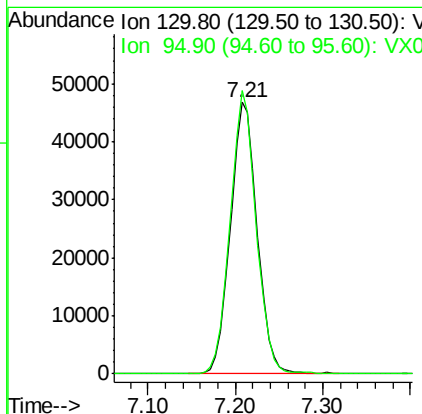
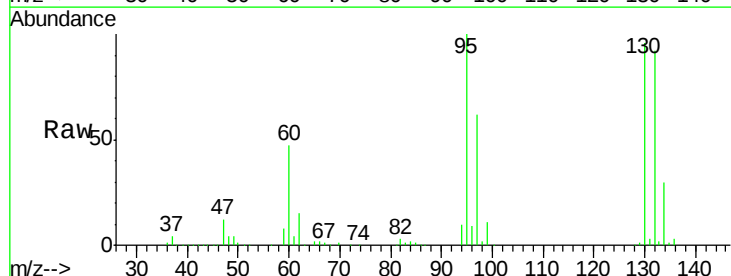
MMDadoda
 6/4/2019 11:30:12 AM

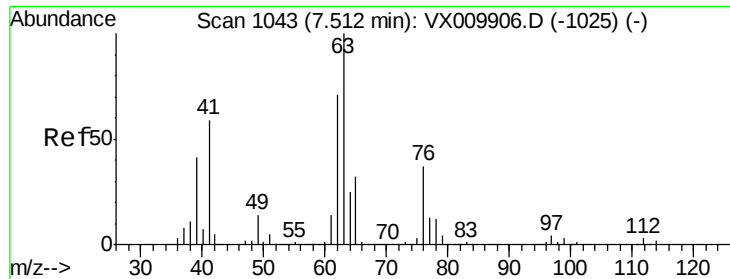


#44

Trichloroethene
 Concen: 52.207 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	207.4





#45

1,2-Dichloropropane

Concen: 51.217 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 115721

Ion Ratio Lower Upper

63 100

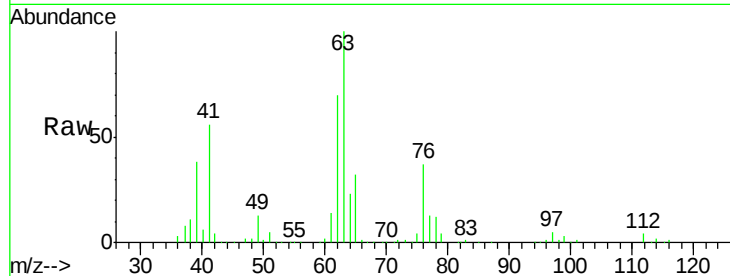
65 32.2 25.7 38.5

Manual Integrations

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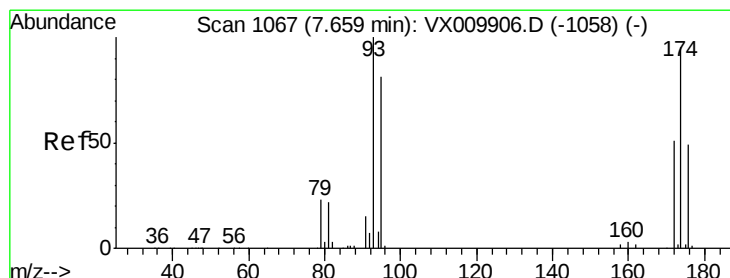
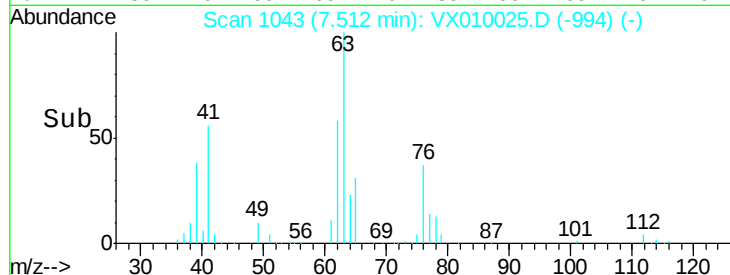
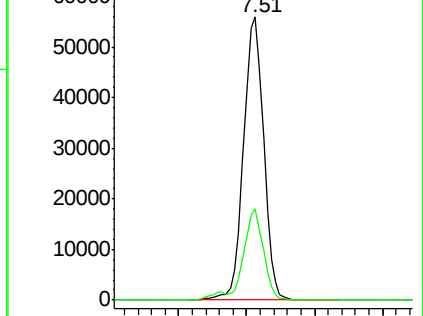
MMDadoda

6/4/2019 11:30:12 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.044 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

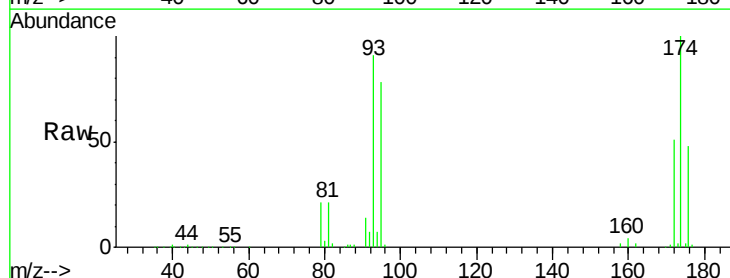
Tgt Ion: 93 Resp: 66557

Ion Ratio Lower Upper

93 100

95 83.6 66.8 100.2

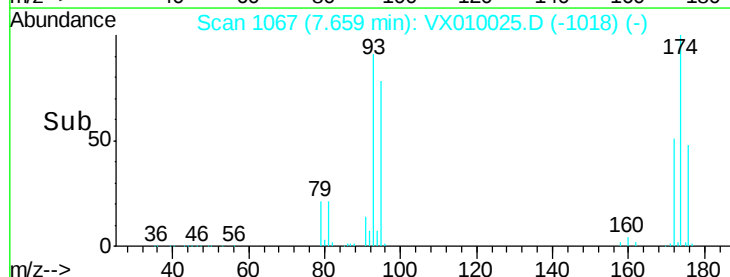
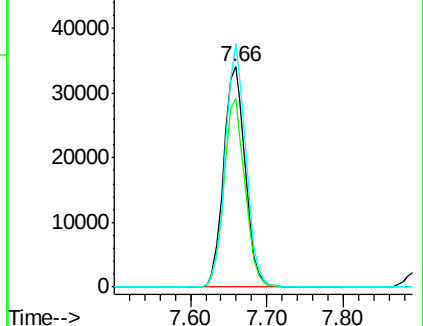
174 104.5 81.9 122.9

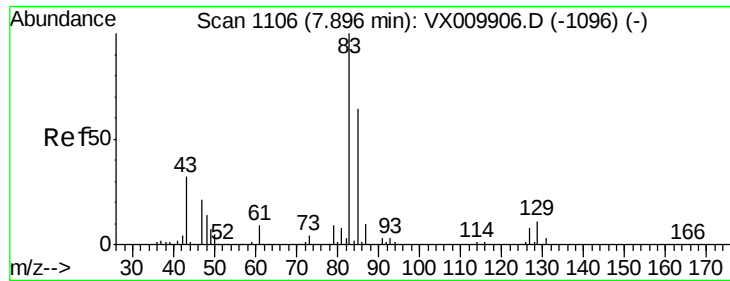


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.506 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

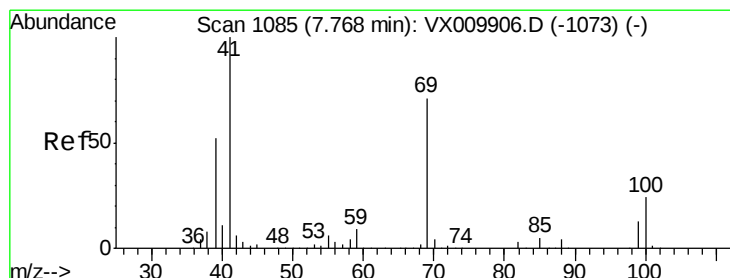
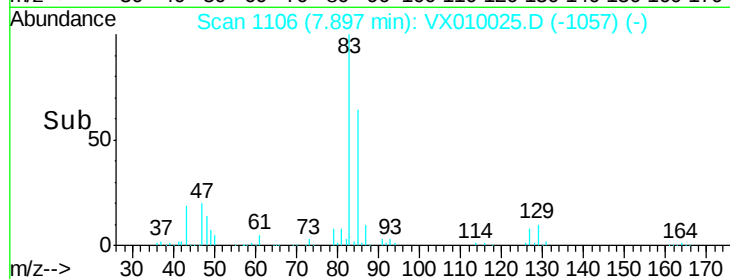
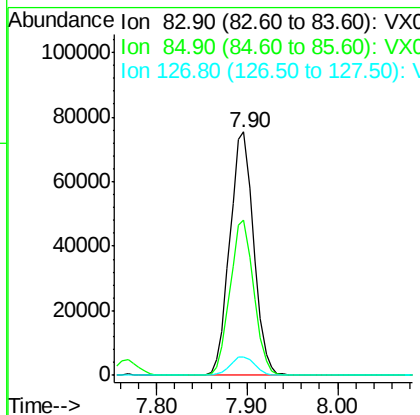
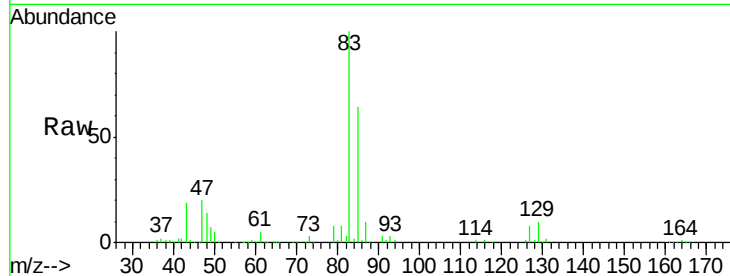
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	137850
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.2
127	7.6	6.4	9.6

Manual Integrations
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MMDadoda
6/4/2019 11:30:12 AM



#48

Methyl methacrylate

Concen: 51.029 ug/l

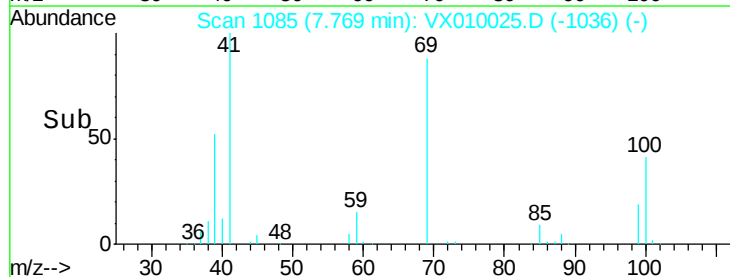
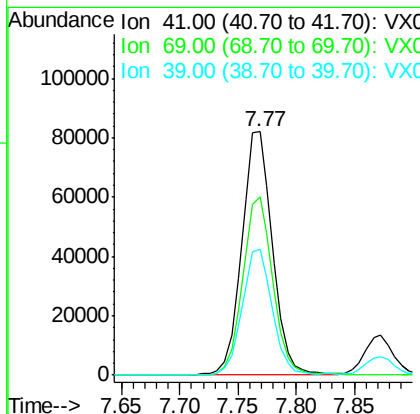
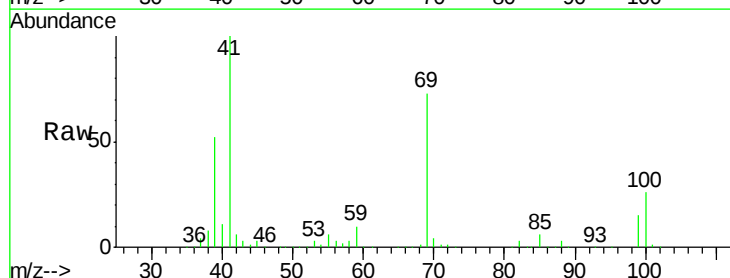
RT: 7.77 min Scan# 1085

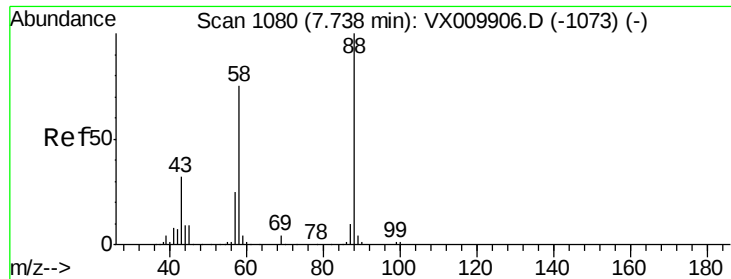
Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Tgt Ion:	41	Resp:	150271
Ion	Ratio	Lower	Upper
41	100		
69	72.2	56.4	84.6
39	51.1	40.6	60.8





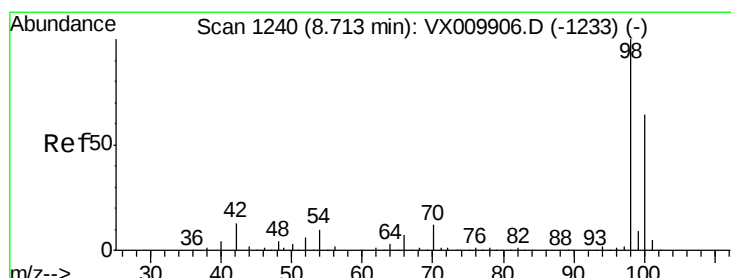
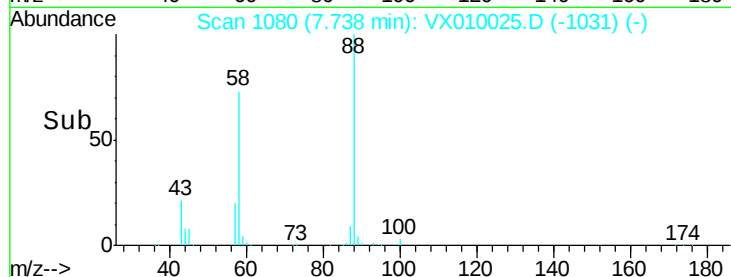
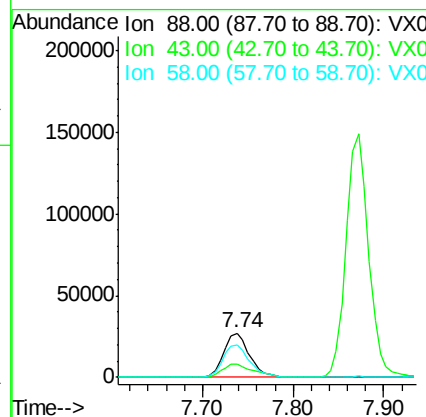
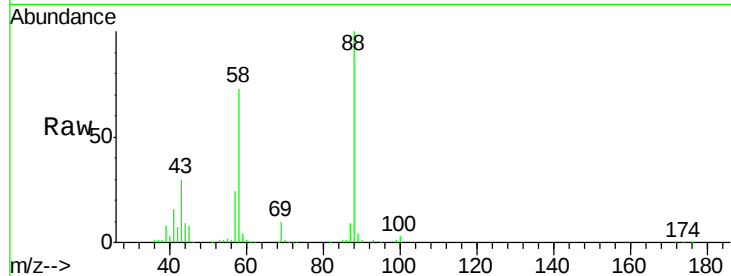
#49
1,4-Dioxane
Concen: 973.144 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	30.2	45.4
58	78.3	64.0	96.0

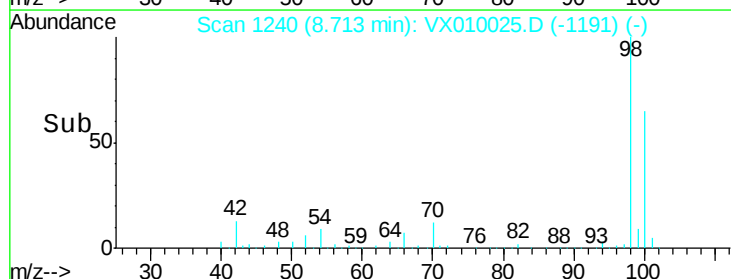
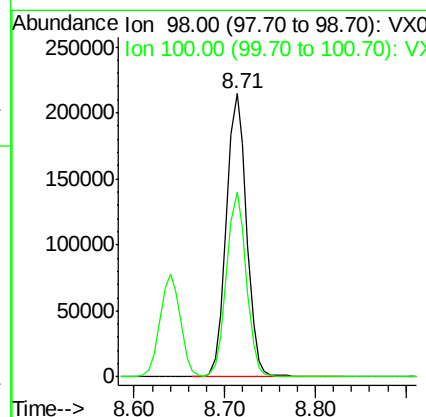
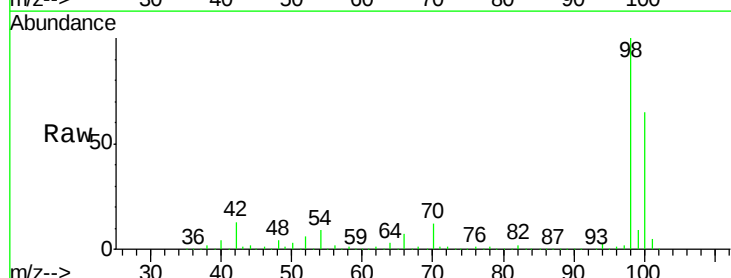
Manual Integrations
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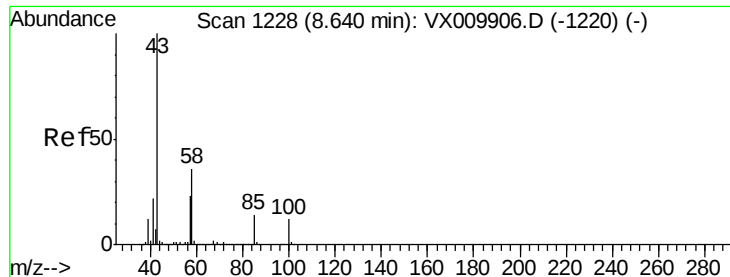
MMDadoda
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#50
Toluene-d8
Concen: 50.285 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





