

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX041219\
 Data File : VX008902.D
 Acq On : 12 Apr 2019 21:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/13/2019 2:12:11 PM

Quant Time: Apr 13 06:18:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	149888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	250028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	224212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103671	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110262	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	5.50	113	80377	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	8.71	98	325189	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.13	95	117615	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	102744	59.550	ug/l	98
3) Chloromethane	1.32	50	120636	57.299	ug/l	99
4) Vinyl Chloride	1.40	62	115414	49.484	ug/l	100
5) Bromomethane	1.64	94	66004	57.167	ug/l	99
6) Chloroethane	1.71	64	68728	54.212	ug/l	99
7) Trichlorofluoromethane	1.92	101	128468	49.828	ug/l	99
8) Diethyl Ether	2.19	74	59344	48.537	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	80743	48.642	ug/l	99
10) Methyl Iodide	2.51	142	81550	53.627	ug/l	100
11) Tert butyl alcohol	3.06	59	141082	275.649	ug/l	100
12) 1,1-Dichloroethene	2.37	96	84913	49.002	ug/l	100
13) Acrolein	2.29	56	73264	288.684	ug/l	99
14) Allyl chloride	2.72	41	199445	50.277	ug/l	98
15) Acrylonitrile	3.15	53	352254	259.795	ug/l	100
16) Acetone	2.45	43	305580	242.680	ug/l	99
17) Carbon Disulfide	2.56	76	250165	49.993	ug/l	100
18) Methyl Acetate	2.78	43	157570	51.596	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	320456	51.784	ug/l	100
20) Methylene Chloride	2.85	84	101884	48.338	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	90407	48.234	ug/l	94
22) Diisopropyl ether	3.86	45	389923	50.998	ug/l	98
23) Vinyl Acetate	3.82	43	1766126	265.528	ug/l	100
24) 1,1-Dichloroethane	3.70	63	190505	50.324	ug/l	99
25) 2-Butanone	4.68	43	531098	266.859	ug/l	99
26) 2,2-Dichloropropane	4.59	77	117359	44.017	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	104693	48.582	ug/l	98
28) Bromochloromethane	5.01	49	87923	55.963	ug/l	99
29) Tetrahydrofuran	5.13	42	350258	265.160	ug/l	99
30) Chloroform	5.21	83	171268	50.654	ug/l	100
31) Cyclohexane	5.58	56	184956	48.965	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	140035	51.252	ug/l	100
36) 1,1-Dichloropropene	5.80	75	131909	48.264	ug/l	100
37) Ethyl Acetate	4.84	43	198460	54.402	ug/l	99
38) Carbon Tetrachloride	5.79	117	115973	51.269	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	160536	47.549	ug/l	99
40) Benzene	6.14	78	410126	50.371	ug/l	100
41) Methacrylonitrile	5.04	41	110029	52.471	ug/l	99
42) 1,2-Dichloroethane	6.19	62	145807	49.952	ug/l	100
43) Isopropyl Acetate	6.45	43	307109	53.740	ug/l	99
44) Trichloroethene	7.21	130	95453	50.335	ug/l	98
45) 1,2-Dichloropropane	7.51	63	117130	50.401	ug/l	99
46) Dibromomethane	7.66	93	65869	48.870	ug/l	98
47) Bromodichloromethane	7.90	83	130801	51.469	ug/l	99
48) Methyl methacrylate	7.77	41	154918	53.590	ug/l	99
49) 1,4-Dioxane	7.74	88	57056	1053.618	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1014107	275.666	ug/l	100
52) Toluene	8.79	92	244755	50.989	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	149388	52.476	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	165068	50.746	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	98801	51.276	ug/l	99
56) Ethyl methacrylate	9.18	69	187545	53.795	ug/l	99
57) 1,3-Dichloropropane	9.37	76	177354	51.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	447151	251.187	ug/l	99
59) 2-Hexanone	9.49	43	768013	268.636	ug/l	99
60) Dibromochloromethane	9.59	129	98462	54.228	ug/l	100
61) 1,2-Dibromoethane	9.67	107	101698	50.699	ug/l	98
64) Tetrachloroethene	9.34	164	86618	52.143	ug/l	98
65) Chlorobenzene	10.14	112	250369	50.375	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	90329	51.806	ug/l	100
67) Ethyl Benzene	10.25	91	465450	50.223	ug/l	99
68) m/p-Xylenes	10.36	106	337240	101.207	ug/l	99
69) o-Xylene	10.70	106	165037	51.107	ug/l	98
70) Styrene	10.71	104	289051	51.927	ug/l	99
71) Bromoform	10.85	173	71267	53.517	ug/l #	99
73) Isopropylbenzene	11.02	105	436271	50.779	ug/l	100
74) N-amyl acetate	10.90	43	262972	52.025	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	158149	48.401	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	137213m	48.180	ug/l	
77) Bromobenzene	11.26	156	106031	51.337	ug/l	97
78) n-propylbenzene	11.36	91	502082	50.190	ug/l	100
79) 2-Chlorotoluene	11.42	91	299886	49.537	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	363720	50.434	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	53361	51.649	ug/l	99
82) 4-Chlorotoluene	11.51	91	341383	48.717	ug/l	98
83) tert-Butylbenzene	11.77	119	344569	49.662	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	366685	50.214	ug/l	99
85) sec-Butylbenzene	11.94	105	415796	50.451	ug/l	99
86) p-Isopropyltoluene	12.06	119	373237	50.457	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	183254	49.561	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	181950	48.595	ug/l	99
89) n-Butylbenzene	12.38	91	343448	49.509	ug/l	99
90) Hexachloroethane	12.60	117	62792	51.180	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	182818	49.798	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35937	49.997	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	127365	49.897	ug/l	99
94) Hexachlorobutadiene	13.78	225	63402	51.792	ug/l	100
95) Naphthalene	13.83	128	432478	50.694	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	129821	50.903	ug/l	98

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

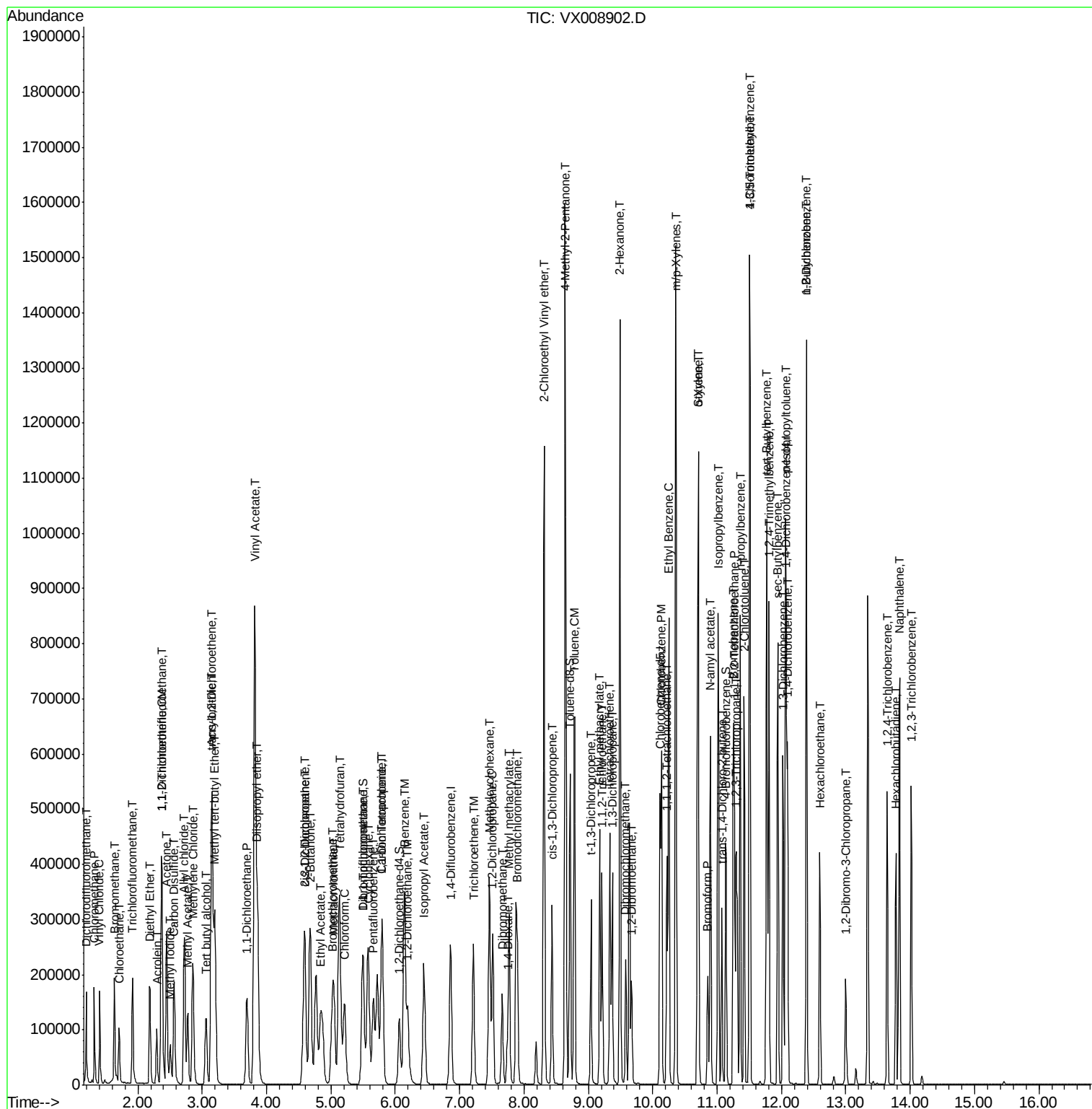
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX041219\
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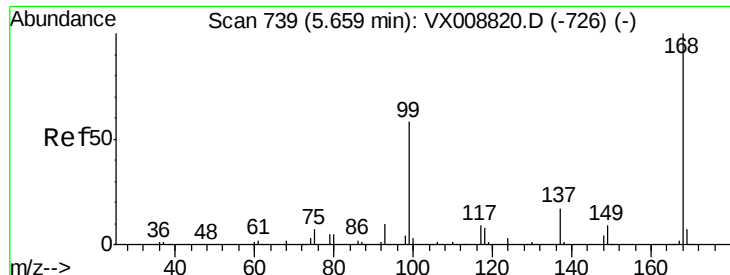
Instrument :
MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 149888

Ion Ratio Lower Upper

168 100

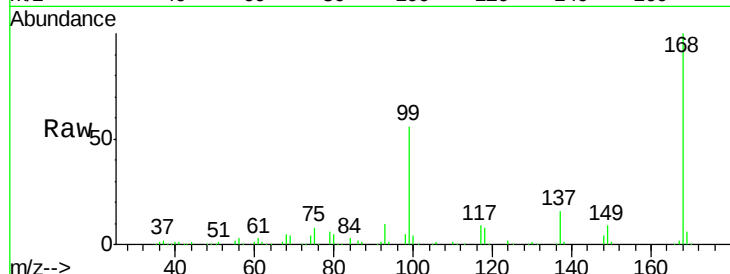
99 55.8 46.7 70.1

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

50000

40000

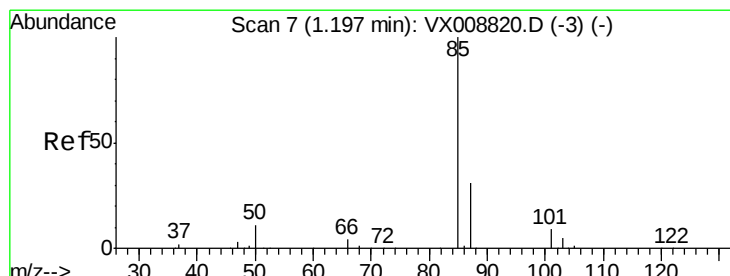
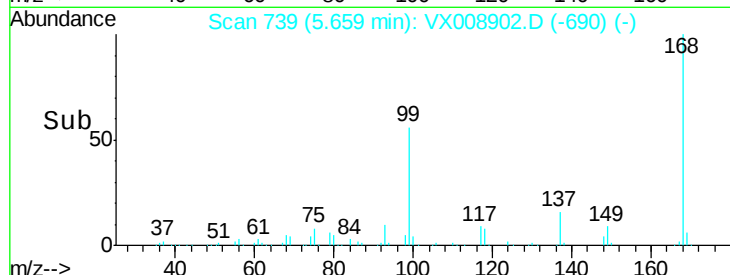
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 59.550 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008902.D