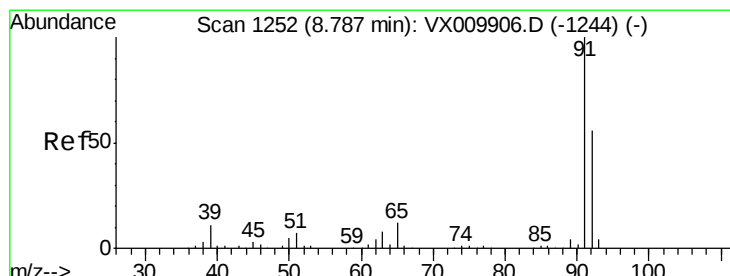
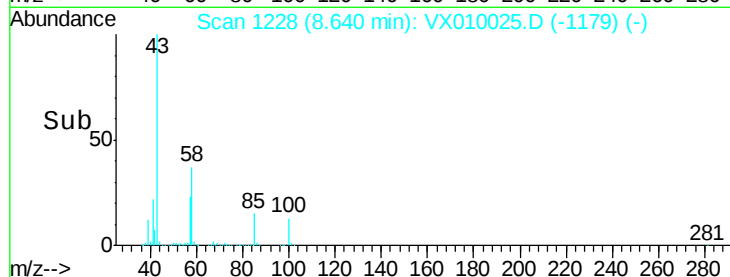
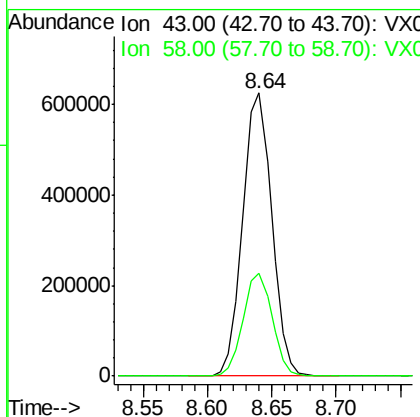
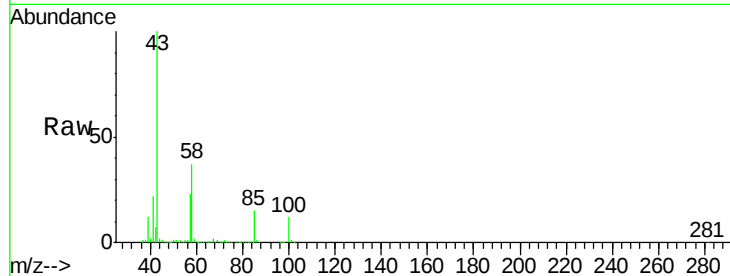
#51
4-Methyl-2-Pentanone
Concen: 252.408 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	976738
Ion Ratio	100	Lower	Upper
43	100		
58	36.2	28.8	43.2

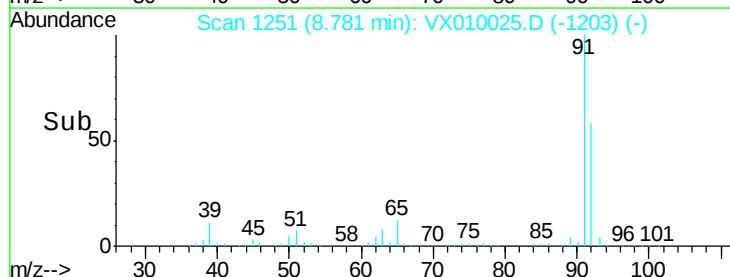
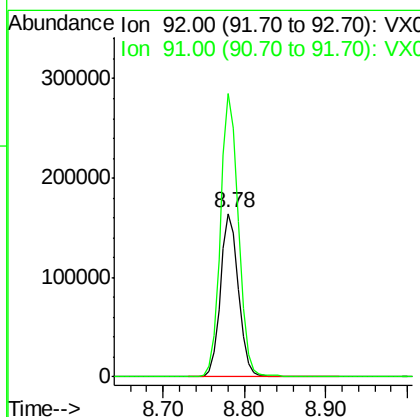
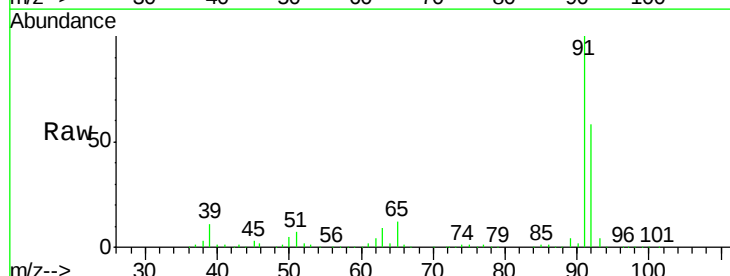
Manual Integrations
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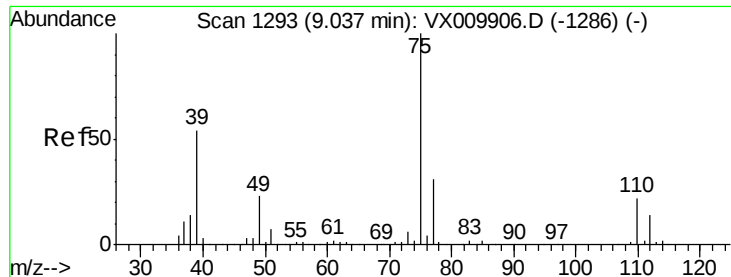
MMDadoda
6/4/2019 11:30:12 AM



#52
Toluene
Concen: 53.186 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	92	Resp	253459
Ion Ratio	100	Lower	Upper
92	100		
91	173.1	139.9	209.9





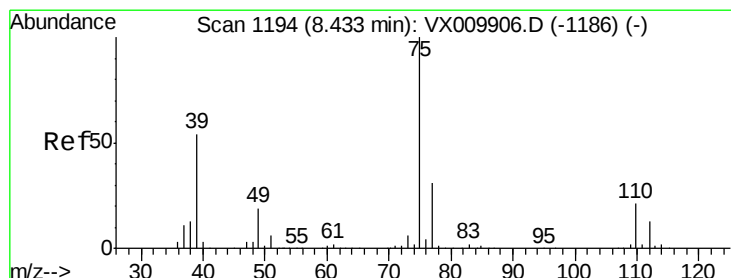
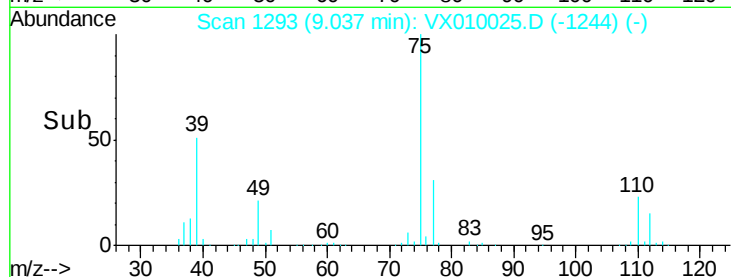
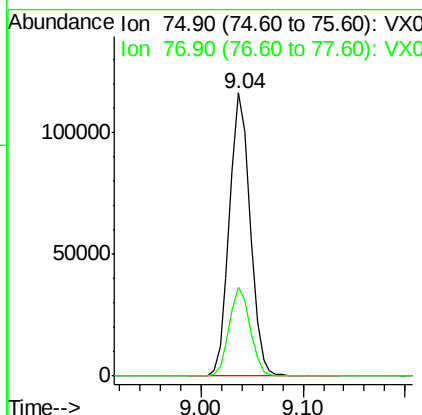
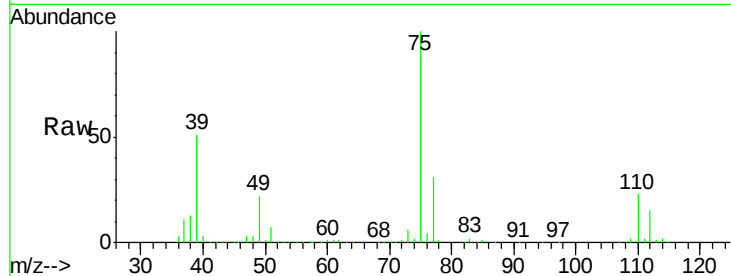
#53
t-1,3-Dichloropropene
Concen: 53.842 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	163308		
77	31.3	24.6	36.8	

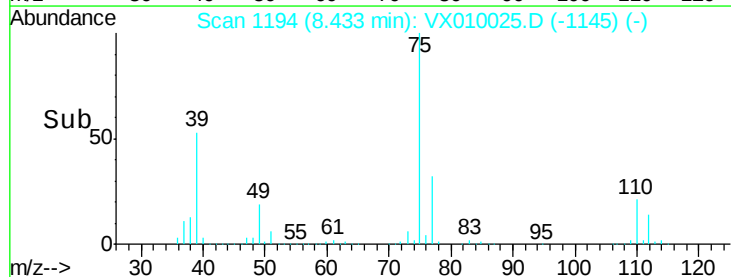
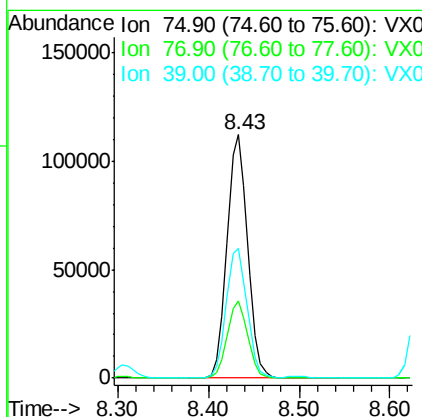
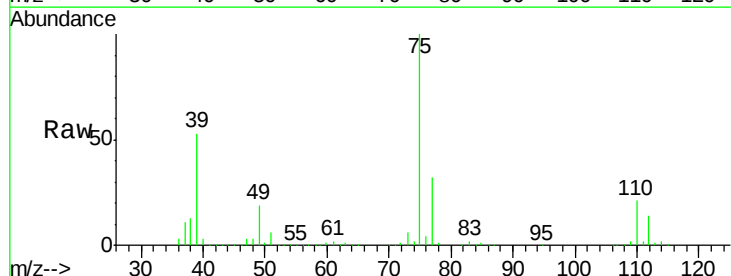
Manual Integrations
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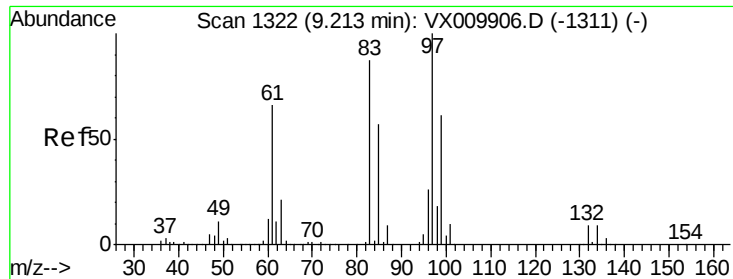
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6/4/2019 11:30:12 AM



#54
cis-1,3-Dichloropropene
Concen: 53.658 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	177325		
77	31.6	24.8	37.2	
39	53.4	43.4	65.0	





#55

1,1,2-Trichloroethane

Concen: 52.016 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 99771

Ion Ratio Lower Upper

97 100

83 88.1 69.8 104.8

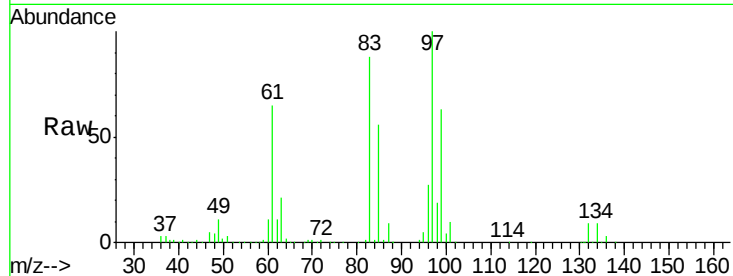
85 56.0 45.3 67.9

99 63.2 49.0 73.4

Manual Integrations
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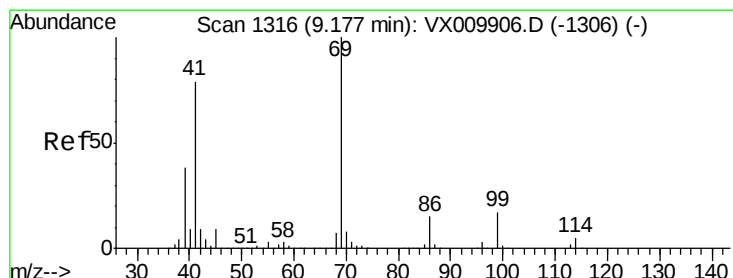
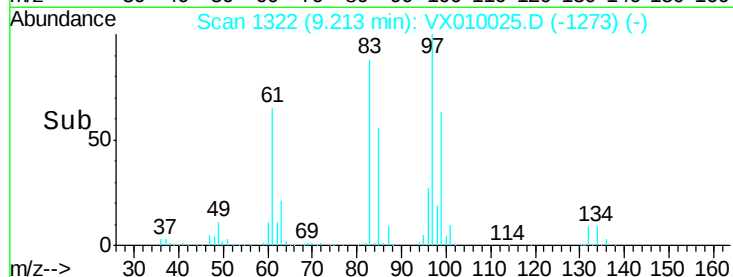
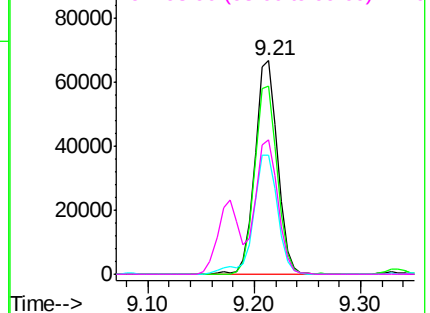
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 54.782 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

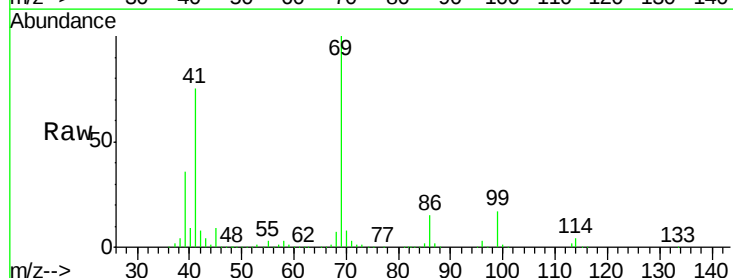
Tgt Ion: 69 Resp: 187067

Ion Ratio Lower Upper

69 100

41 76.4 62.7 94.1

39 36.4 29.5 44.3

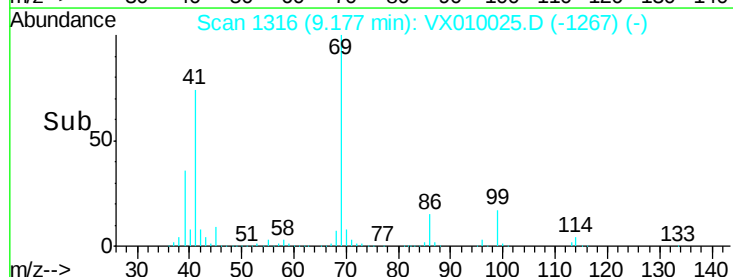
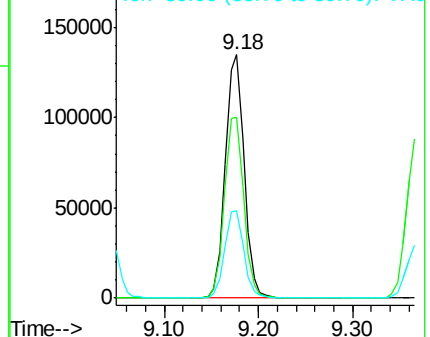


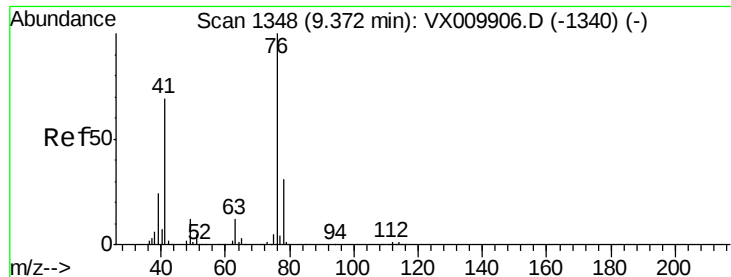
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.133 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 176136

Ion Ratio Lower Upper

76 100

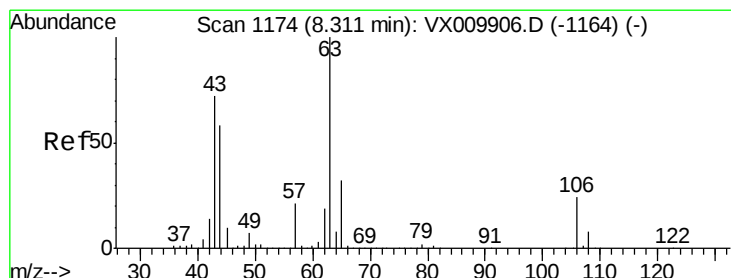
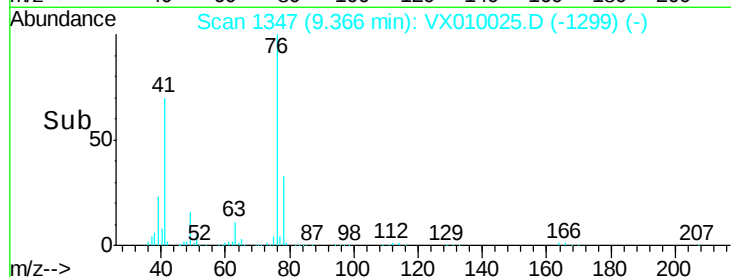
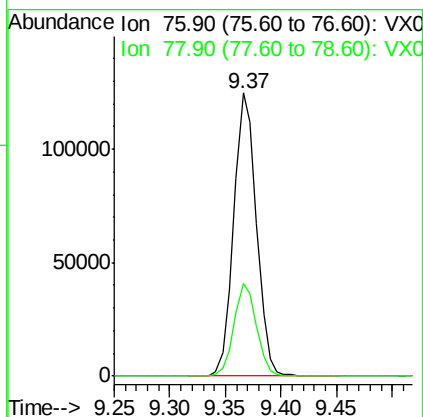
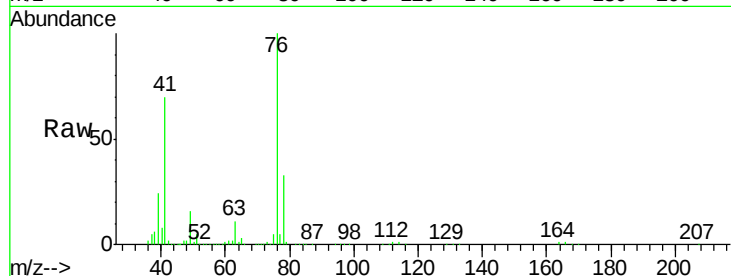
78 32.5 25.4 38.0

Manual Integrations

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MMDadoda

6/4/2019 11:30:12 AM



#58

2-Chloroethyl Vinyl ether

Concen: 256.141 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010025.D

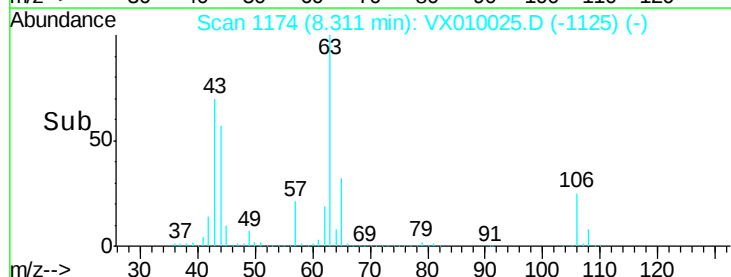
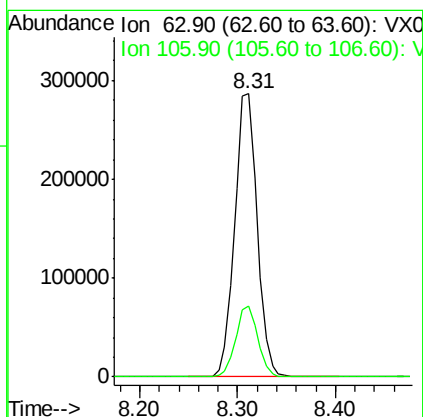
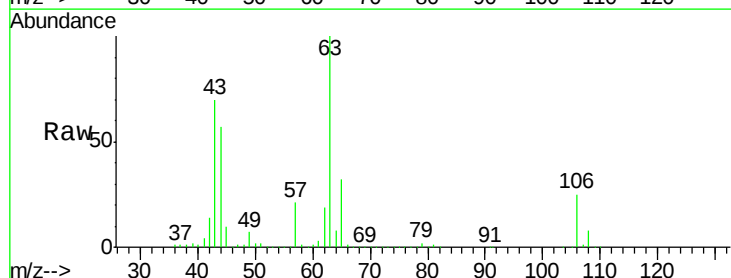
Acq: 03 Jun 2019 10:28

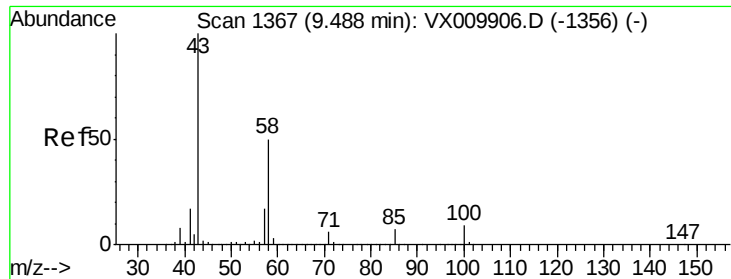
Tgt Ion: 63 Resp: 458652

Ion Ratio Lower Upper

63 100

106 24.7 19.4 29.2





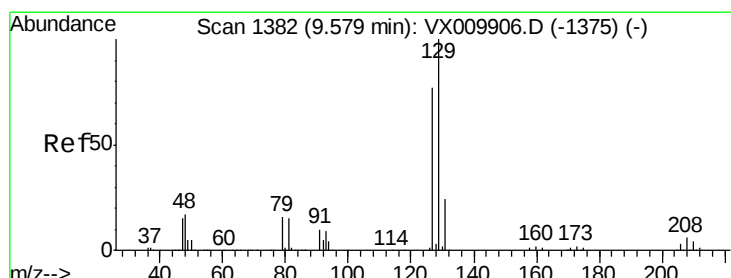
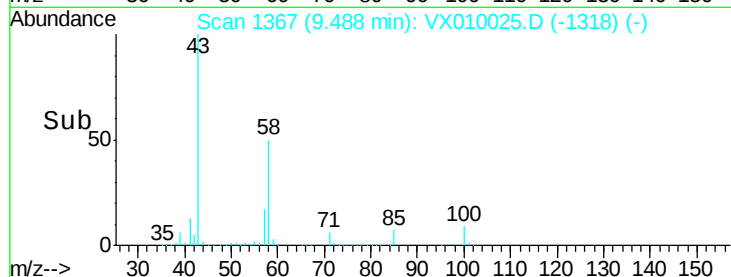
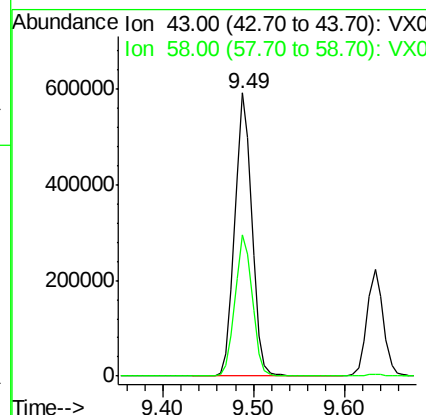
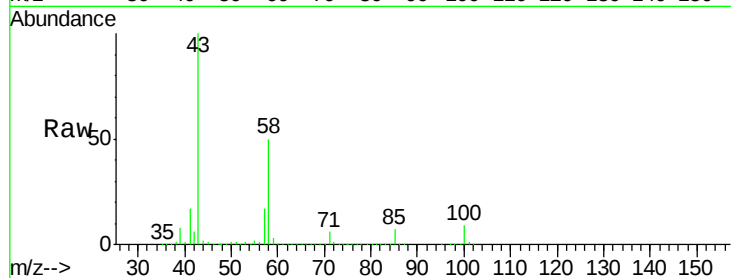
#59
2-Hexanone
Concen: 261.064 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 777783
Ion Ratio Lower Upper
43 100
58 50.5 25.1 75.3

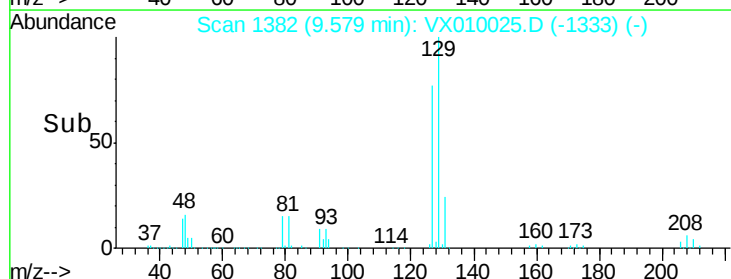
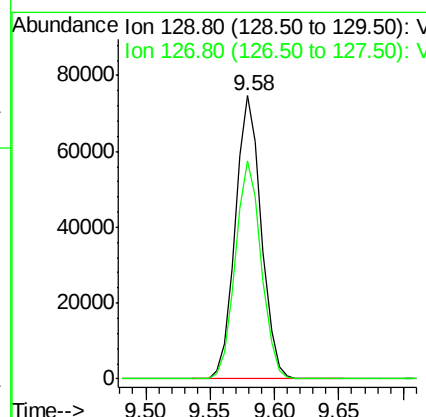
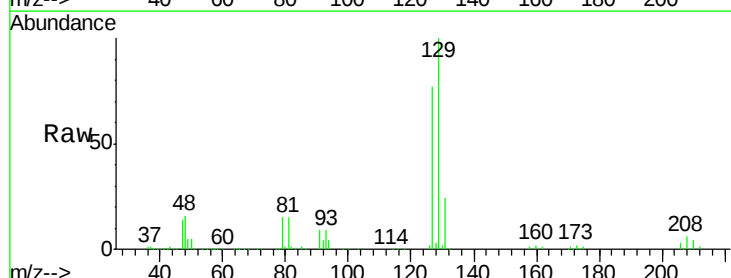
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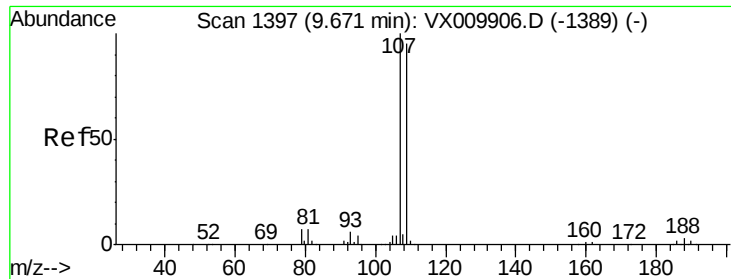
MMDadoda
6/4/2019 11:30:12 AM



#60
Dibromochloromethane
Concen: 55.858 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion: 129 Resp: 105393
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.361 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 103179

Ion Ratio Lower Upper

107 100

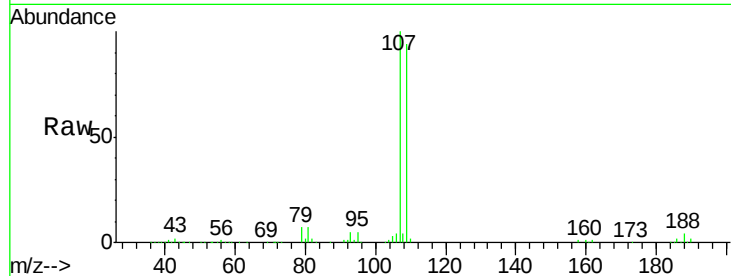
109 94.4 75.4 113.2

Manual Integrations

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MMDadoda

6/4/2019 11:30:12 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

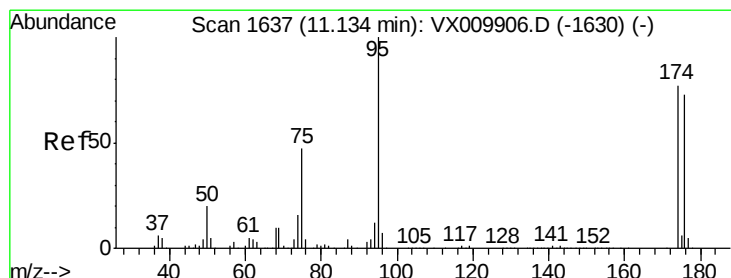
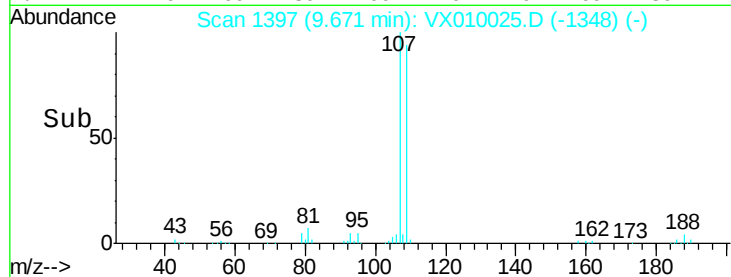
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.372 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

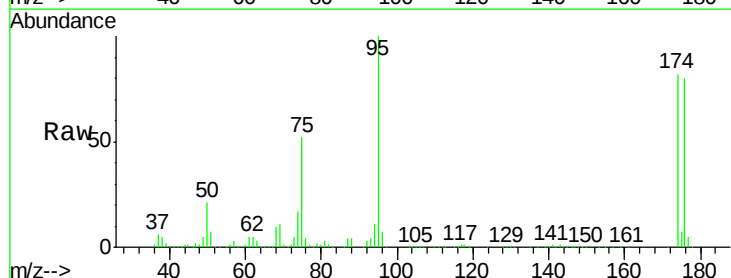
Tgt Ion: 95 Resp: 125238

Ion Ratio Lower Upper

95 100

174 83.9 0.0 160.4

176 82.2 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

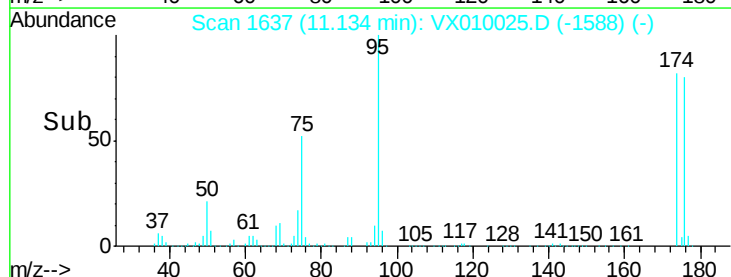
11.13

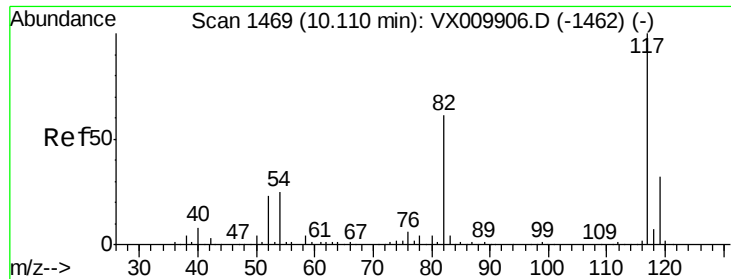
100000

50000

0

Time-->





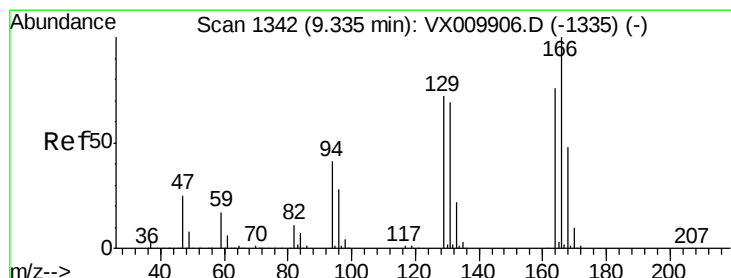
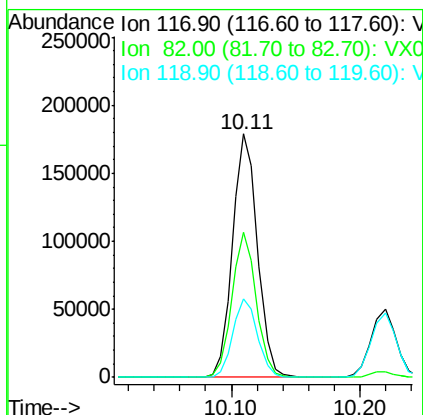
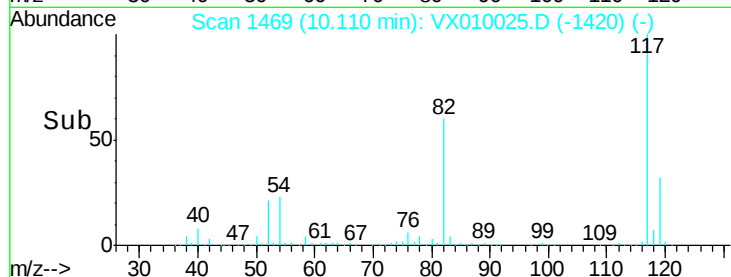
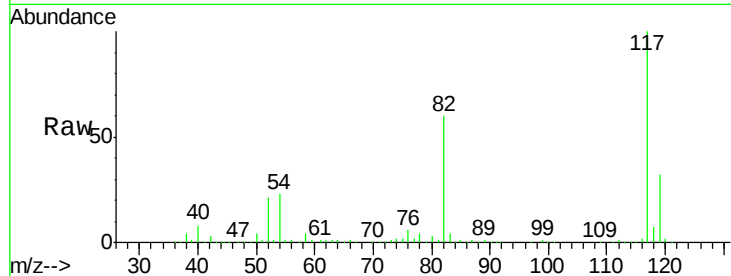
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	49.2	73.8
119	32.0	25.2	37.8