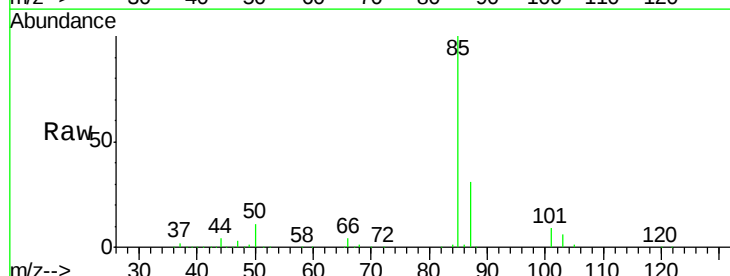
Acq: 12 Apr 2019 21:44

Tgt Ion: 85 Resp: 102744

Ion Ratio Lower Upper

85 100

87 30.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

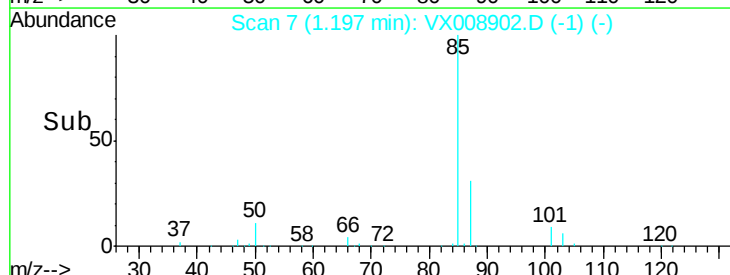
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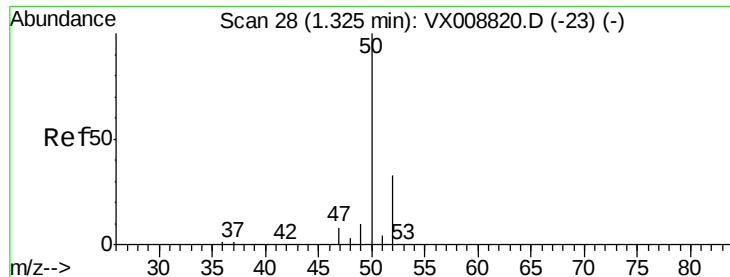
40000

20000

0

Time-->





#3

Chloromethane

Concen: 57.299 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 120636

Ion Ratio Lower Upper

50 100

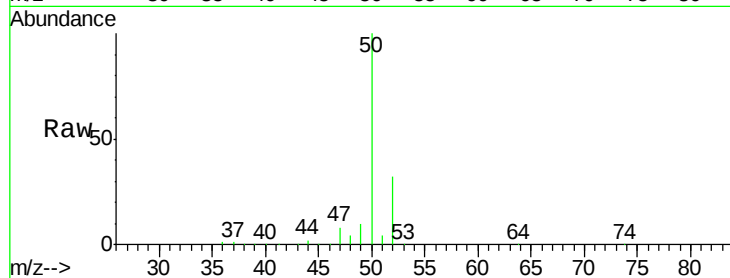
52 31.9 25.8 38.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

120000

100000

80000

60000

40000

20000

0

1.25

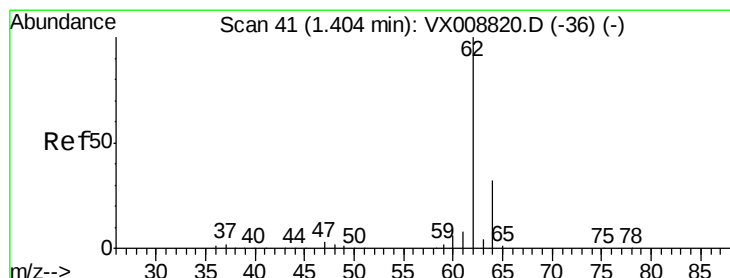
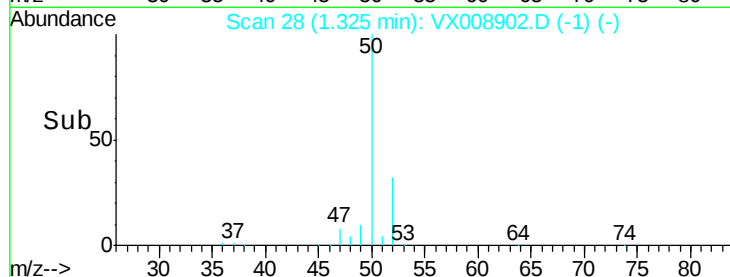
1.30

1.32

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 49.484 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008902.D

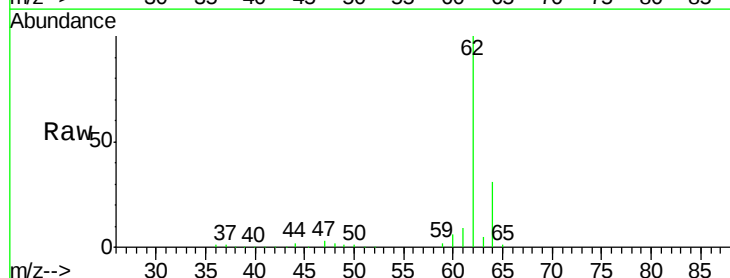
Acq: 12 Apr 2019 21:44

Tgt Ion: 62 Resp: 115414

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

120000

100000

80000

60000

40000

20000

0

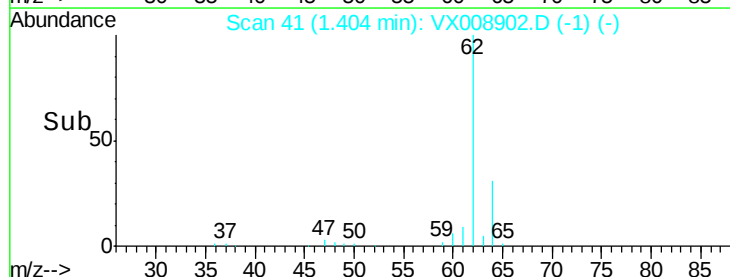
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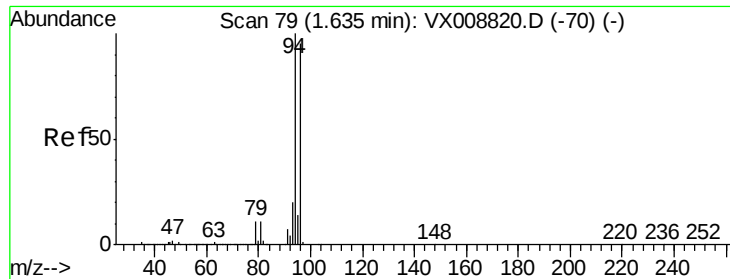
1.40

1.45

1.50

Time-->





#5

Bromomethane

Concen: 57.167 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 66004

Ion Ratio Lower Upper

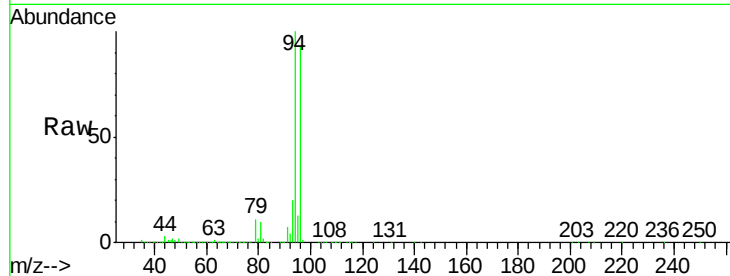
94 100

96 93.1 75.2 112.8

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

80000

60000

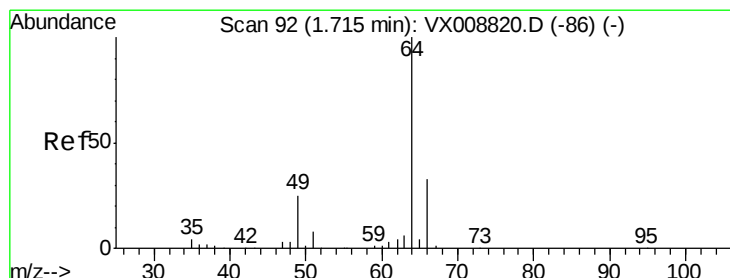
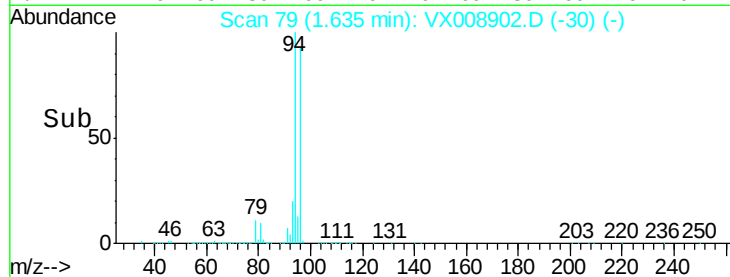
40000

20000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 54.212 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008902.D

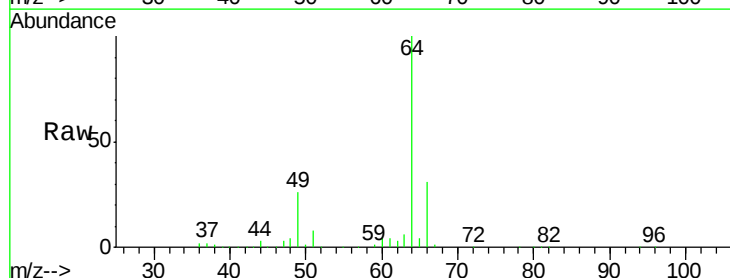
Acq: 12 Apr 2019 21:44

Tgt Ion: 64 Resp: 68728

Ion Ratio Lower Upper

64 100

66 31.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

60000

50000

40000

30000

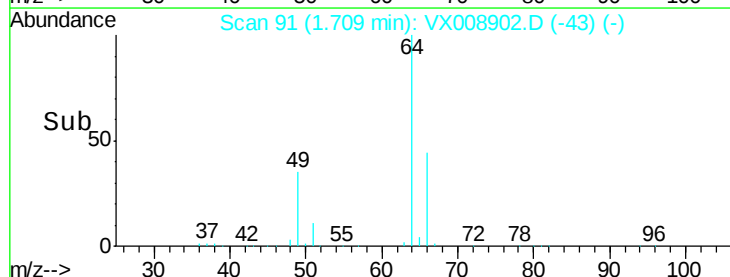
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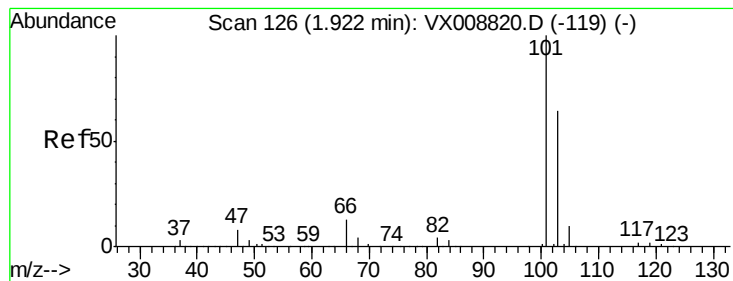
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1.65 1.70 1.75 1.80

Time-->





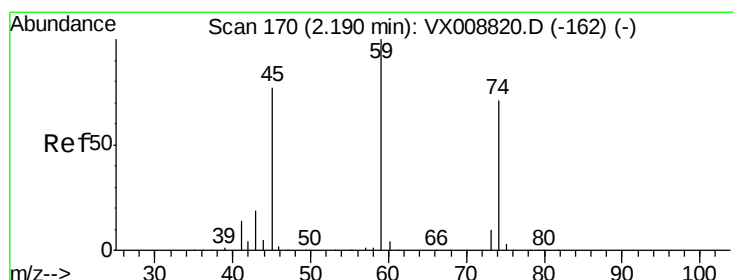
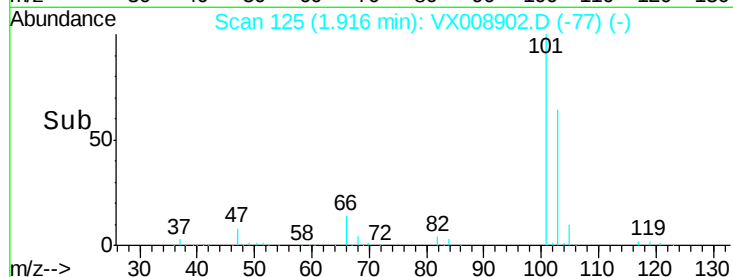
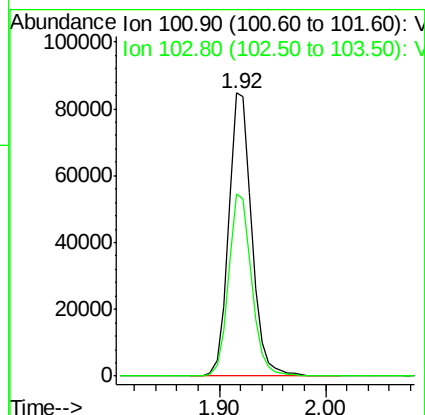
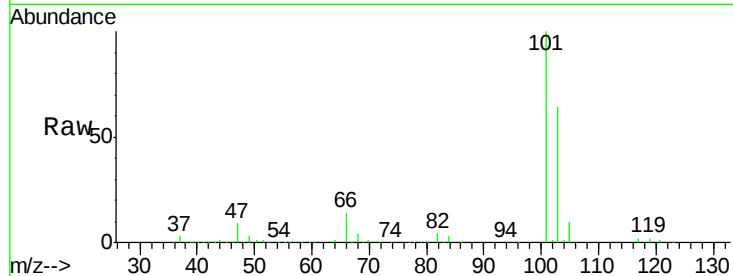
#7
 Trichlorofluoromethane
 Concen: 49.828 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 128468
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.3 78.5