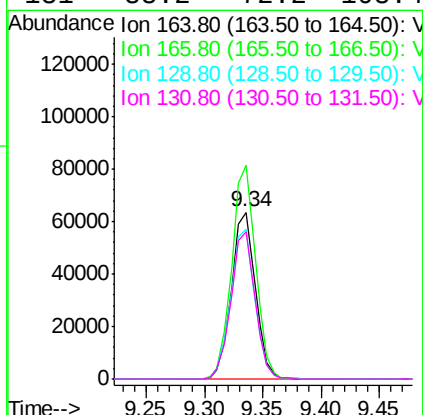
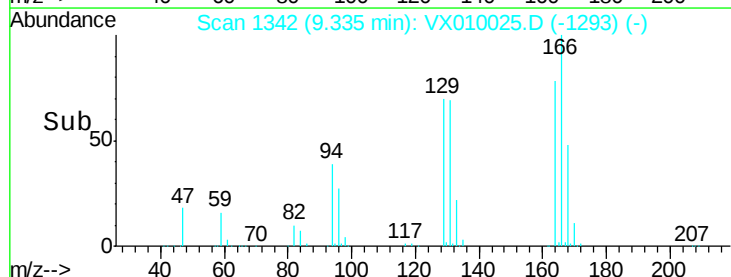
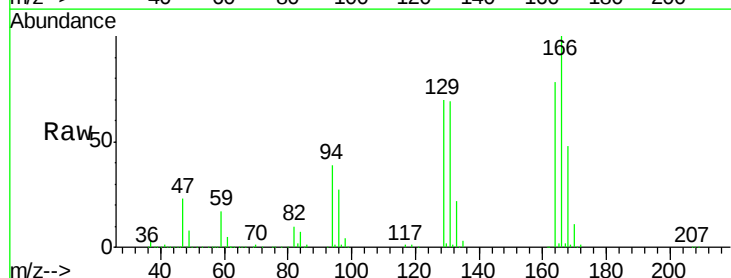
Manual Integrations
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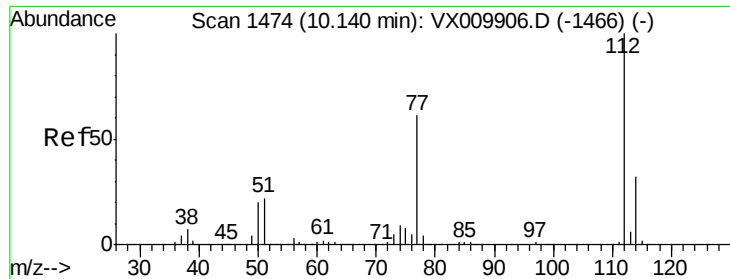
MMDadoda
6/4/2019 11:30:12 AM



#64
Tetrachloroethene
Concen: 54.483 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	105.0	157.4
129	90.0	75.1	112.7
131	88.2	72.2	108.4





#65

Chlorobenzene

Concen: 52.289 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 264414

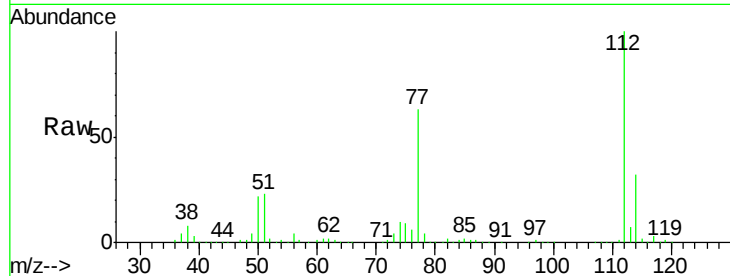
Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.8

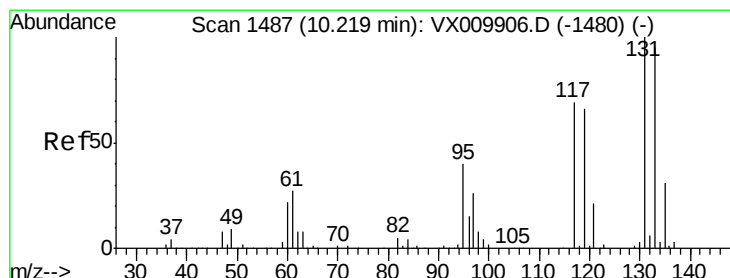
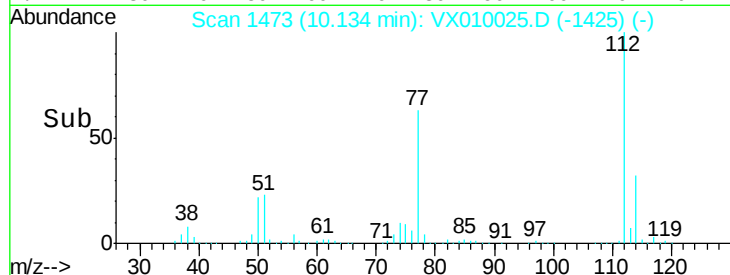
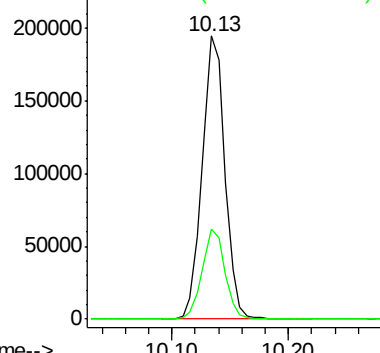
Manual Integrations
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MMDadoda
6/4/2019 11:30:12 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.383 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

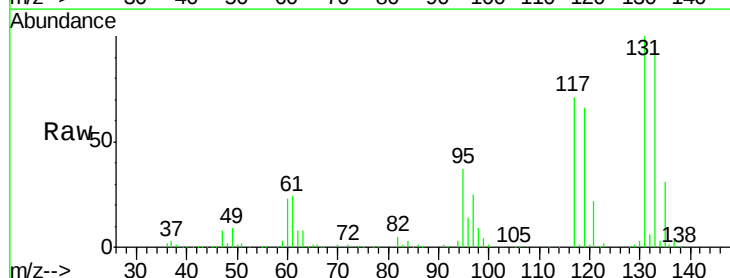
Tgt Ion:131 Resp: 95381

Ion Ratio Lower Upper

131 100

133 96.9 47.5 142.6

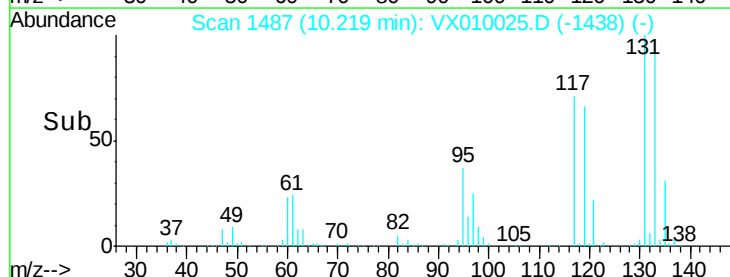
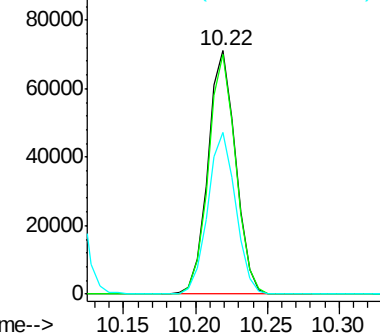
119 66.9 33.4 100.1

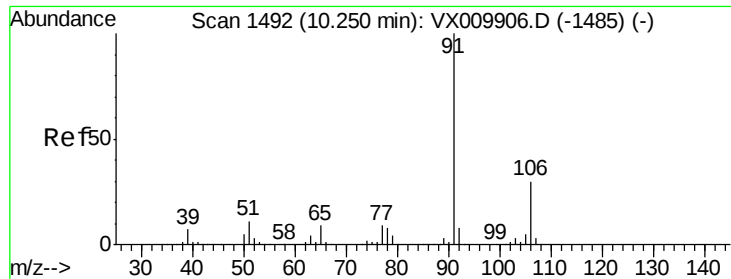


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





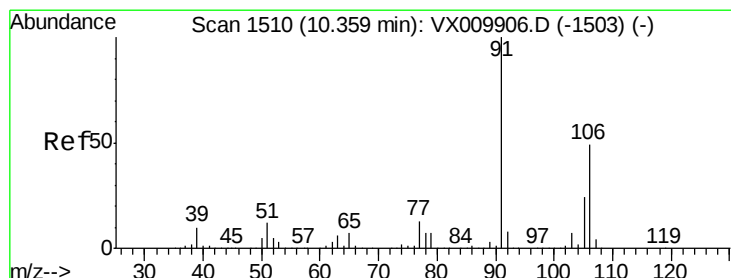
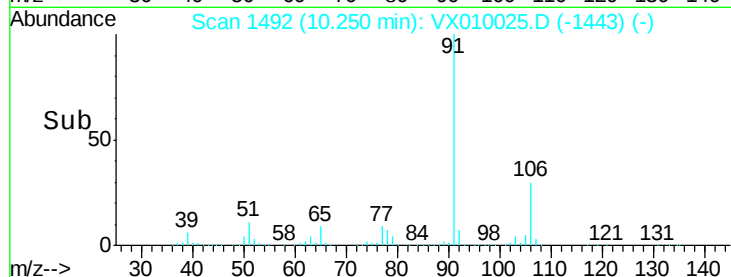
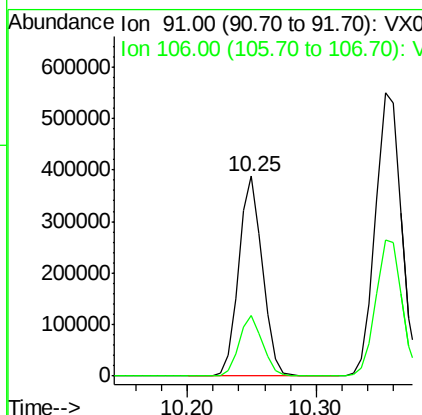
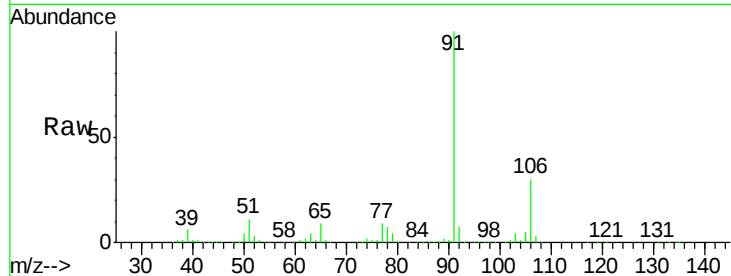
#67
Ethyl Benzene
Concen: 54.472 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 494575
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9

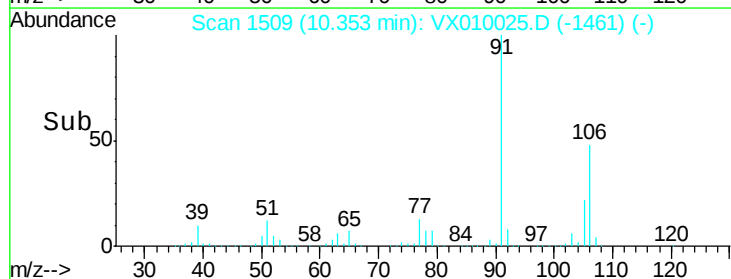
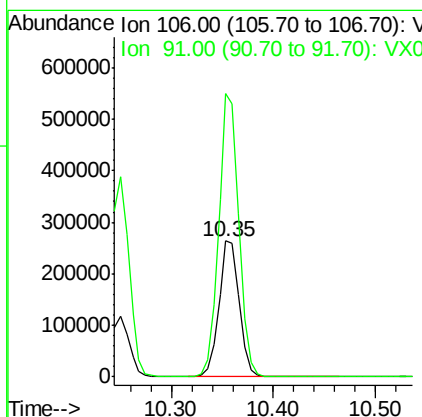
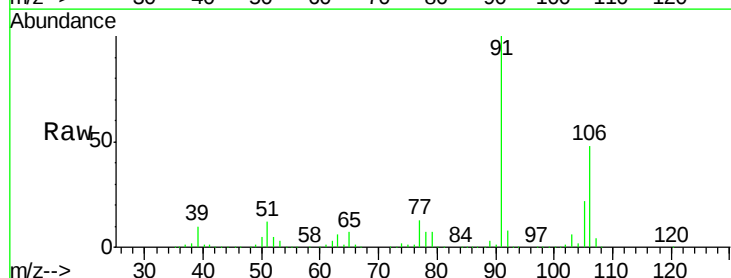
Manual Integrations
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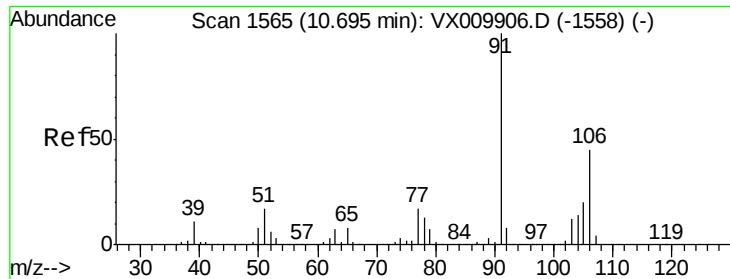
MMDadoda
6/4/2019 11:30:12 AM



#68
m/p-Xylenes
Concen: 109.381 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion: 106 Resp: 366895
Ion Ratio Lower Upper
106 100
91 206.3 167.3 250.9





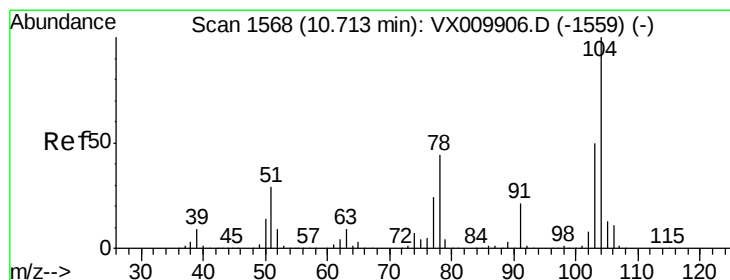
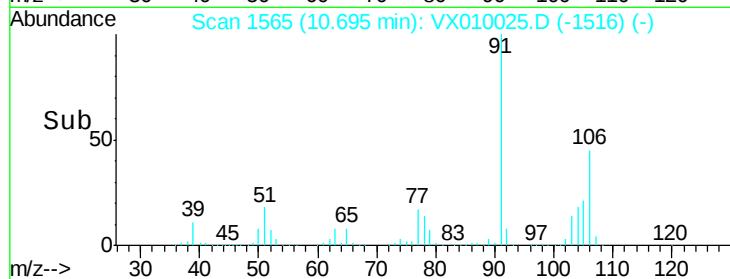
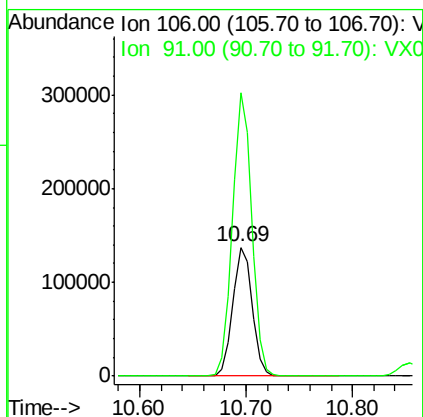
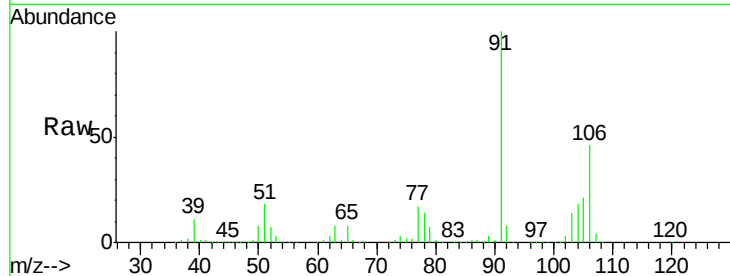
#69
o-Xylene
Concen: 55.016 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 176982
Ion Ratio Lower Upper
106 100
91 217.7 110.4 331.2

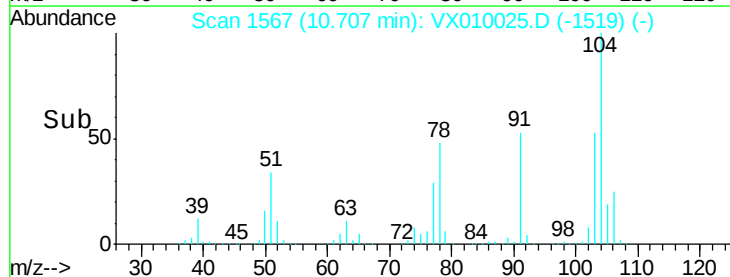
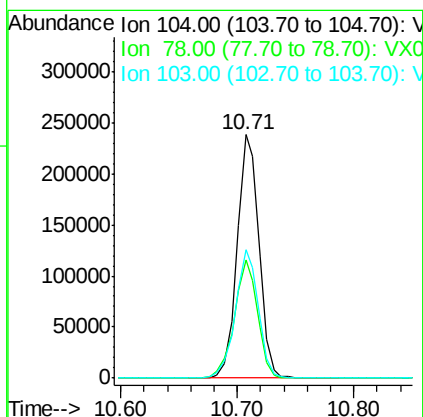
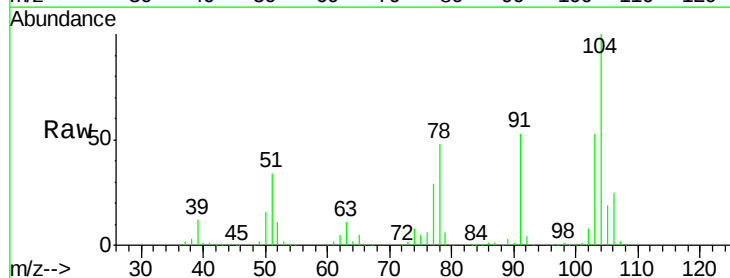
Manual Integrations
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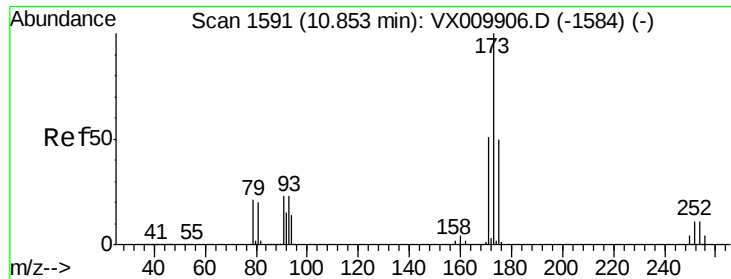
MMDadoda
6/4/2019 11:30:12 AM



#70
Styrene
Concen: 54.962 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion:104 Resp: 310035
Ion Ratio Lower Upper
104 100
78 51.6 42.1 63.1
103 55.5 44.1 66.1





#71

Bromoform

Concen: 58.410 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 83739

Ion Ratio Lower Upper

173 100

175 48.3 25.0 75.0

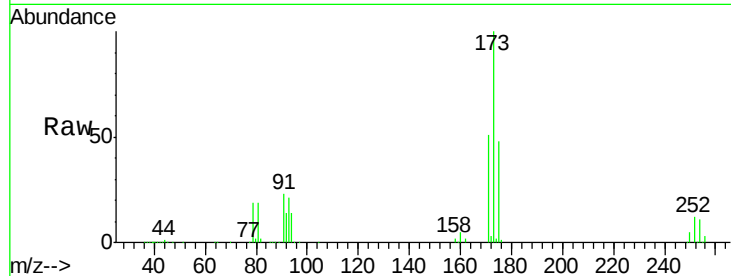
254 0.3 0.2 0.2#

Manual Integrations

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MMDadoda

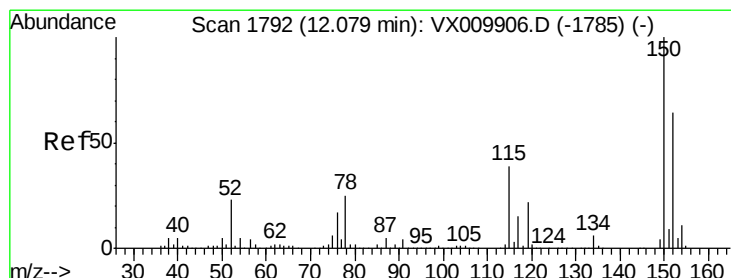
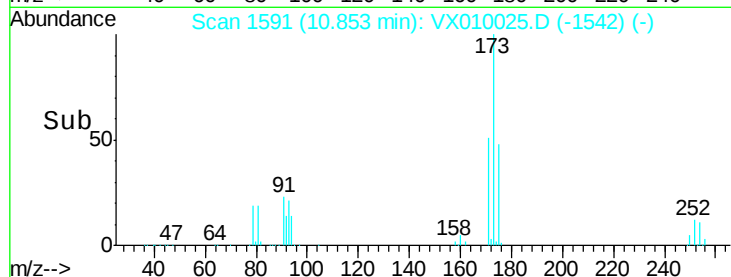
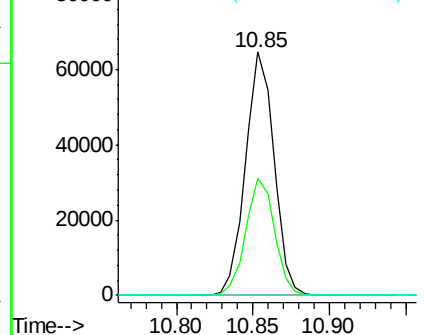
6/4/2019 11:30:12 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

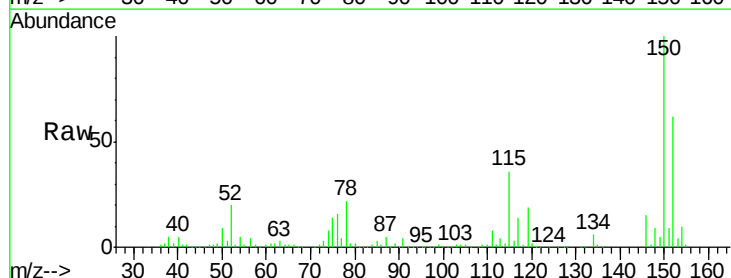
Tgt Ion:152 Resp: 123338

Ion Ratio Lower Upper

152 100

115 83.7 41.4 124.2

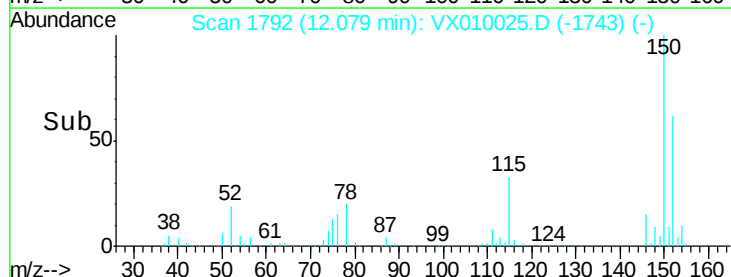
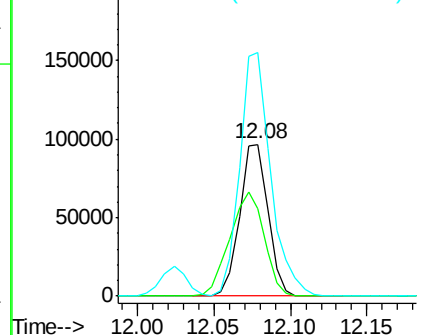
150 175.7 0.0 345.2

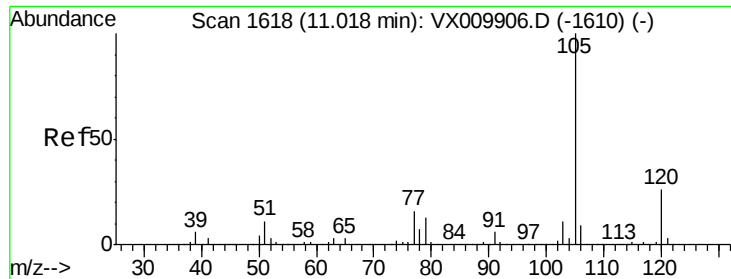


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.384 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 476701

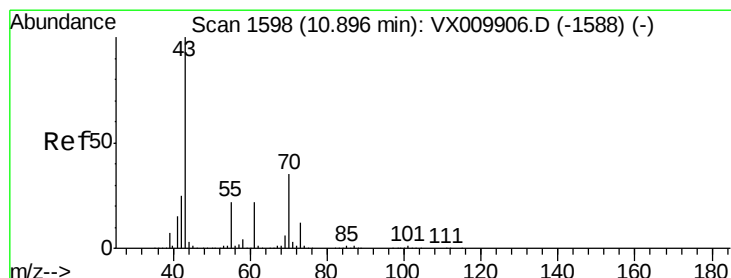
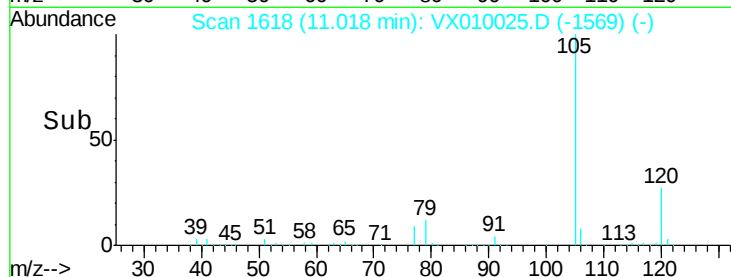
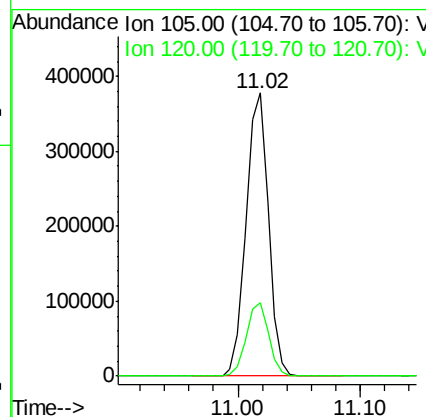
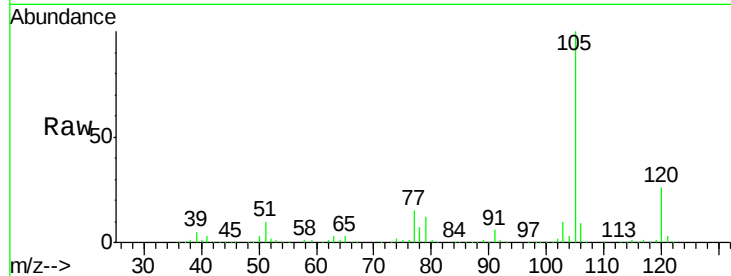
Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4

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#74

N-ethyl acetate

Concen: 50.495 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Tgt Ion: 43 Resp: 274585

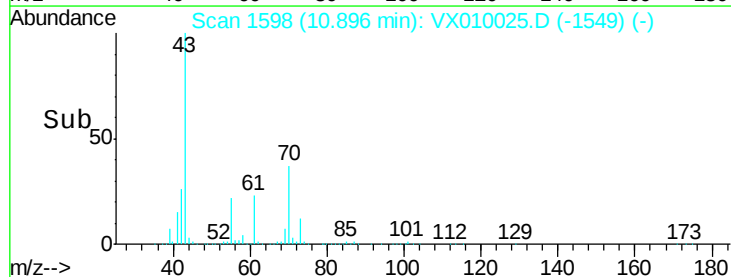
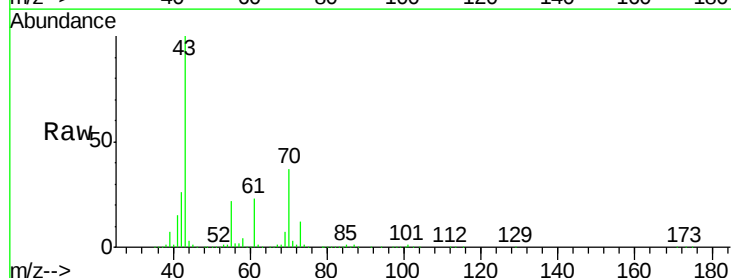
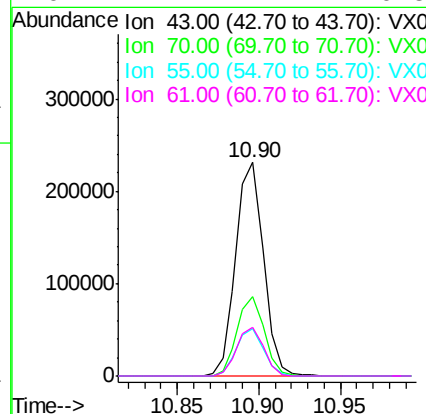
Ion Ratio Lower Upper

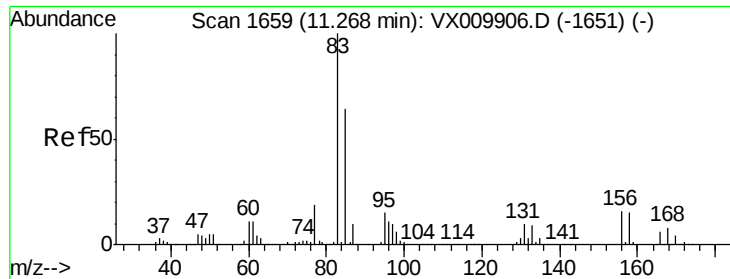
43 100

70 36.5 28.6 43.0

55 22.2 17.8 26.8

61 22.4 17.7 26.5





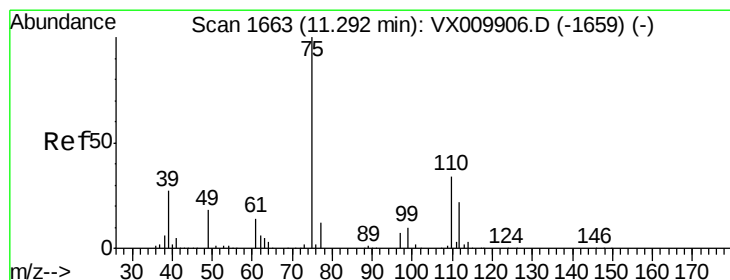
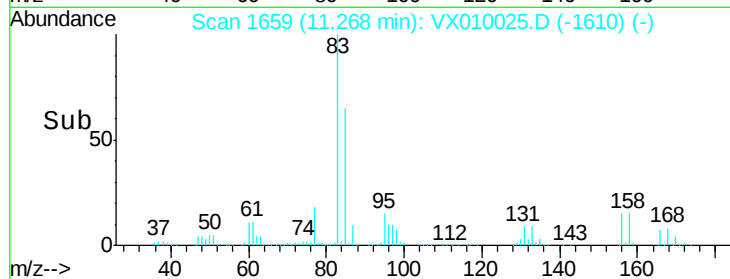
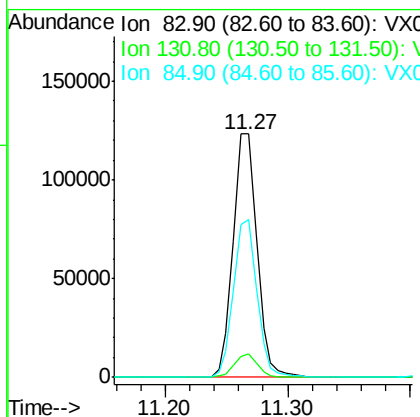
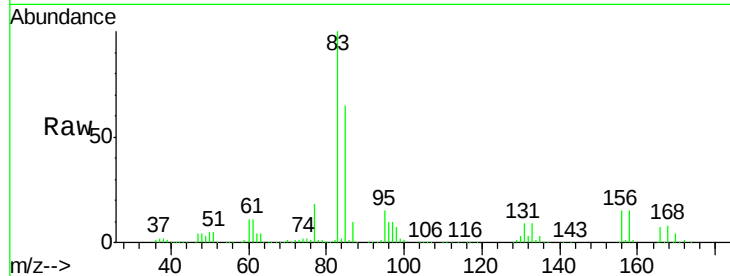
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.090 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	166660		
131	9.3	4.7	14.1	
85	63.9	31.9	95.9	