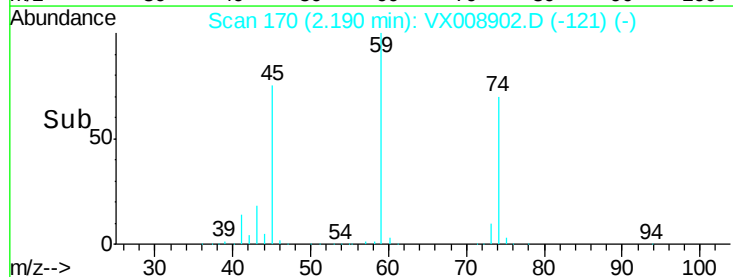
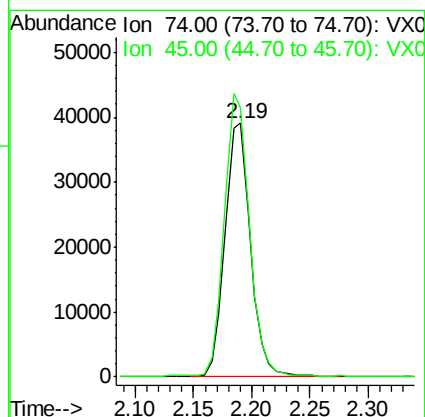
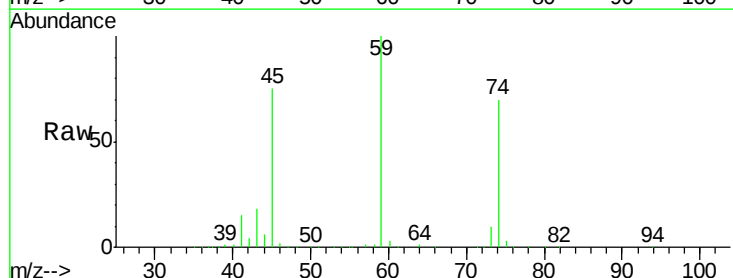
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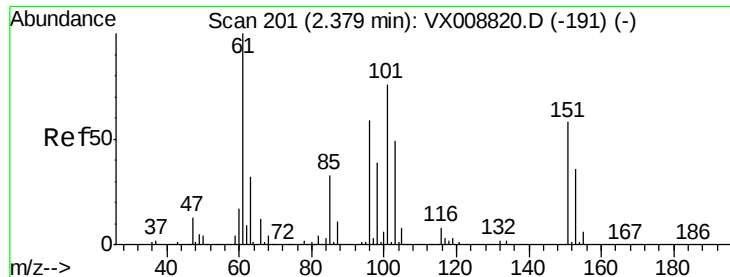
MMDadoda
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#8
 Diethyl Ether
 Concen: 48.537 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion: 74 Resp: 59344
 Ion Ratio Lower Upper
 74 100
 45 108.9 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.642 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008902.D

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Instrument :

MSVOA_X

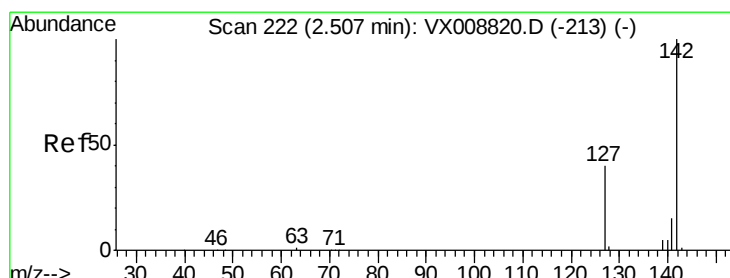
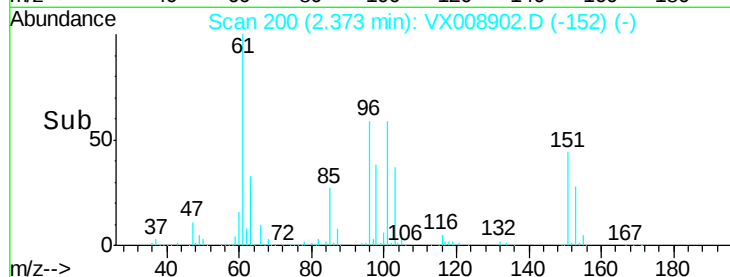
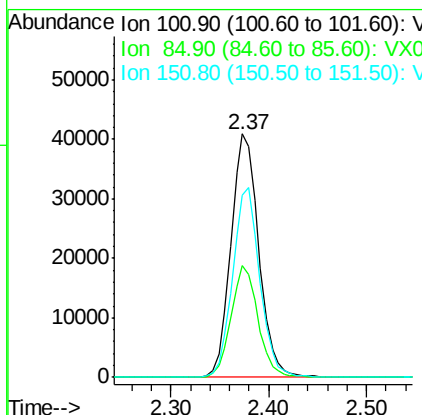
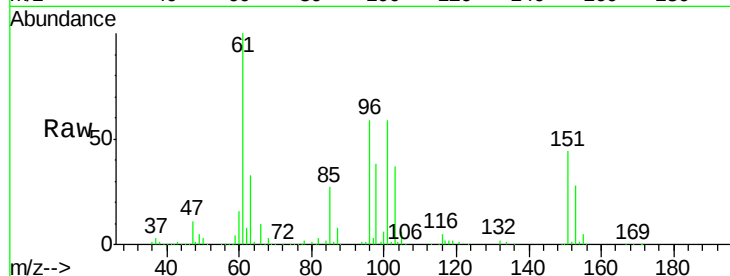
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	80743
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.0	54.0
151	76.3	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 53.627 ug/l

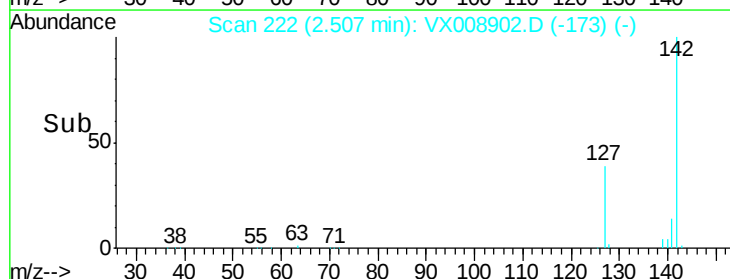
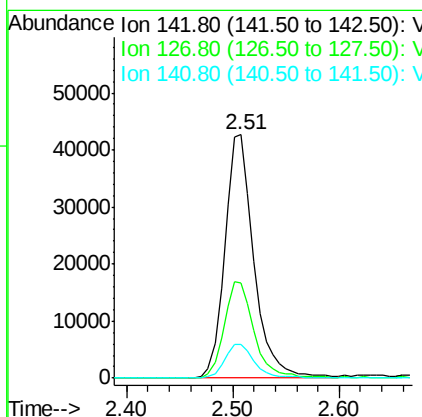
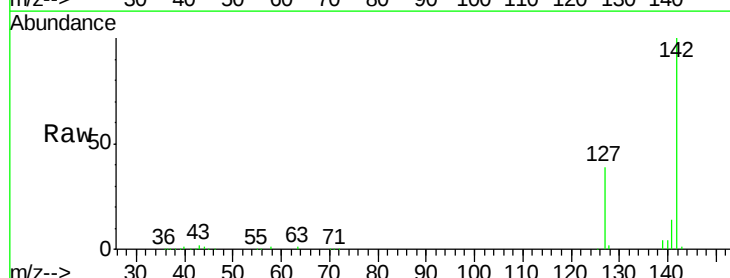
RT: 2.51 min Scan# 222

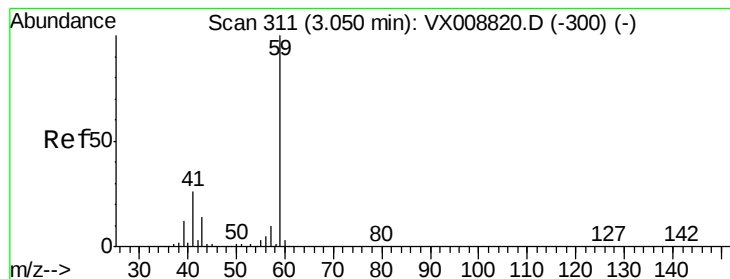
Delta R.T. 0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Tgt Ion:	142	Resp:	81550
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.0	49.6
141	14.4	11.4	17.2





#11

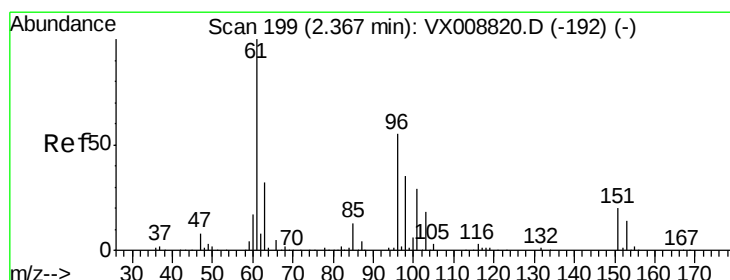
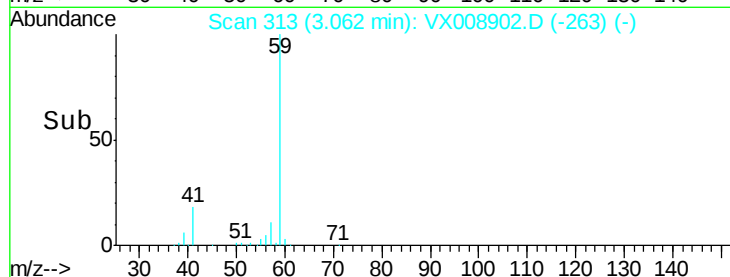
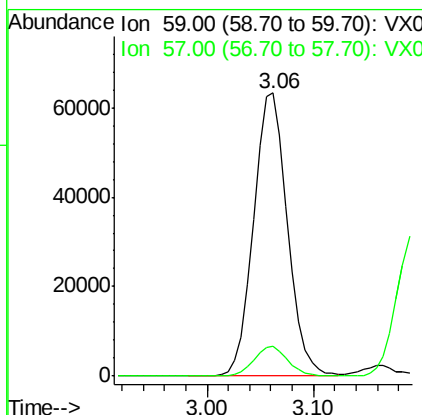
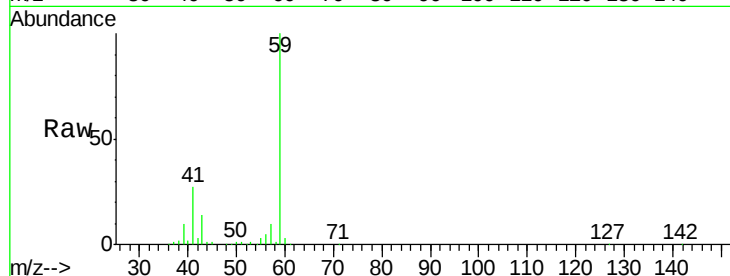
Tert butyl alcohol
 Concen: 275.649 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
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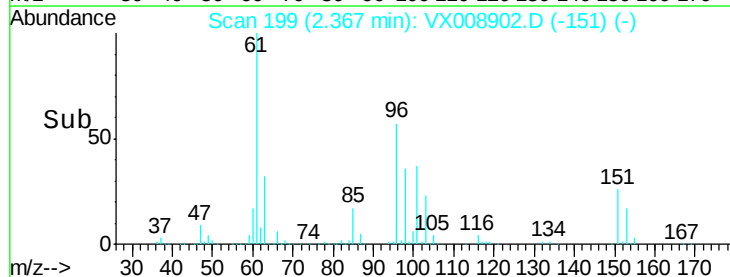
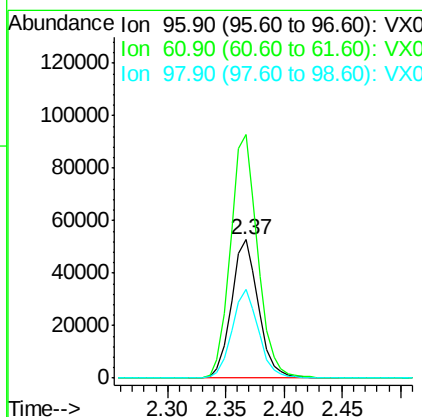
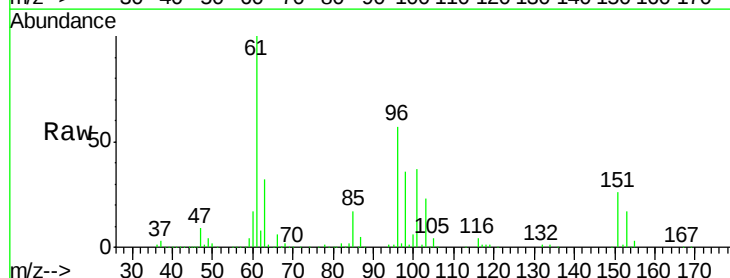
MMDadoda
 4/13/2019 2:12:11 PM

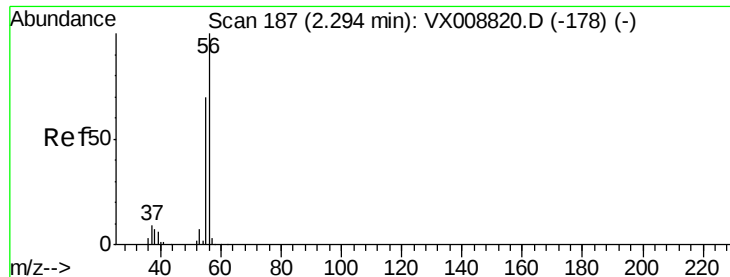


#12

1,1-Dichloroethene
 Concen: 49.002 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.4	140.9	211.3
98	64.2	52.1	78.1





#13

Acrolein

Concen: 288.684 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 73264

Ion Ratio Lower Upper

56 100

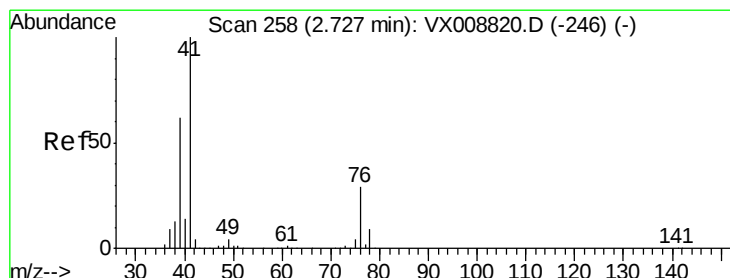
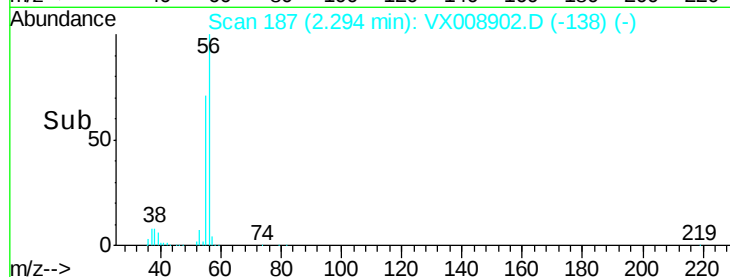
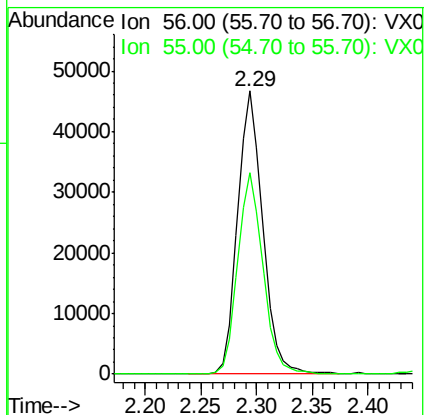
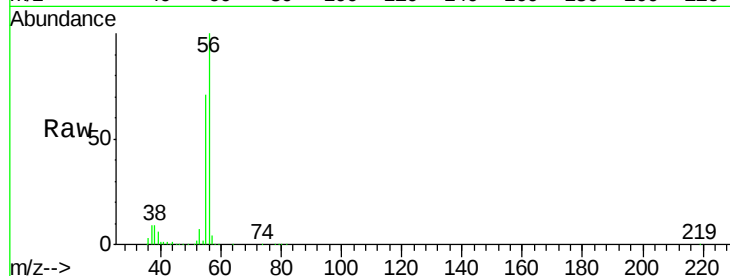
55 71.5 58.0 87.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 50.277 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

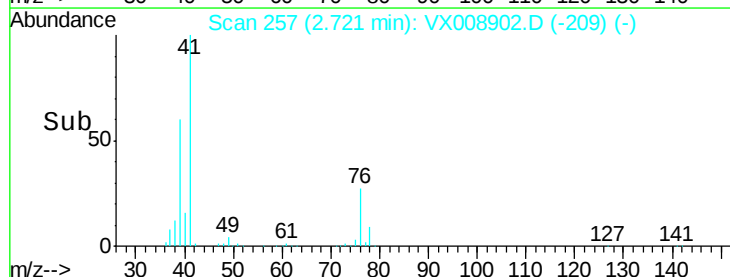
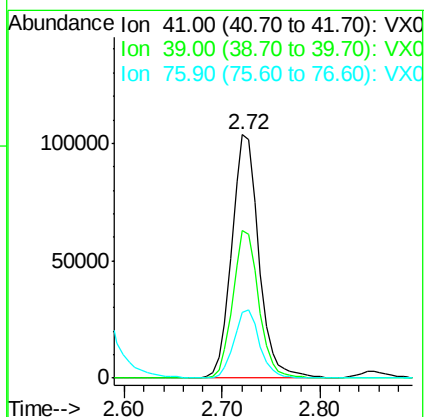
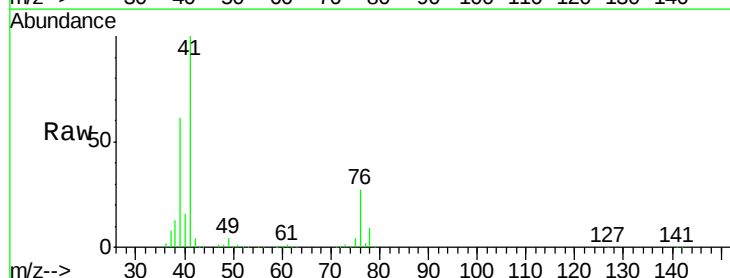
Tgt Ion: 41 Resp: 199445

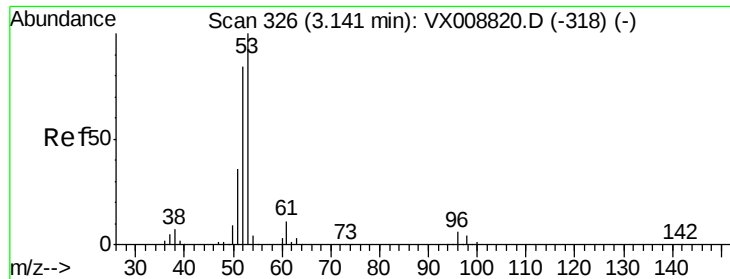
Ion Ratio Lower Upper

41 100

39 58.2 48.0 72.0

76 26.6 22.0 33.0





#15

Acrylonitrile

Concen: 259.795 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

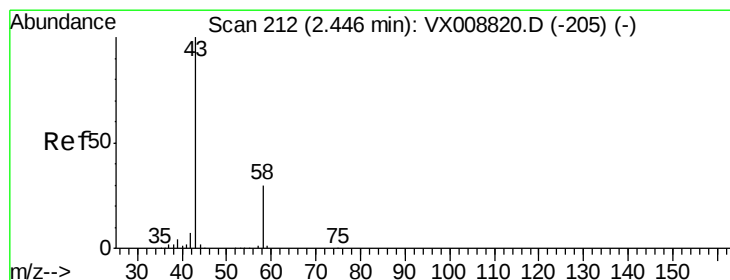
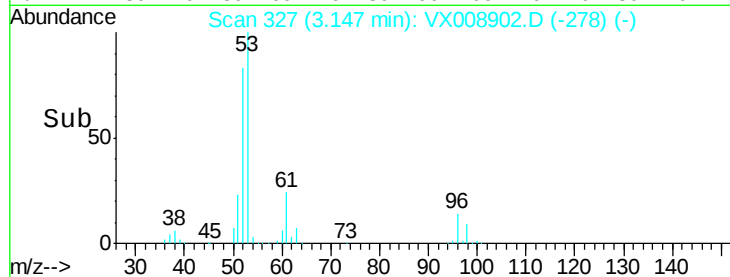
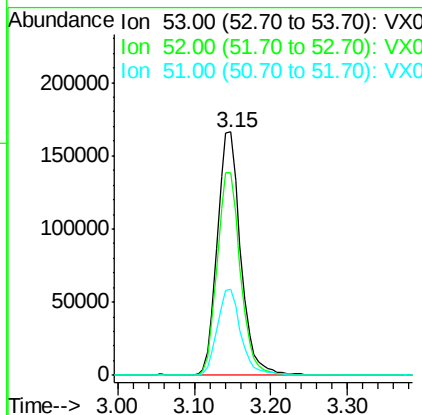
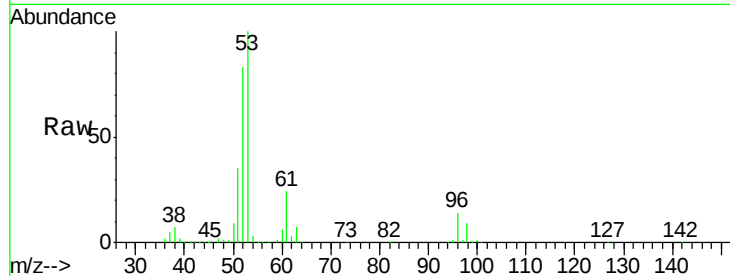
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	352254
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	35.6	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 242.680 ug/l

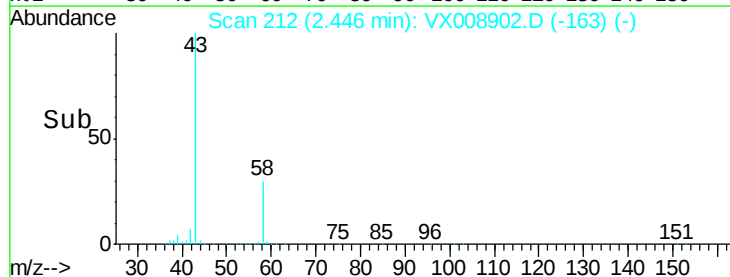
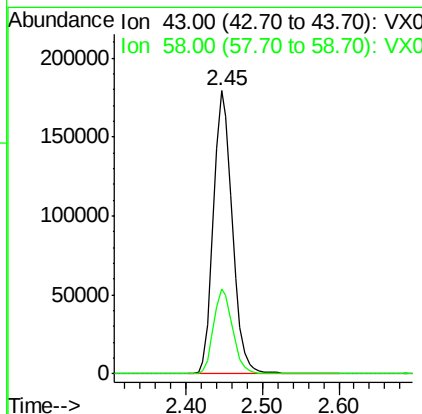
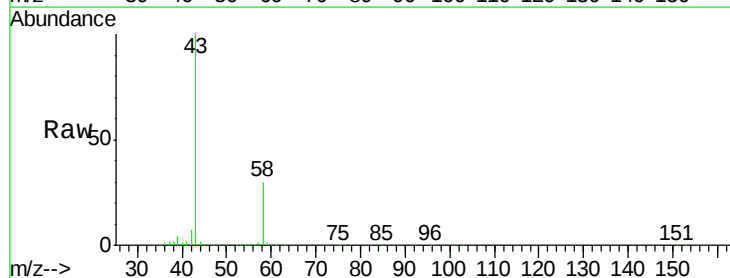
RT: 2.45 min Scan# 212

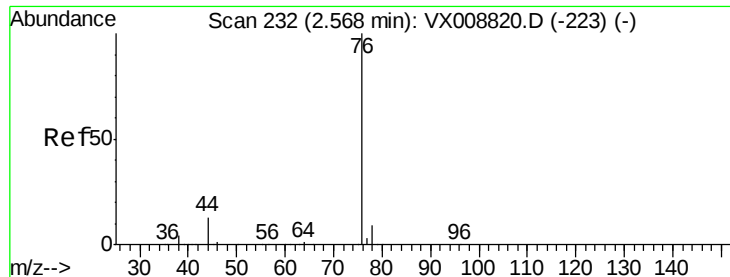
Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Tgt Ion:	43	Resp:	305580
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.8	37.2





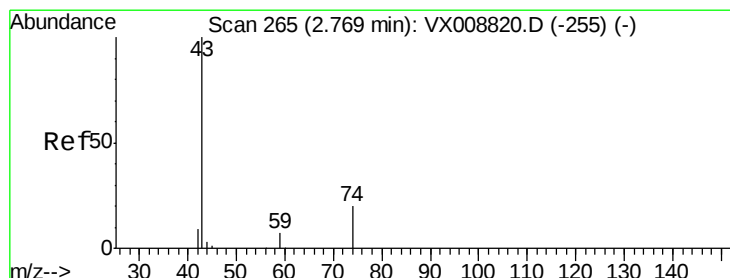
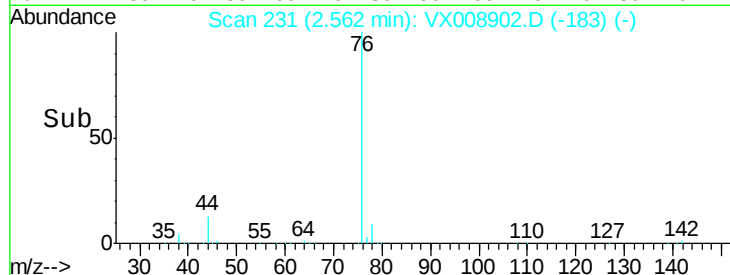
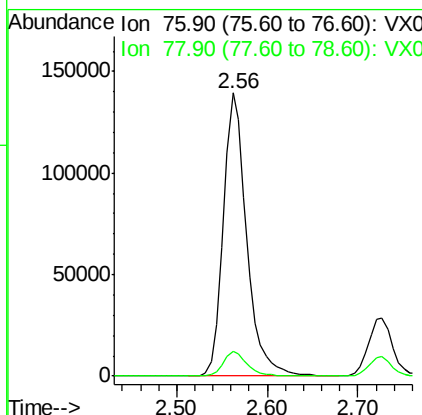
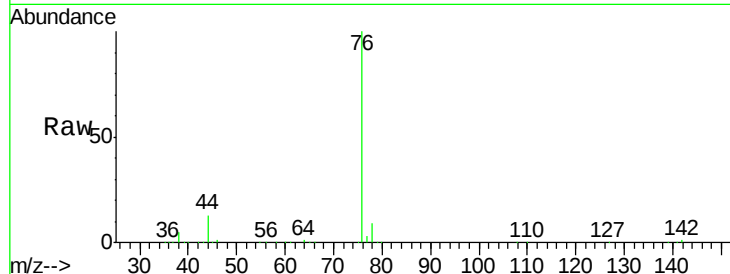
#17
Carbon Disulfide
Concen: 49.993 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 250165
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