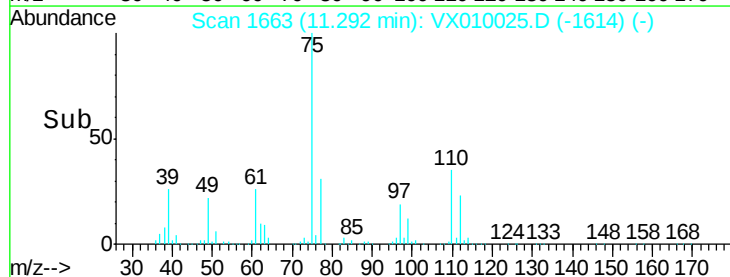
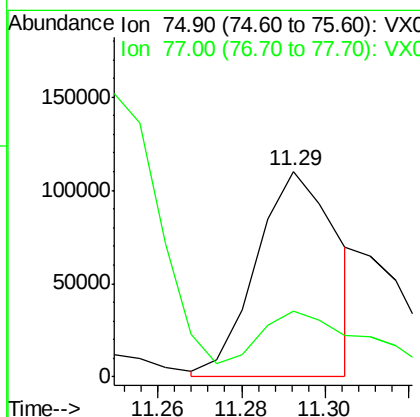
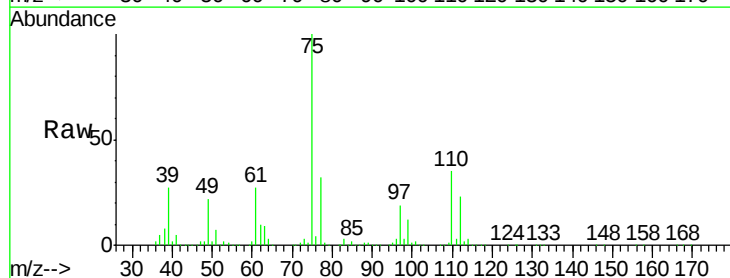
Manual Integrations
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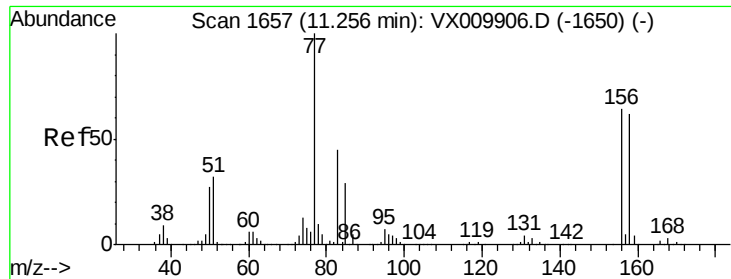
MMDadoda
 6/4/2019 11:30:12 AM



#76
 1,2,3-Trichloropropane
 Concen: 49.952 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	147328		
77	44.0	22.1	66.1	





#77

Bromobenzene

Concen: 51.745 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

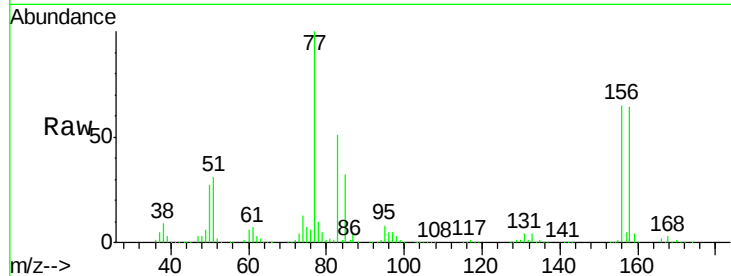
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	120004
Ion Ratio	Lower	Upper	
156	100		
77	164.9	86.8	260.3
158	96.1	49.6	148.8

Manual Integrations
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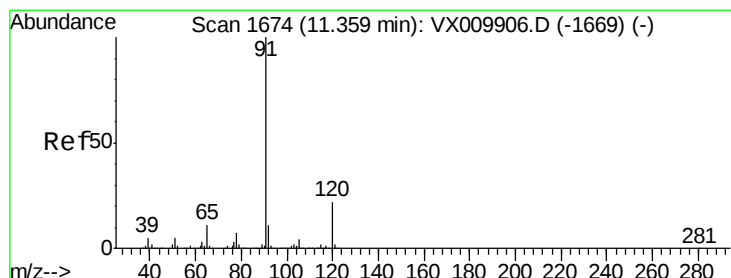
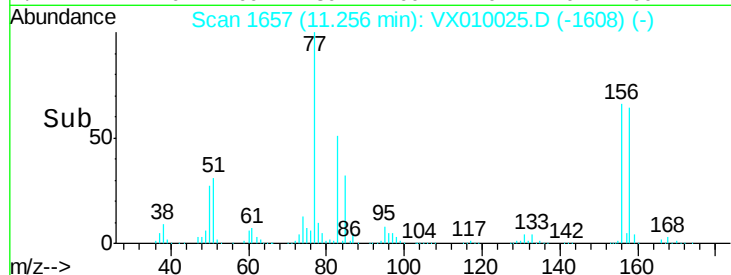
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

11.26

Time-->



#78

n-propylbenzene

Concen: 53.838 ug/l

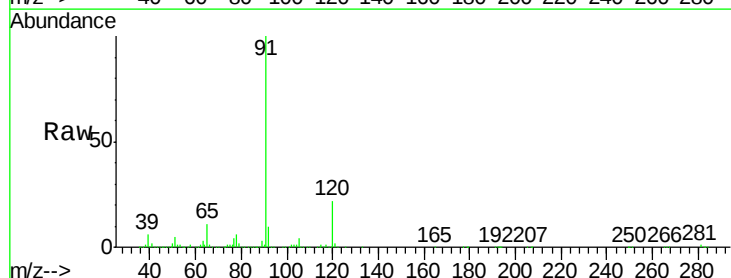
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Tgt Ion:	91	Resp:	564723
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.1	33.3

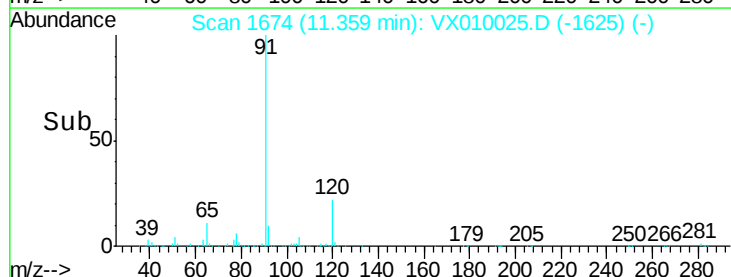


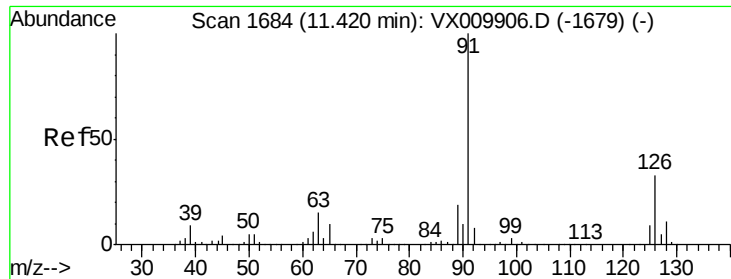
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

Time-->





#79

2-Chlorotoluene

Concen: 50.957 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 326571

Ion Ratio Lower Upper

91 100

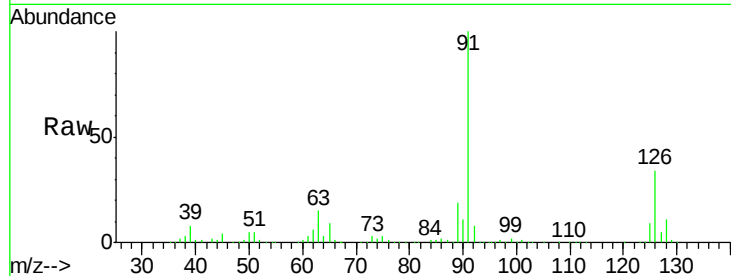
126 33.1 16.1 48.3

Manual Integrations

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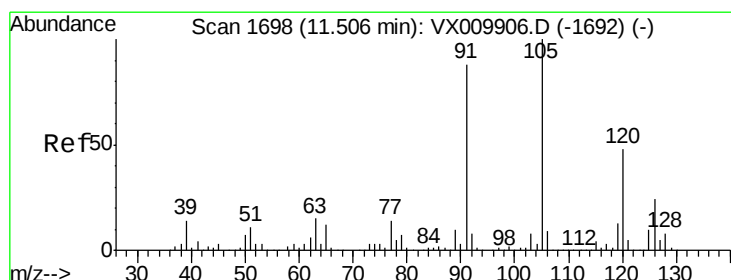
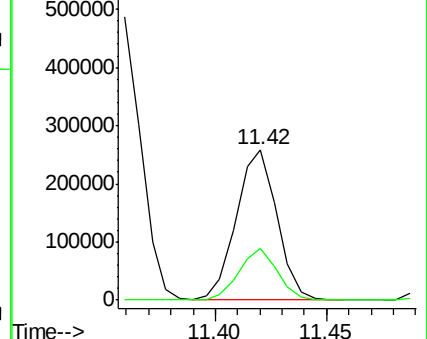
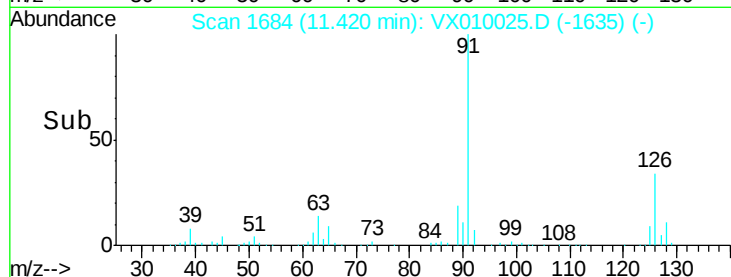
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.152 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010025.D

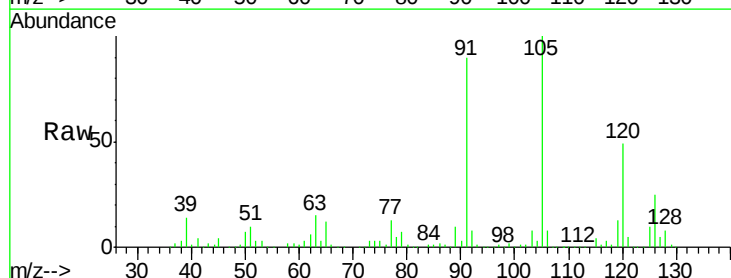
Acq: 03 Jun 2019 10:28

Tgt Ion: 105 Resp: 407492

Ion Ratio Lower Upper

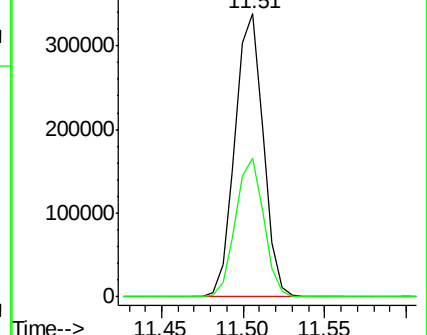
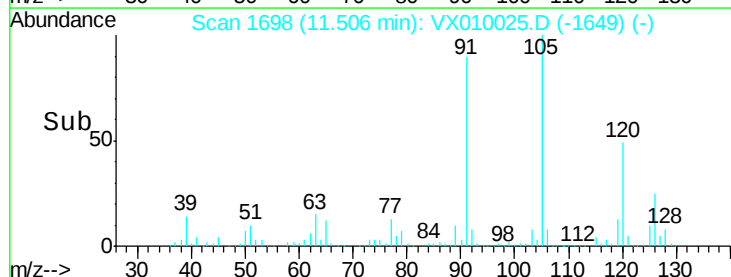
105 100

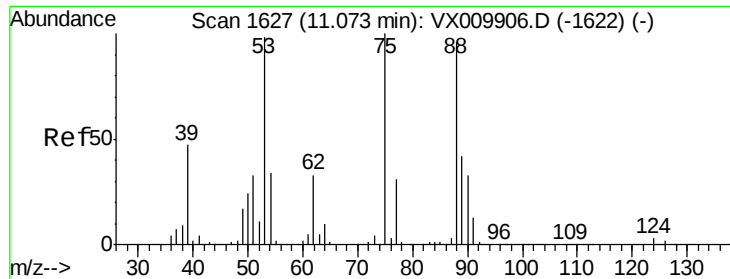
120 48.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.917 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 61889

Ion Ratio Lower Upper

75 100

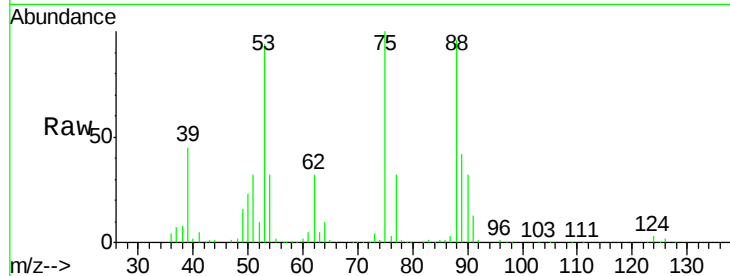
53 96.5 79.8 119.6

89 43.8 34.2 51.4

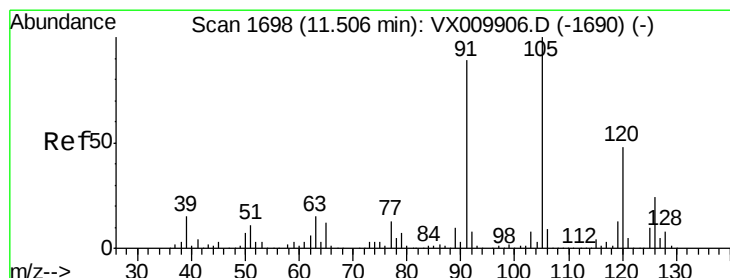
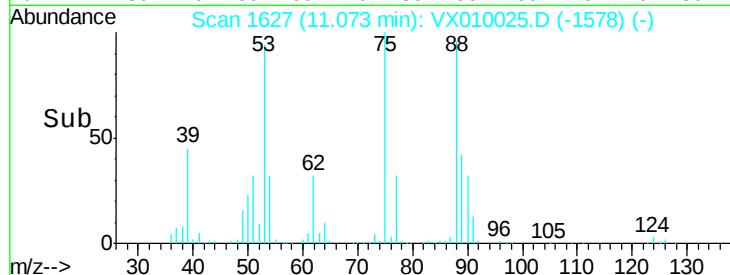
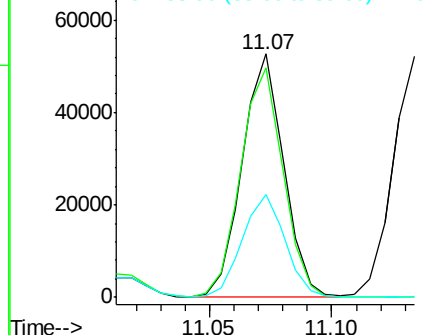
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 51.601 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010025.D

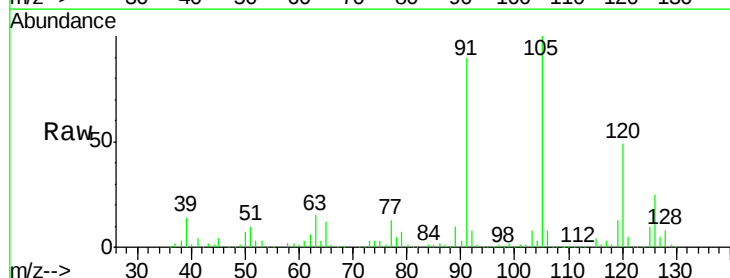
Acq: 03 Jun 2019 10:28

Tgt Ion: 91 Resp: 384966

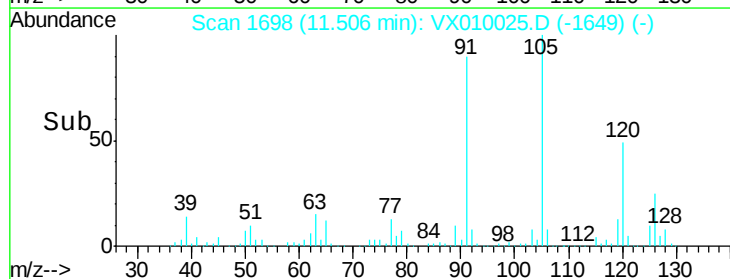
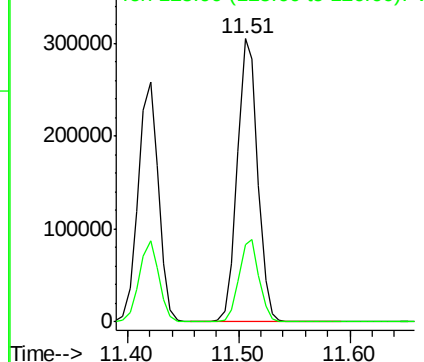
Ion Ratio Lower Upper