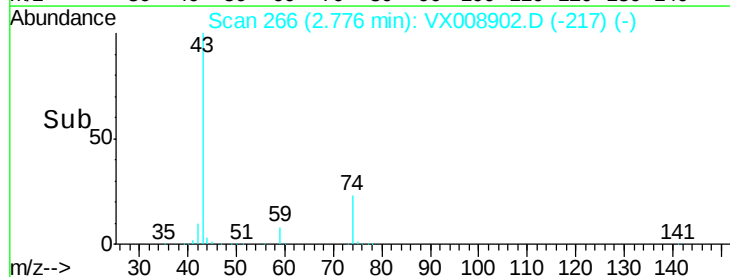
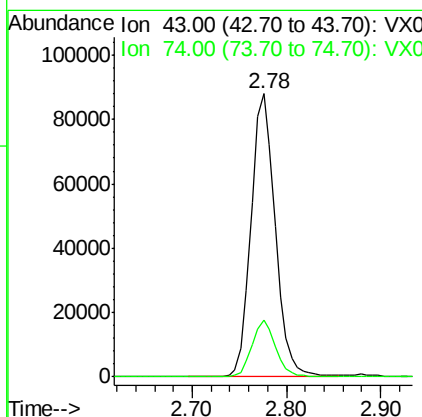
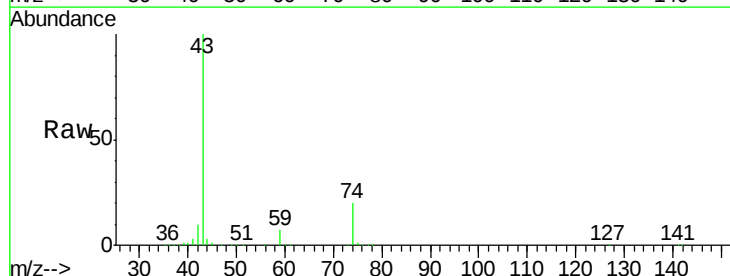
Manual Integrations
APPROVED

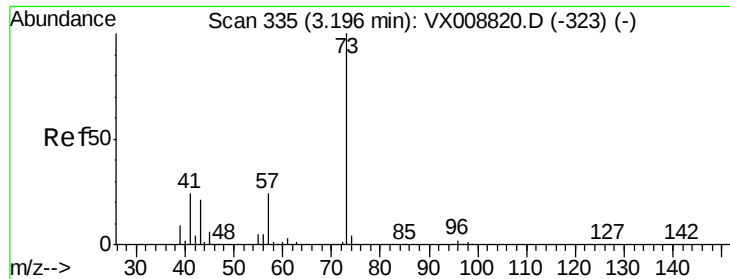
MMDadoda
4/13/2019 2:12:11 PM



#18
Methyl Acetate
Concen: 51.596 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion: 43 Resp: 157570
Ion Ratio Lower Upper
43 100
74 19.9 16.5 24.7





#19

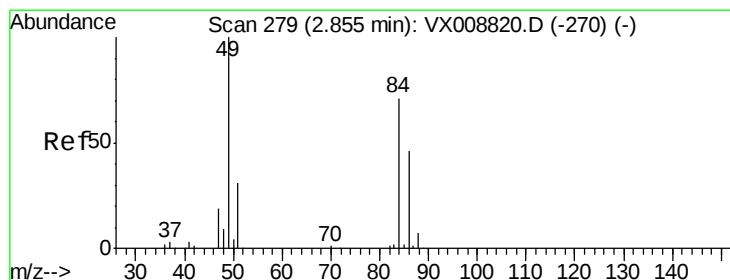
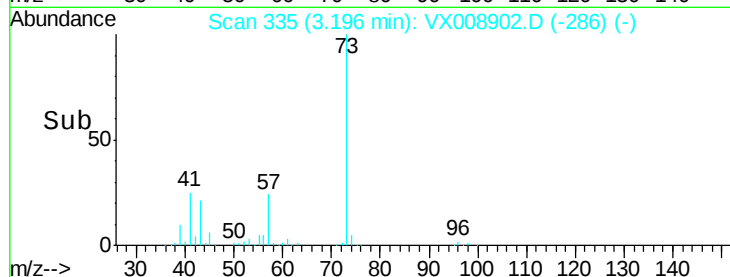
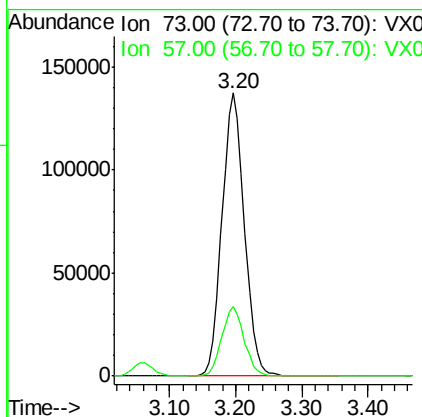
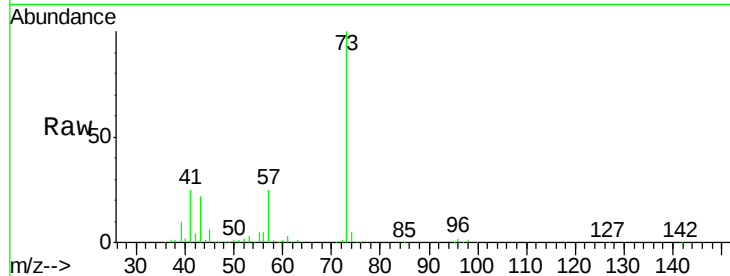
Methyl tert-butyl Ether
 Concen: 51.784 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.5	29.3

Manual Integrations
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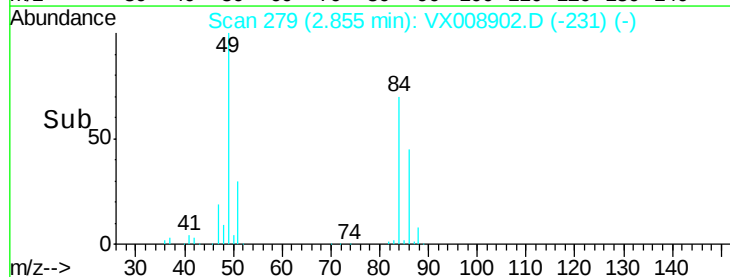
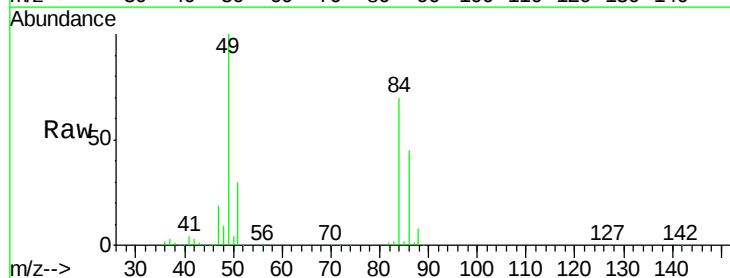
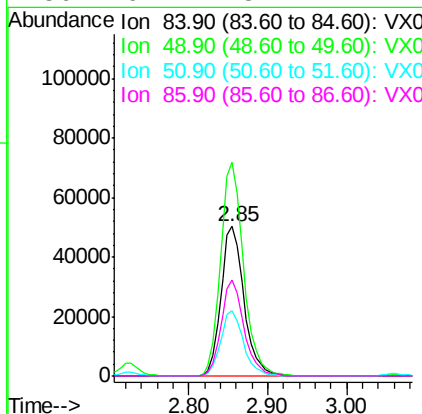
MMDadoda
 4/13/2019 2:12:11 PM

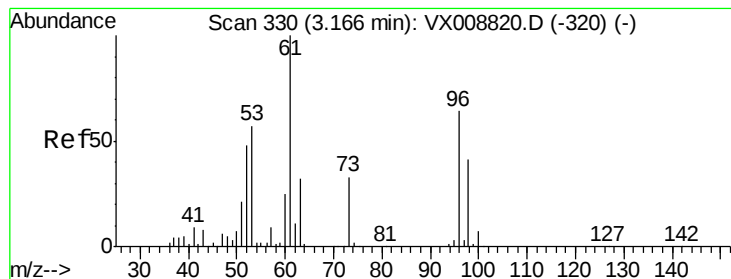


#20

Methylene Chloride
 Concen: 48.338 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.7	109.7	164.5
51	43.3	33.6	50.4
86	64.2	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 48.234 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

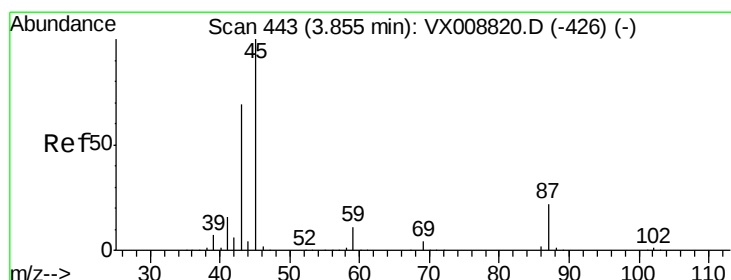
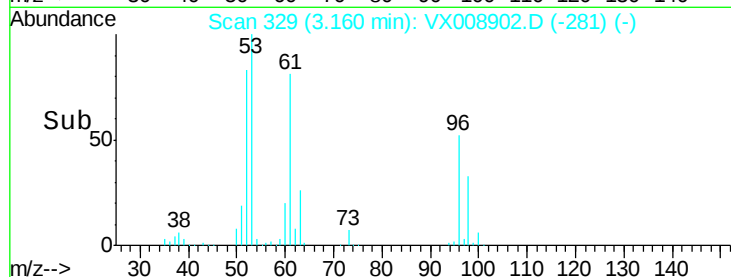
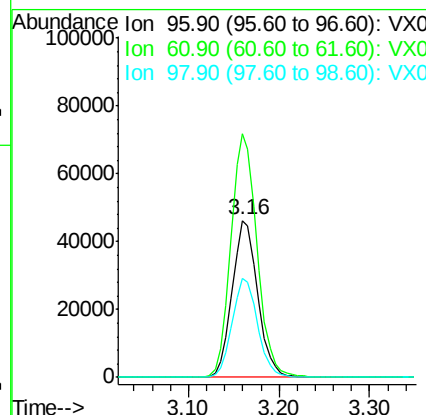
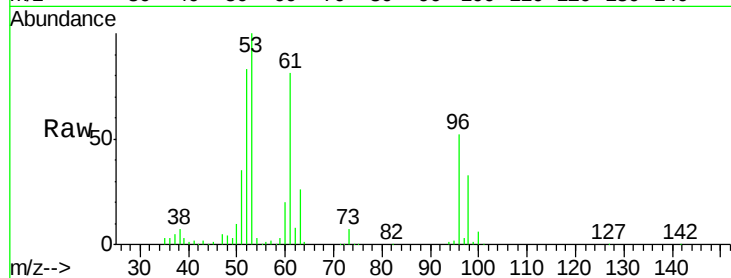
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	90407
Ion Ratio	Lower	Upper	
96	100		
61	155.1	132.1	198.1
98	63.1	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.998 ug/l

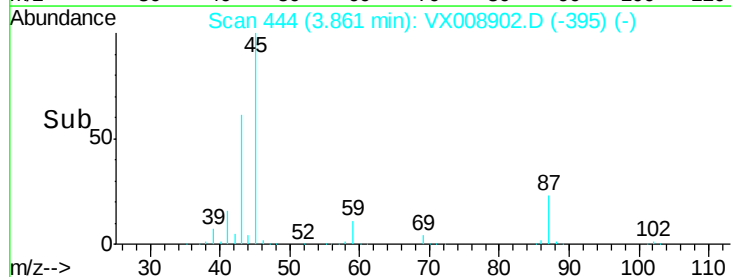
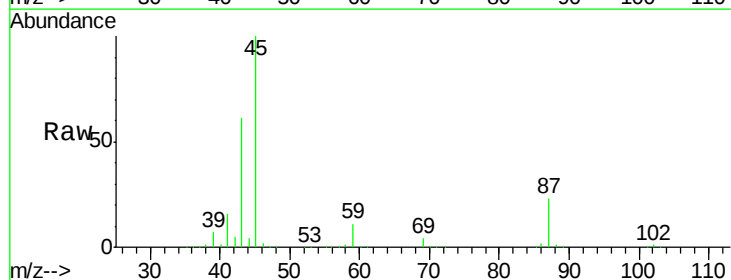
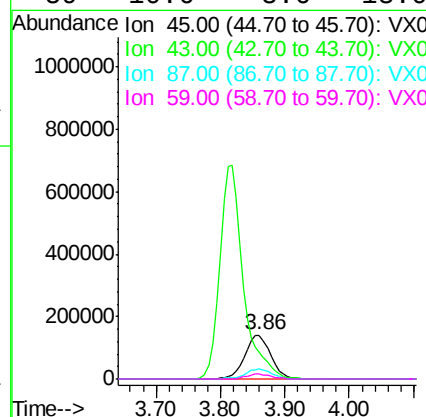
RT: 3.86 min Scan# 444

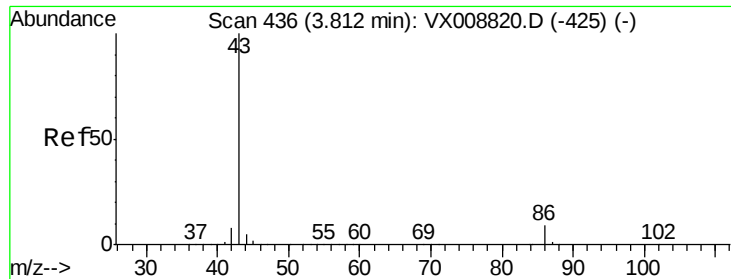
Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Tgt Ion:	45	Resp:	389923
Ion Ratio	Lower	Upper	
45	100		
43	61.3	51.3	76.9
87	22.6	18.1	27.1
59	10.6	8.6	13.0





#23

Vinyl Acetate

Concen: 265.528 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1766126

Ion Ratio Lower Upper

43 100

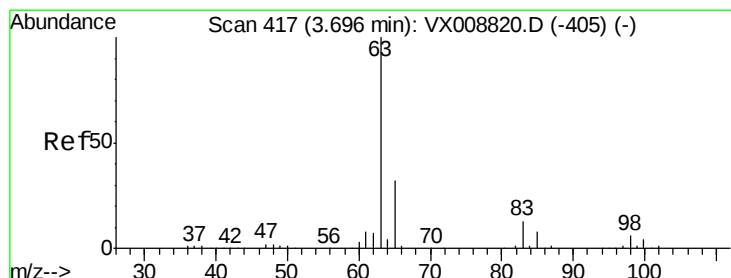
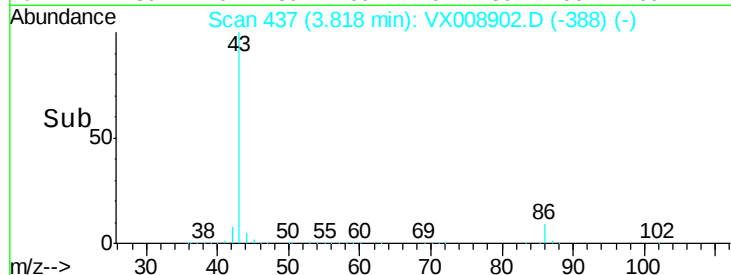
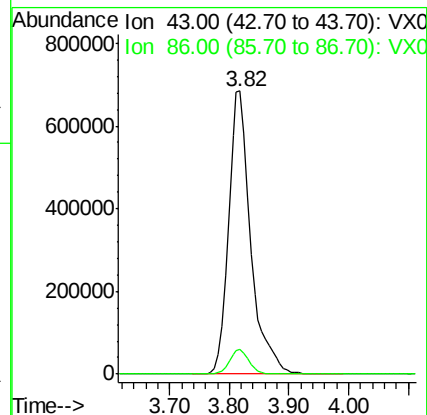
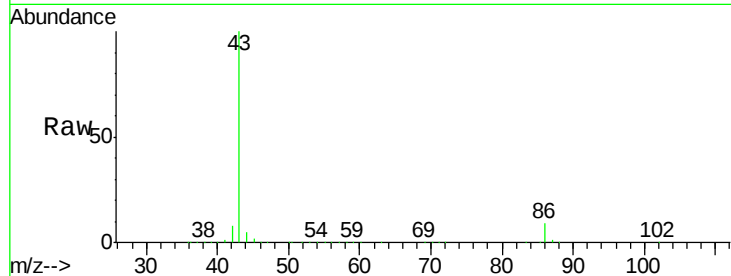
86 8.7 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.324 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

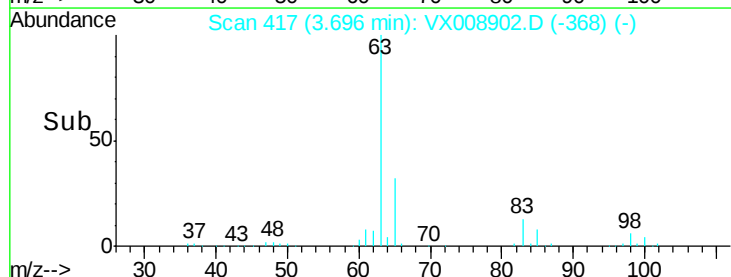
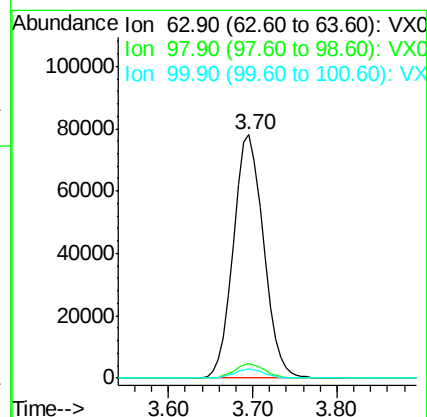
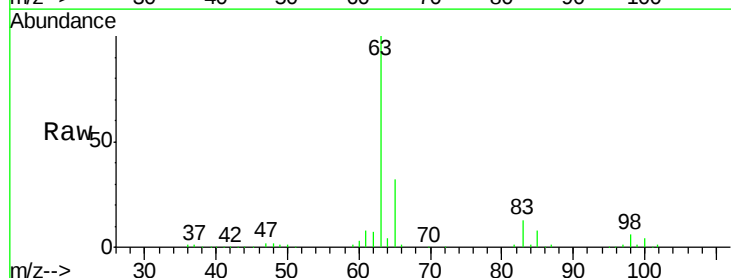
Tgt Ion: 63 Resp: 190505

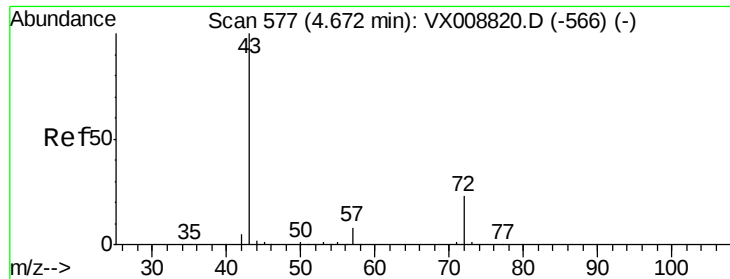
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 266.859 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 531098

Ion Ratio Lower Upper

43 100

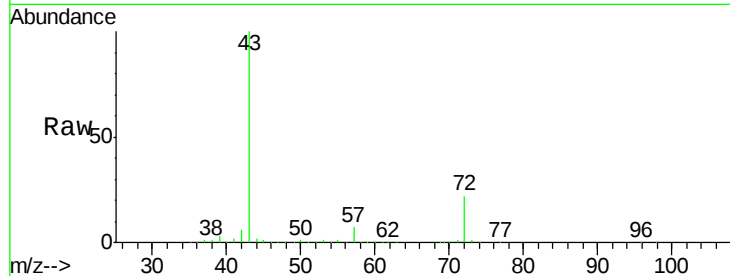
72 22.2 18.2 27.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

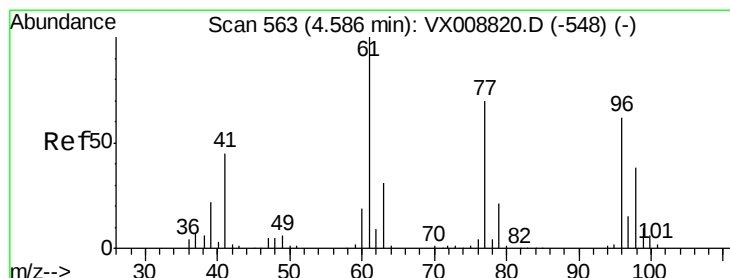
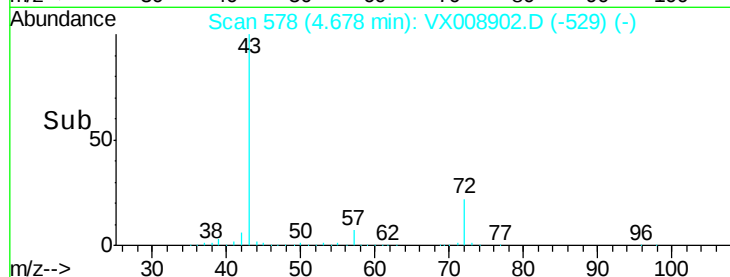
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 44.017 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008902.D

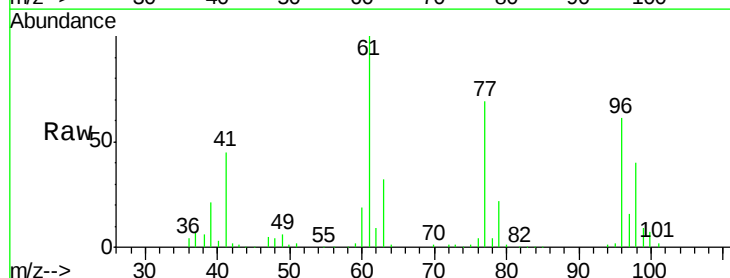
Acq: 12 Apr 2019 21:44

Tgt Ion: 77 Resp: 117359

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

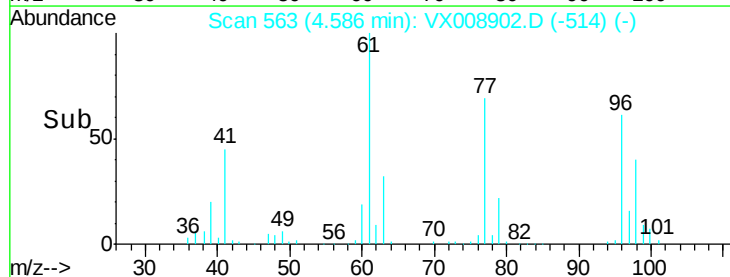
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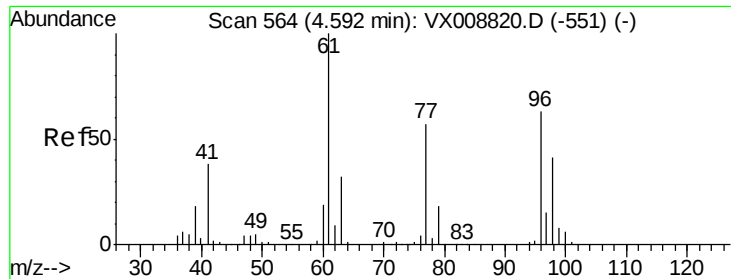
4.50

4.60

4.70

Time-->





#27

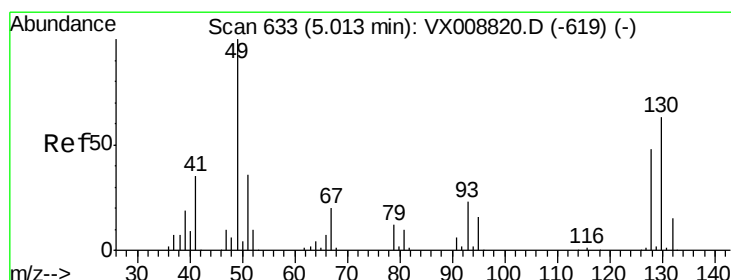
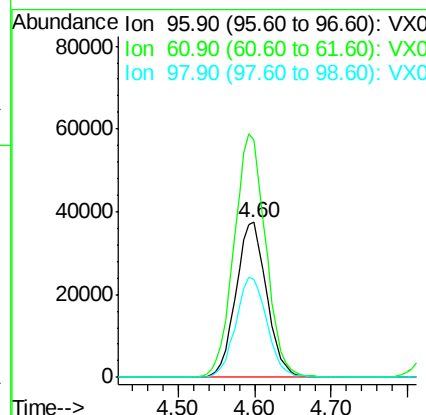
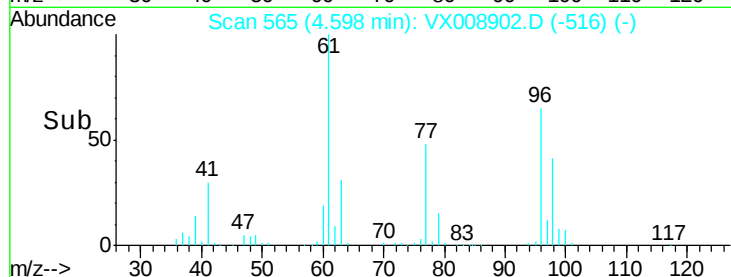
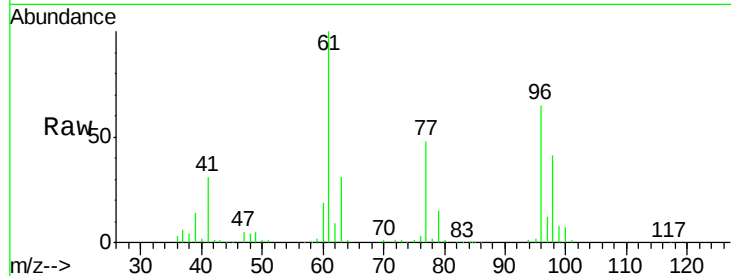
cis-1,2-Dichloroethene
Concen: 48.582 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	104693		
61	161.3	0.0	327.6	
98	65.1	0.0	128.6	