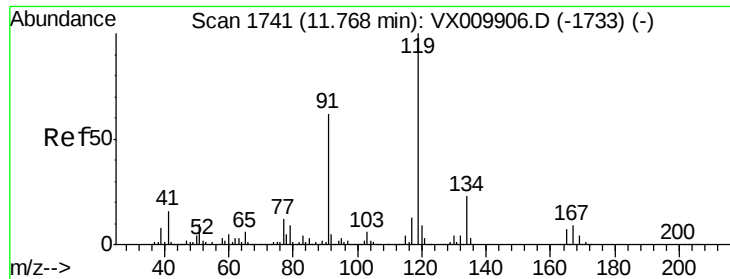
91 100

126 29.0 14.2 42.6



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





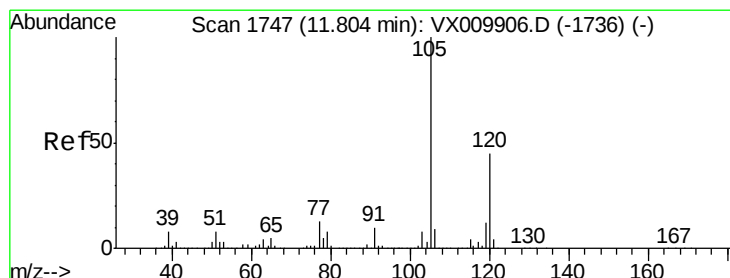
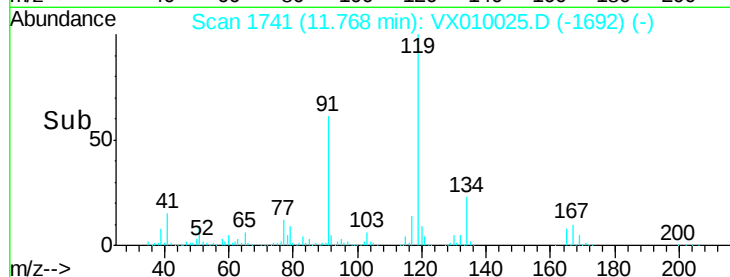
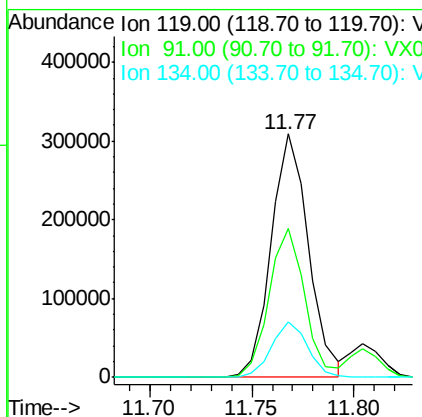
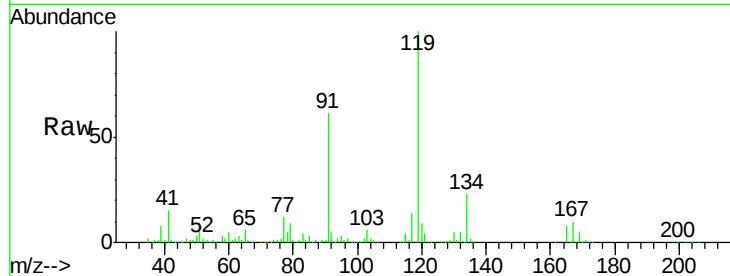
#83
 tert-Butylbenzene
 Concen: 53.802 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	394615		
91	58.9	30.0	90.0	
134	22.0	11.2	33.5	

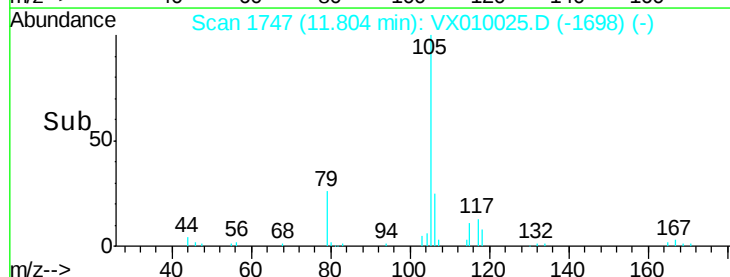
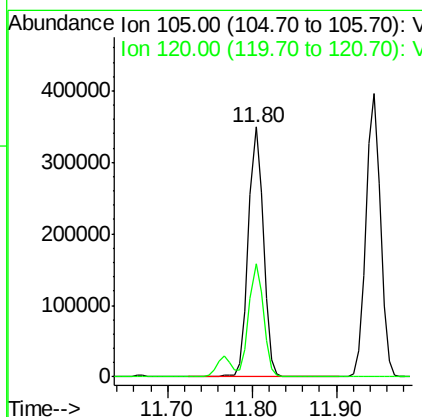
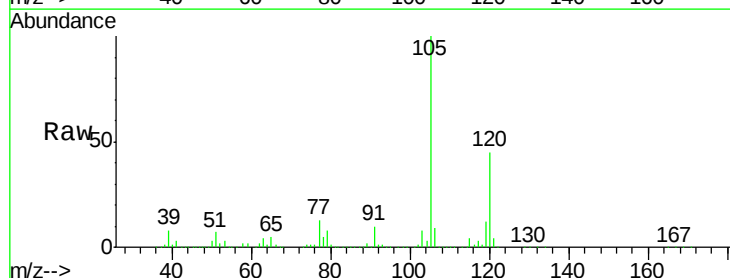
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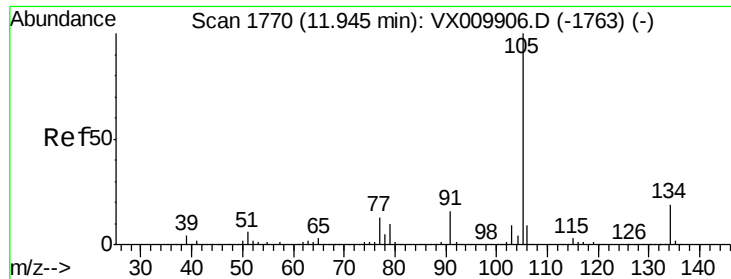
MMDadoda
 6/4/2019 11:30:12 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.750 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	410700		
120	44.5	22.1	66.1	





#85

sec-Butylbenzene

Concen: 54.645 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 476821

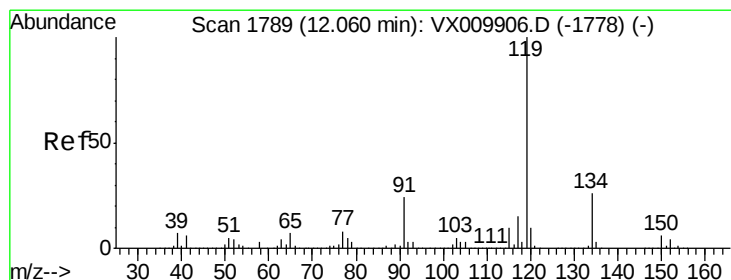
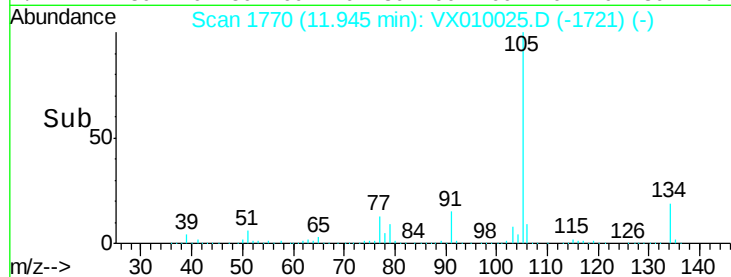
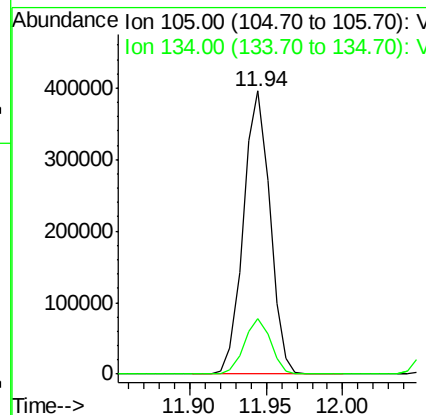
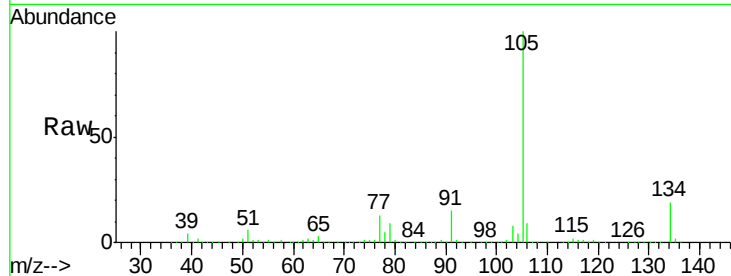
Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 55.999 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010025.D

Acq: 03 Jun 2019 10:28

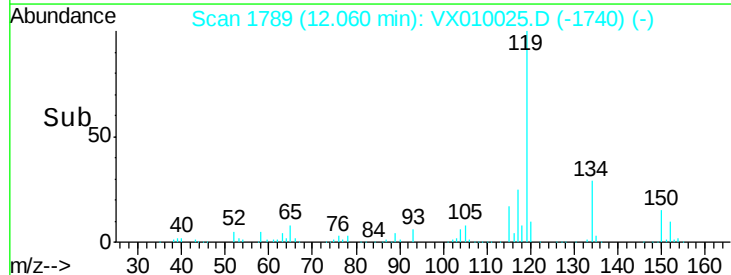
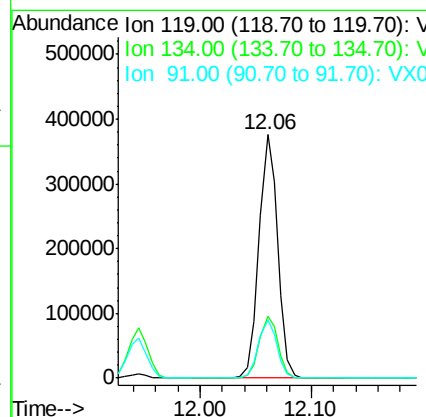
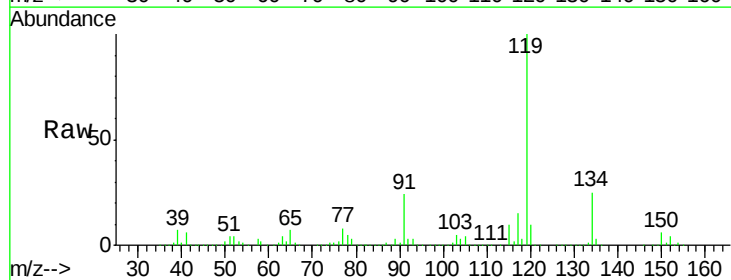
Tgt Ion:119 Resp: 439517

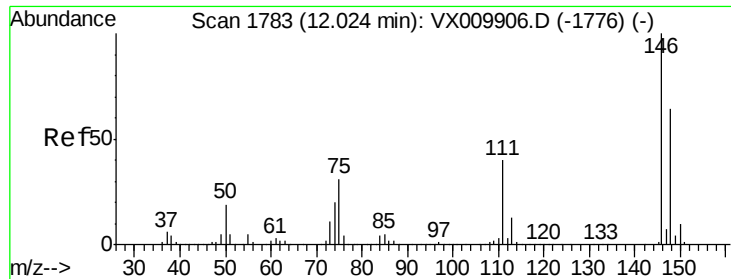
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 23.9 11.9 35.9





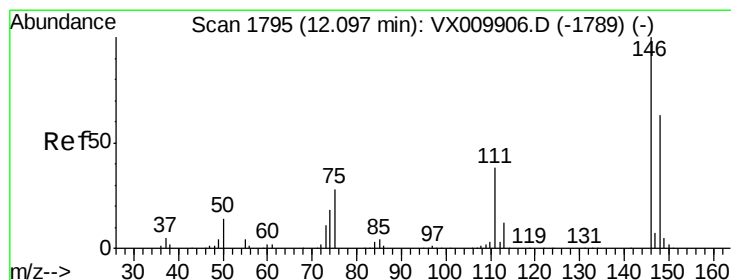
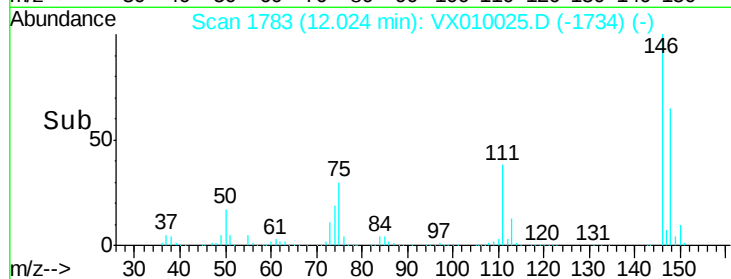
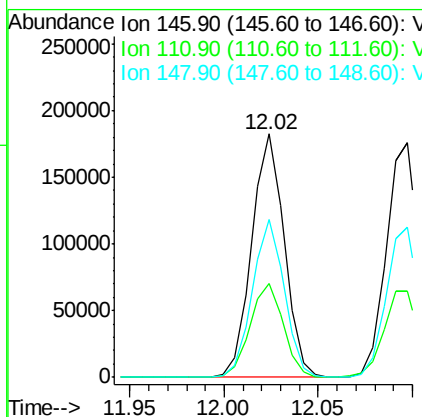
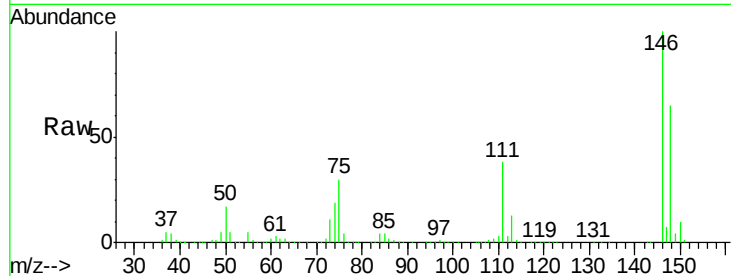
#87
 1,3-Dichlorobenzene
 Concen: 52.870 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.1	60.2
148	63.8	31.9	95.5

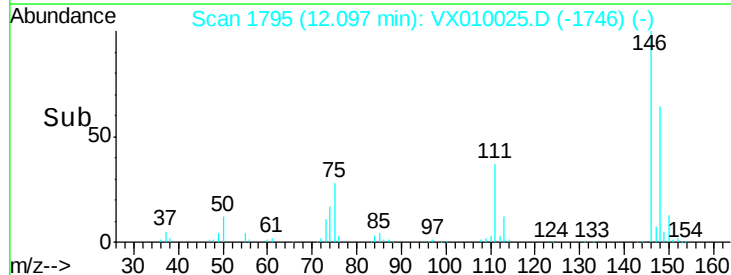
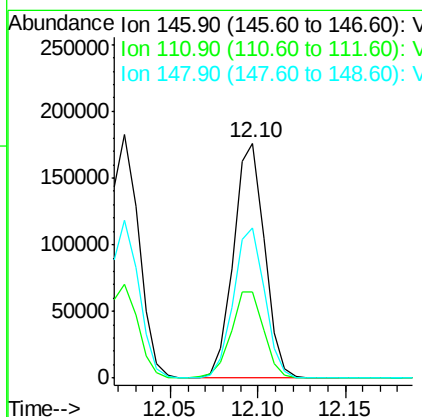
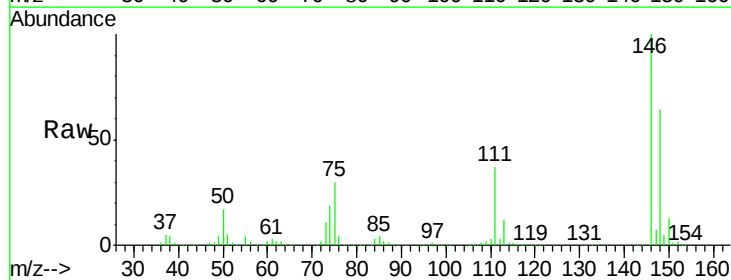
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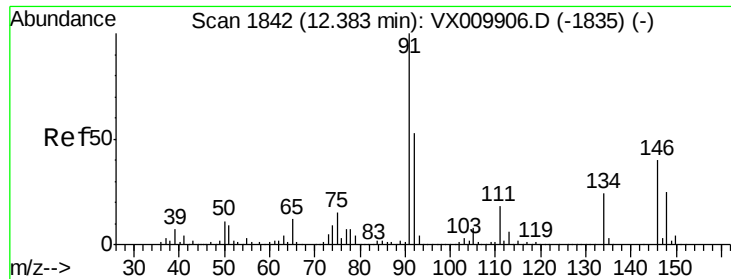
MMDadoda
 6/4/2019 11:30:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.588 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	59.9
148	64.5	32.3	96.9





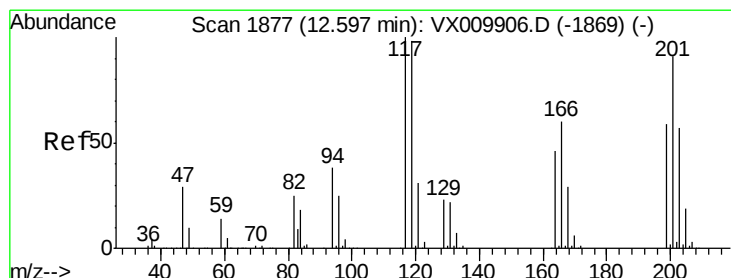
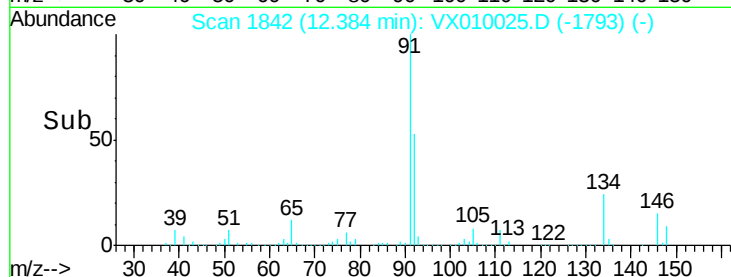
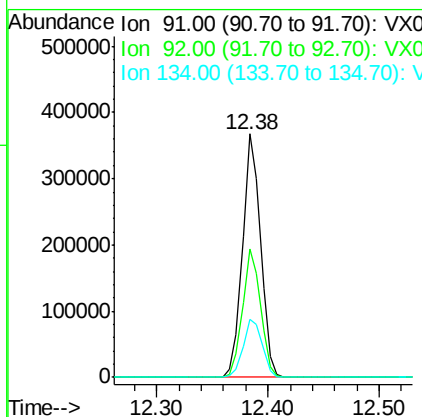
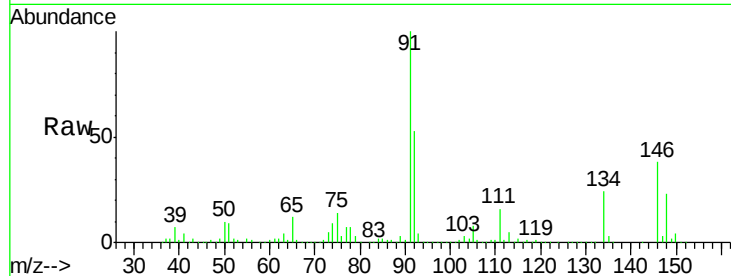
#89
n-Butylbenzene
Concen: 56.202 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	24.8	12.3	36.8