Manual Integrations
APPROVED

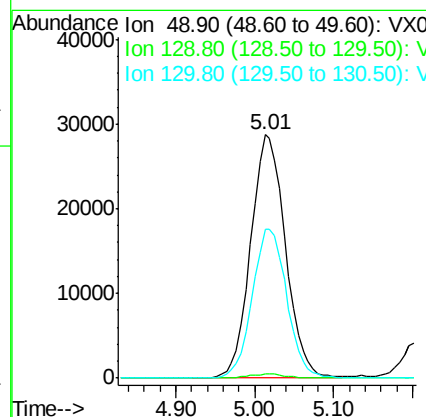
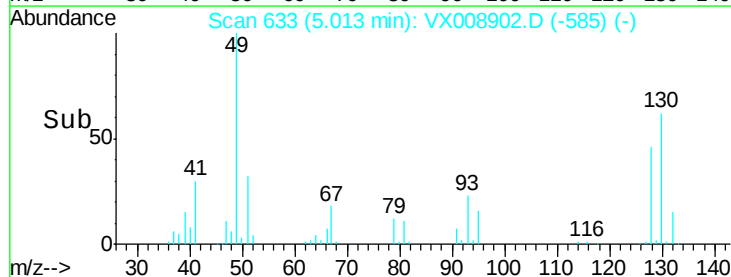
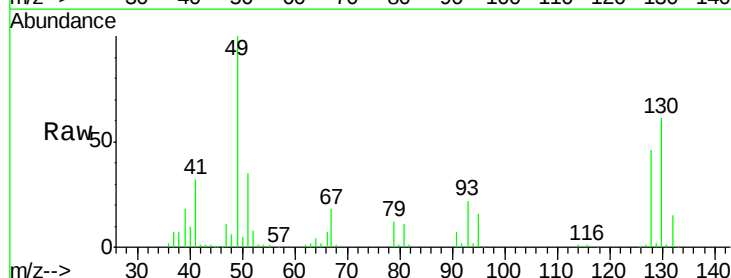
MMDadoda
4/13/2019 2:12:11 PM

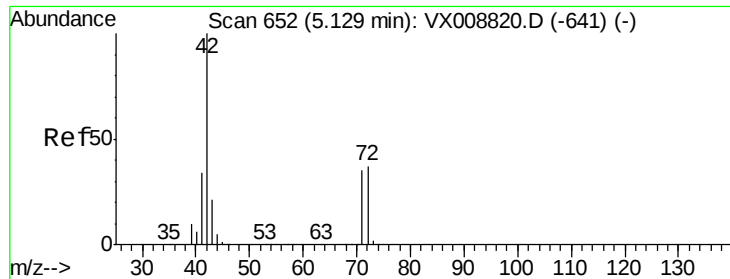


#28

Bromochloromethane
Concen: 55.963 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	87923		
129	1.7	0.0	3.6	
130	60.9	49.3	73.9	





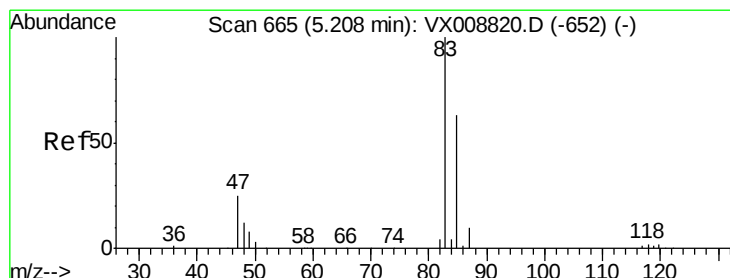
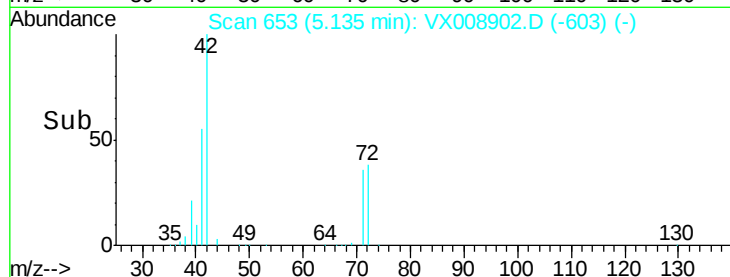
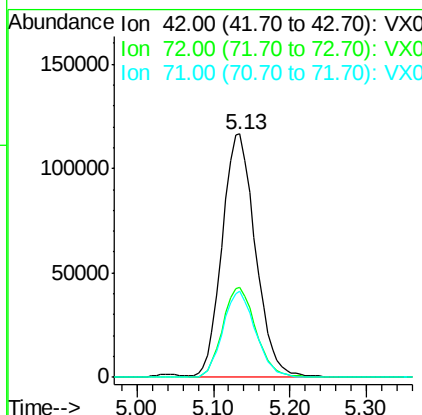
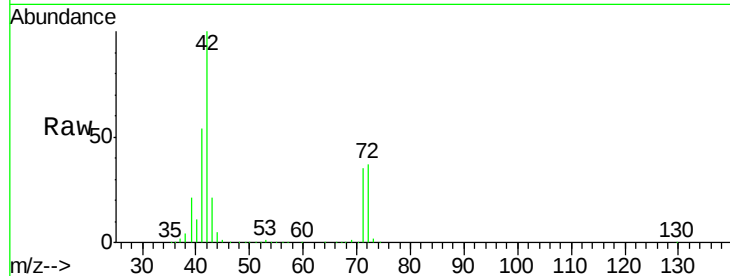
#29
Tetrahydrofuran
Concen: 265.160 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.5	45.7
71	35.1	28.6	43.0

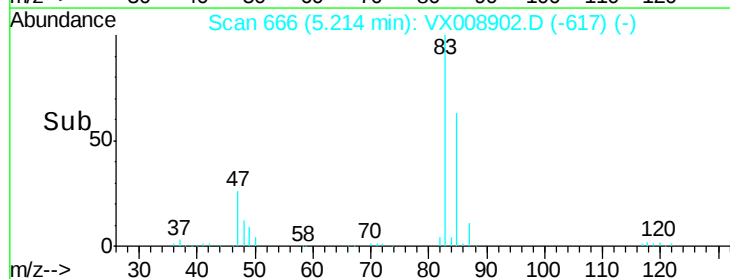
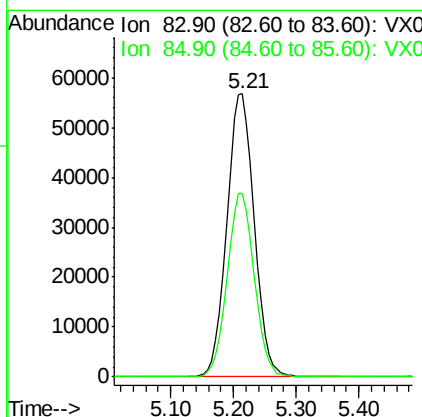
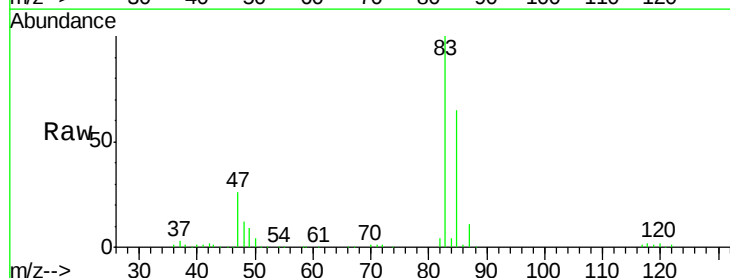
Manual Integrations
APPROVED

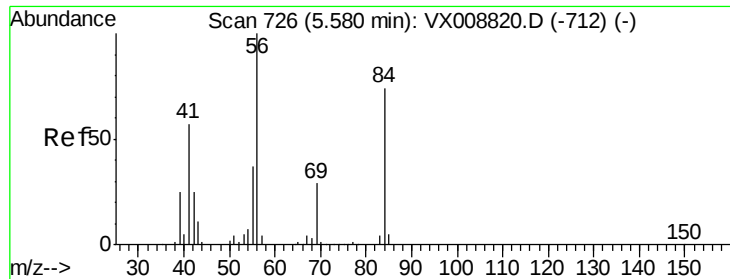
MMDadoda
4/13/2019 2:12:11 PM



#30
Chloroform
Concen: 50.654 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.1	78.1





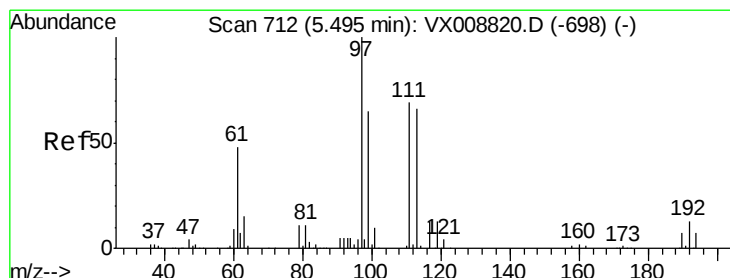
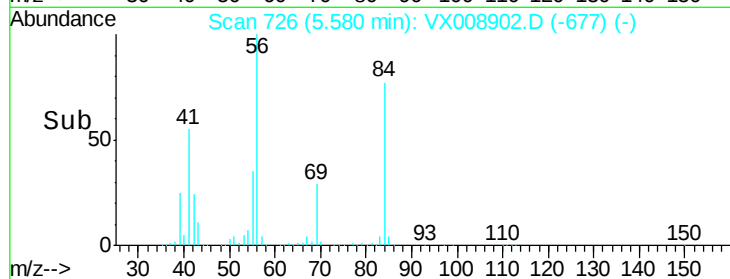
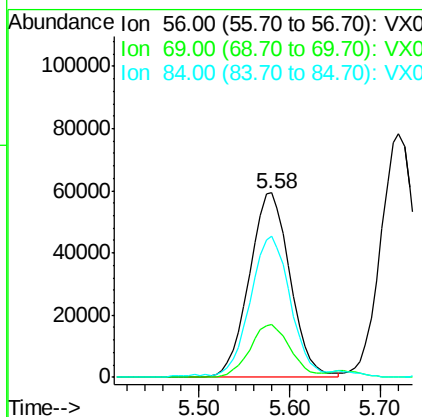
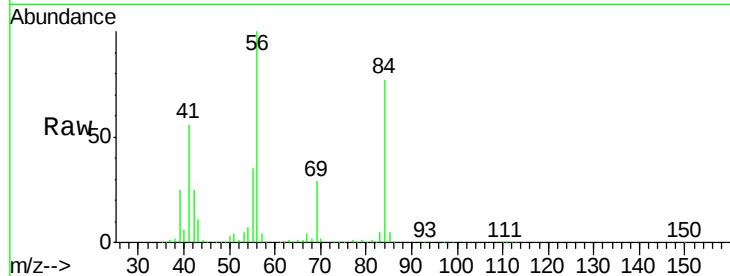
#31
Cyclohexane
Concen: 48.965 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.8	22.6	33.8
84	75.7	59.3	88.9

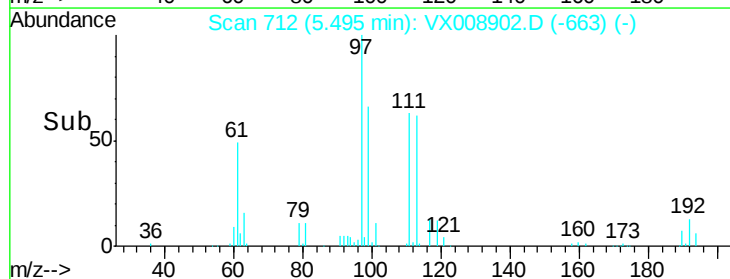
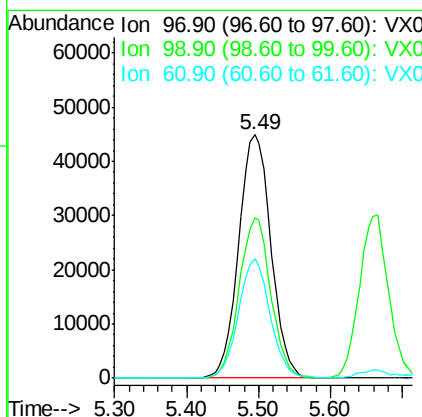
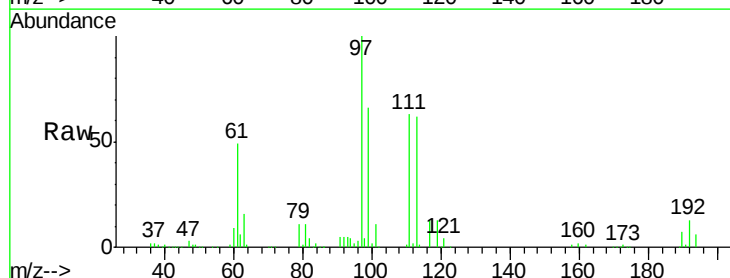
Manual Integrations
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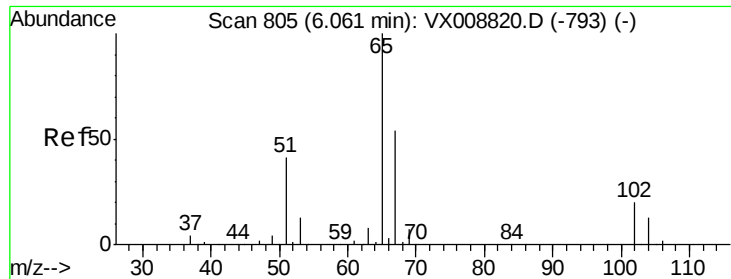
MMDadoda
4/13/2019 2:12:11 PM