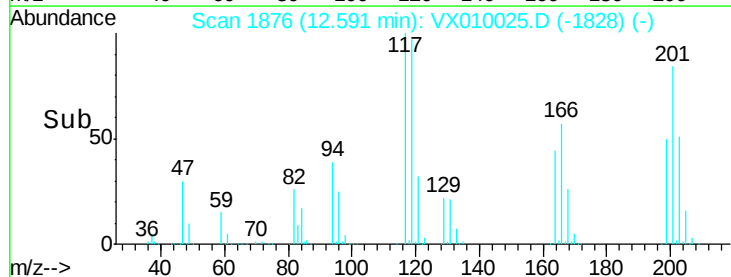
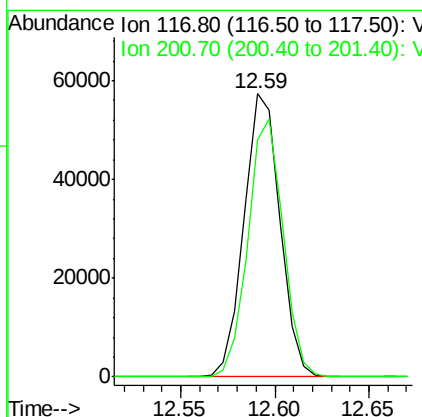
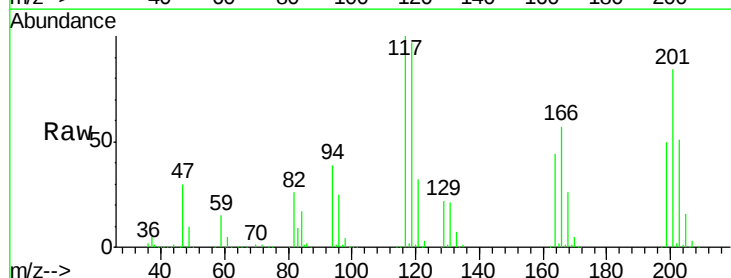
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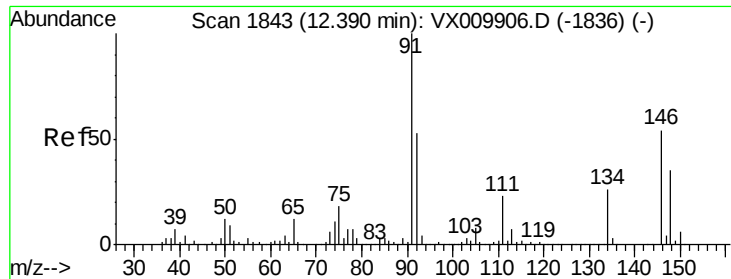
MMDadoda
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#90
Hexachloroethane
Concen: 56.270 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.0	43.6	130.9





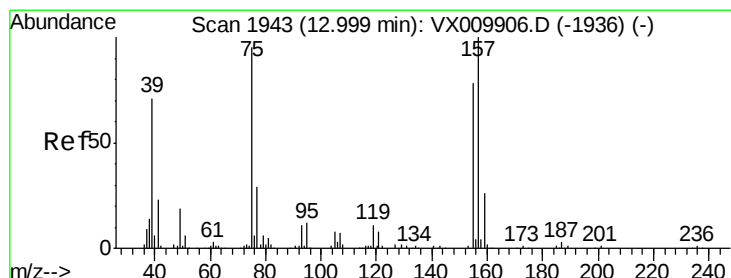
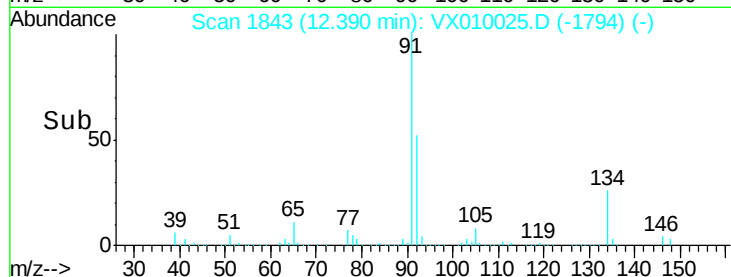
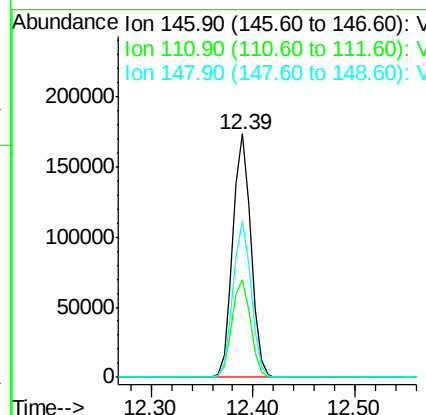
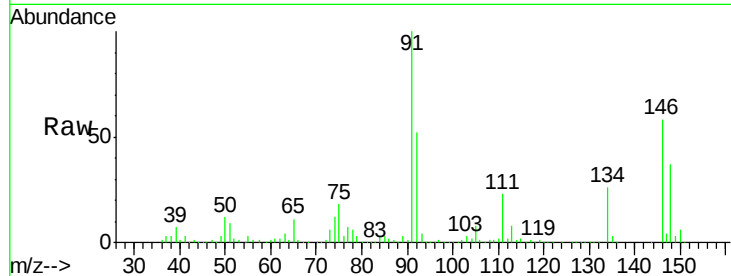
#91
 1,2-Dichlorobenzene
 Concen: 52.137 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	212233		
111	41.0	21.1	63.1	
148	64.0	32.3	96.8	

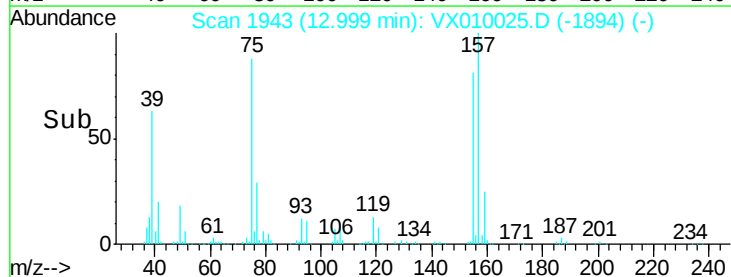
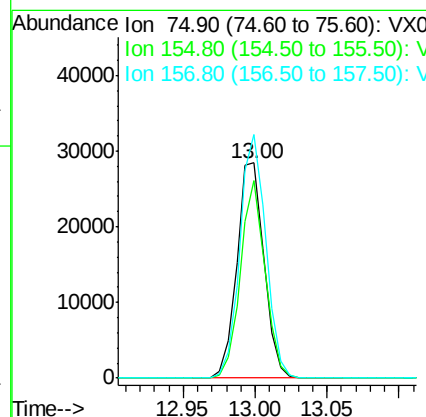
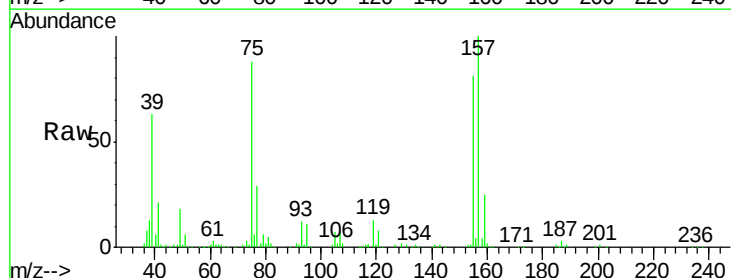
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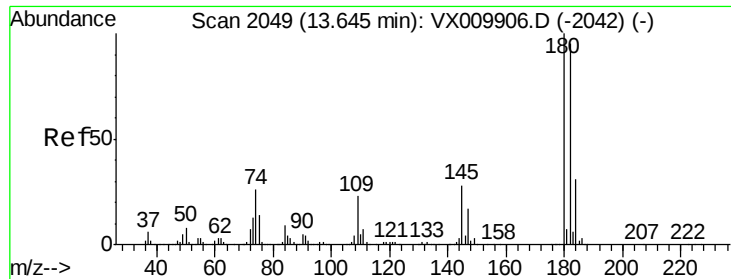
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.217 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37733		
155	82.8	39.3	117.8	
157	107.5	50.6	151.8	





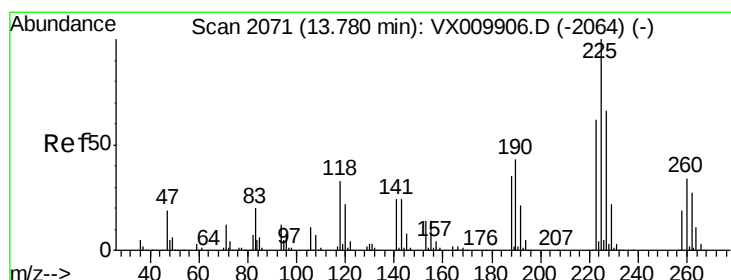
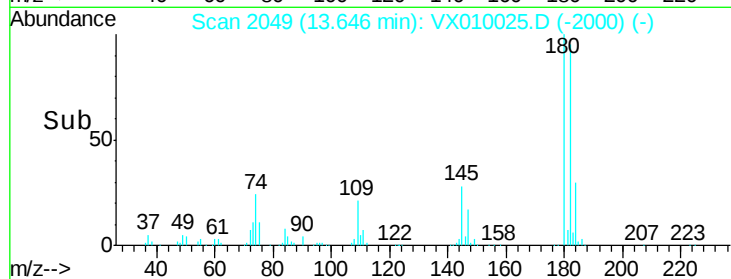
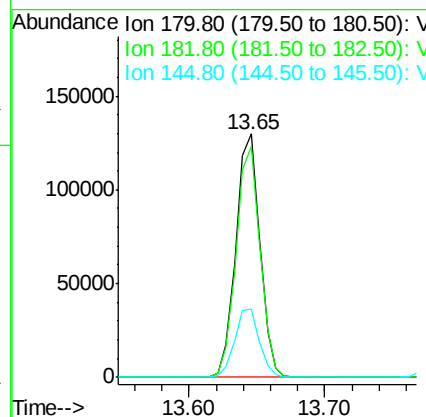
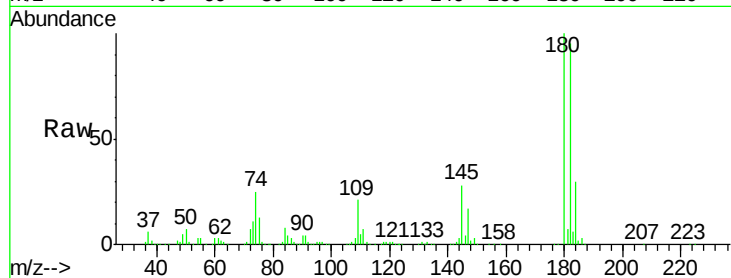
#93
 1,2,4-Trichlorobenzene
 Concen: 54.800 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159413		
182	94.8	47.4	142.2	
145	28.6	14.5	43.5	

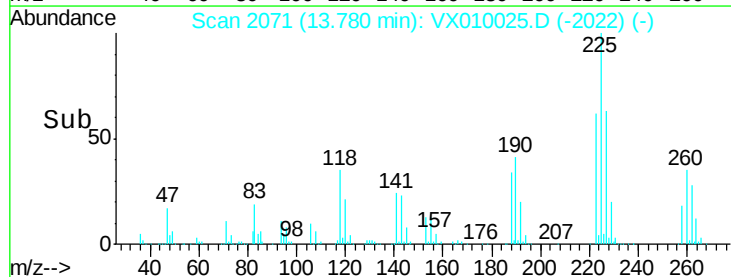
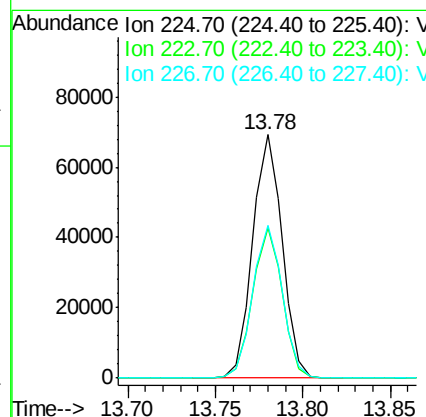
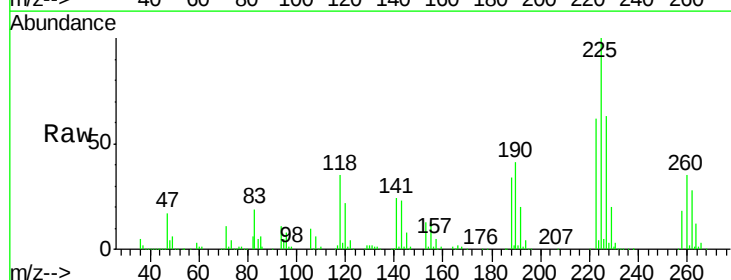
Manual Integrations
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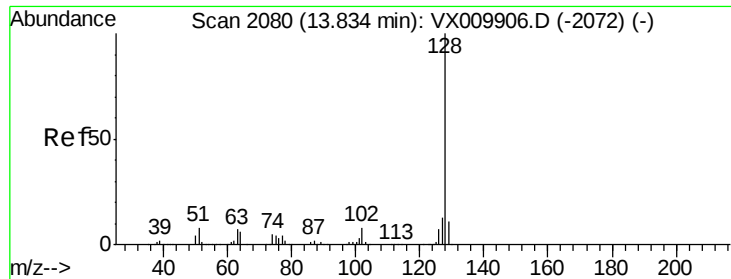
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 6/4/2019 11:30:12 AM



#94
 Hexachlorobutadiene
 Concen: 55.988 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010025.D
 Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81692		
223	61.8	31.3	93.8	
227	62.6	32.3	96.8	





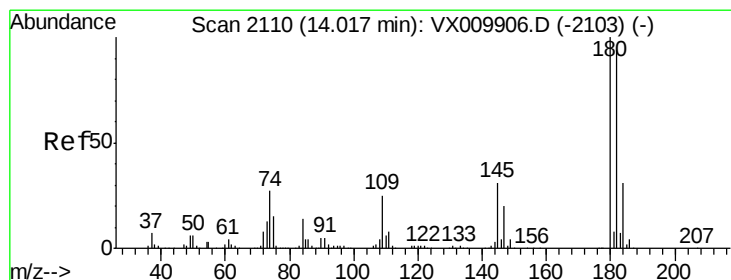
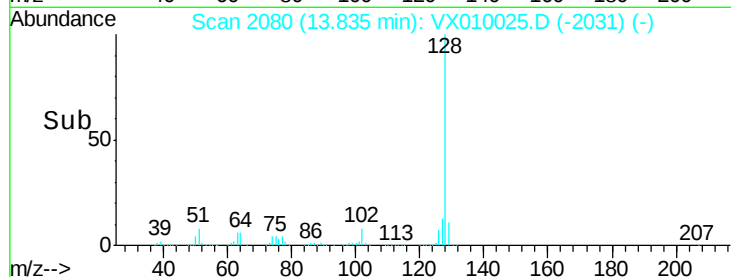
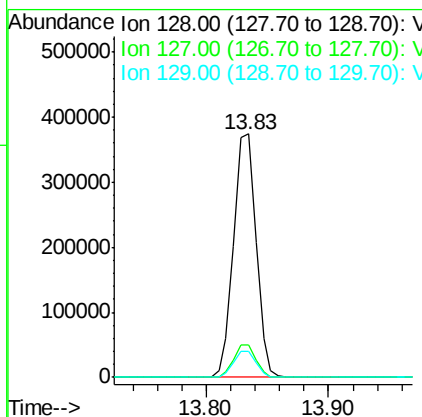
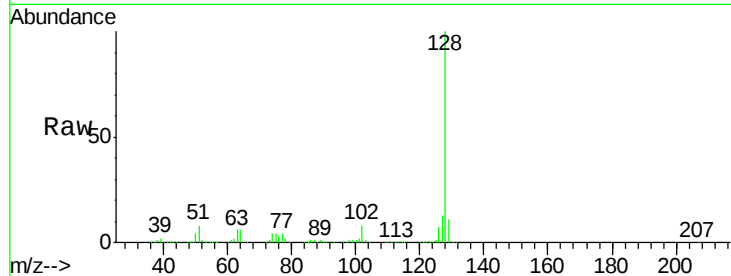
#95
Naphthalene
Concen: 52.549 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 52.823 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010025.D
Acq: 03 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.3	142.0
145	31.2	15.6	46.7