#32
1,1,1-Trichloroethane
Concen: 51.252 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	48.0	38.9	58.3





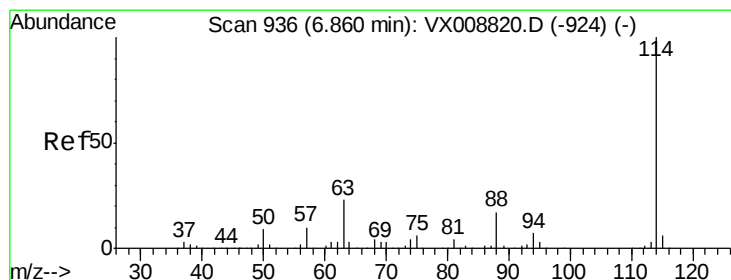
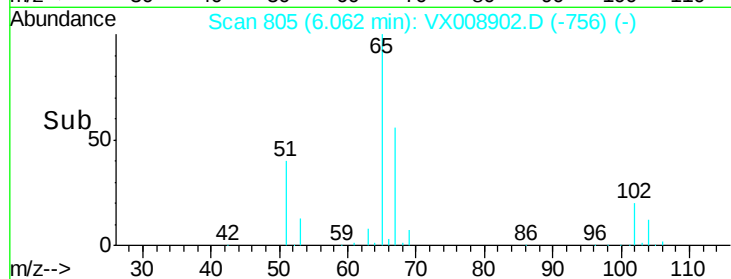
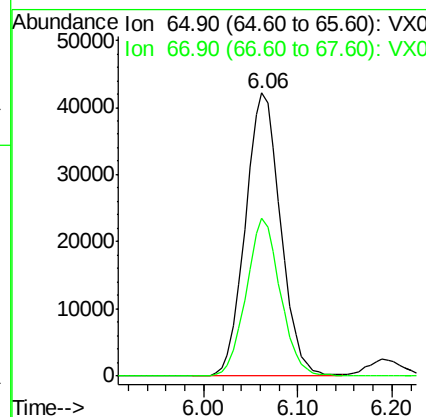
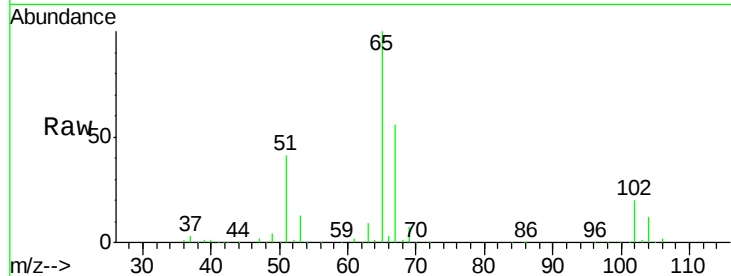
#33
 1,2-Dichloroethane-d4
 Concen: 50.435 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 110262
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.2

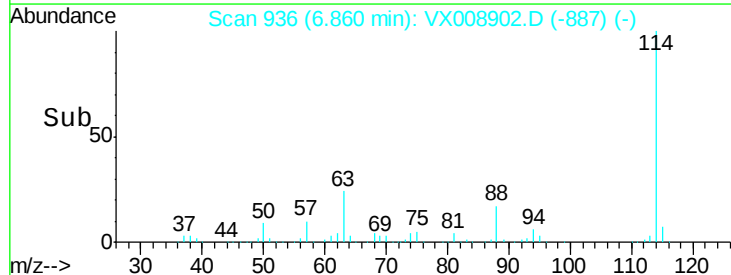
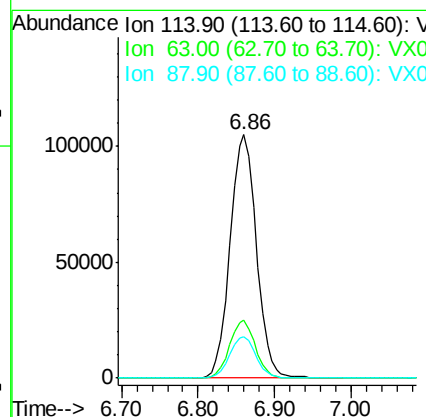
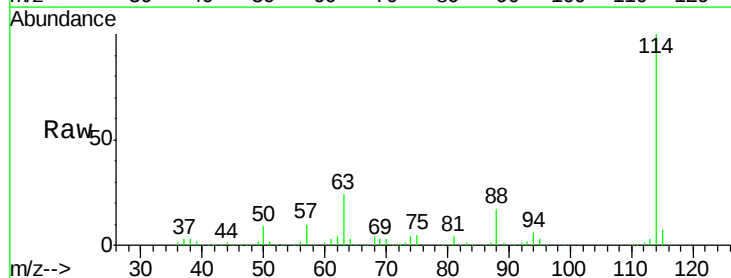
Manual Integrations
 APPROVED

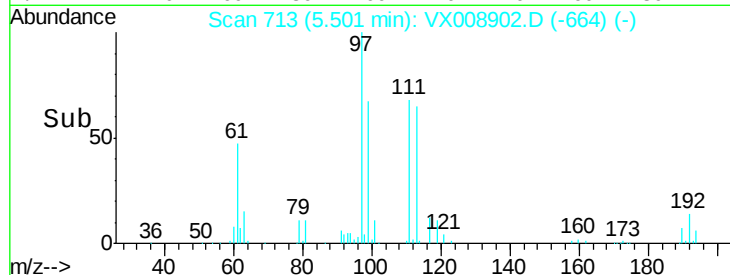
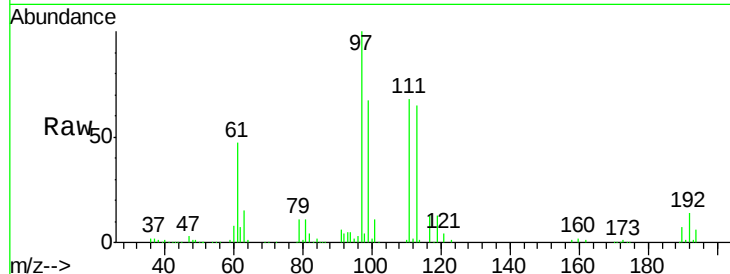
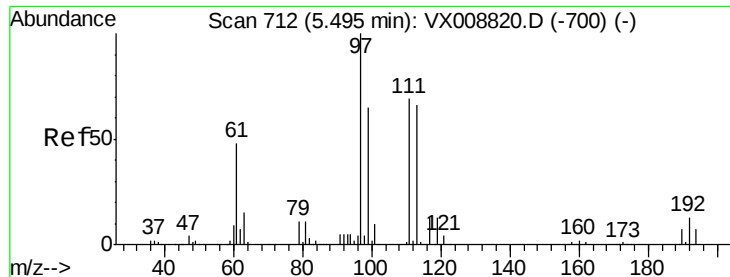
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 4/13/2019 2:12:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion: 114 Resp: 250028
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.2
 88 17.0 0.0 34.0





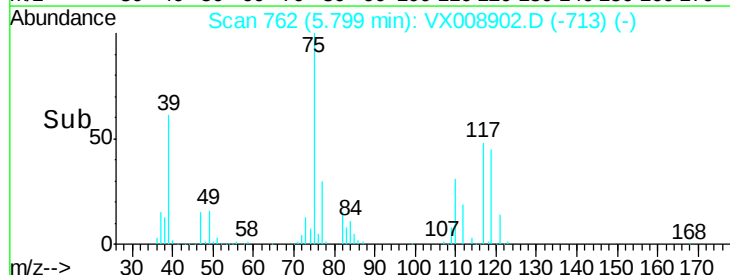
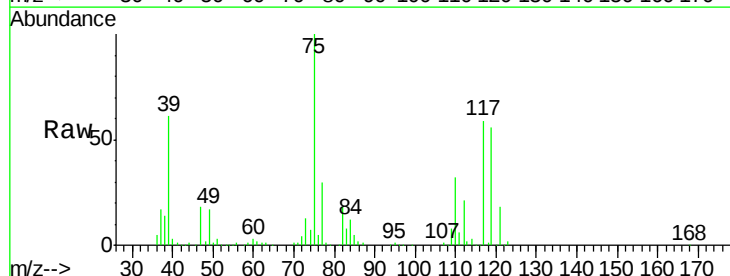
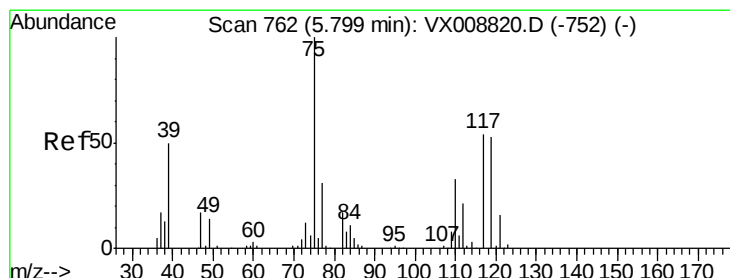
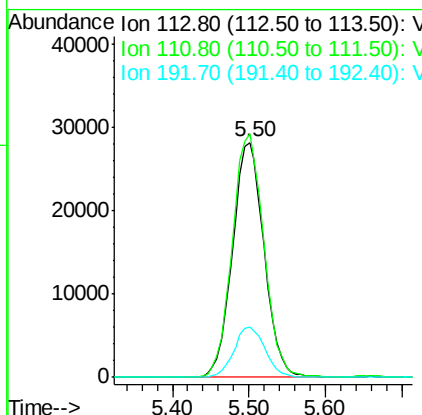
#35
 Dibromofluoromethane
 Concen: 50.280 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	80377		
111	104.7	83.4	125.2	
192	21.3	16.1	24.1	

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

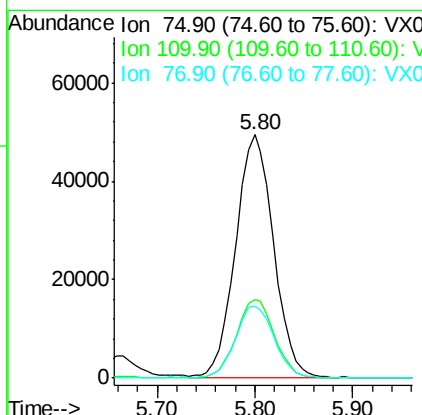
Manual Integrations
 APPROVED

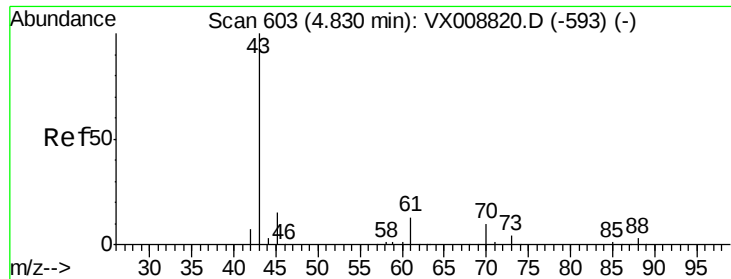
MMDadoda
 4/13/2019 2:12:11 PM



#36
 1,1-Dichloropropene
 Concen: 48.264 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131909		
110	32.8	16.4	49.2	
77	30.9	24.7	37.1	





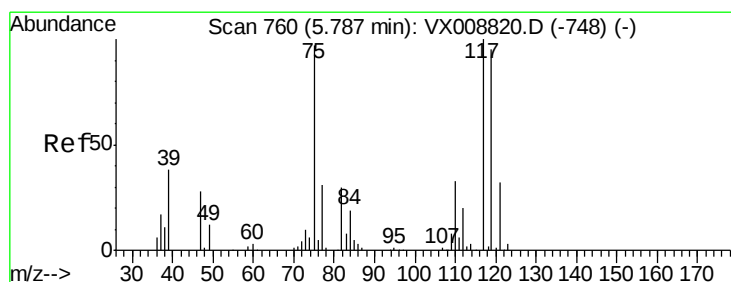
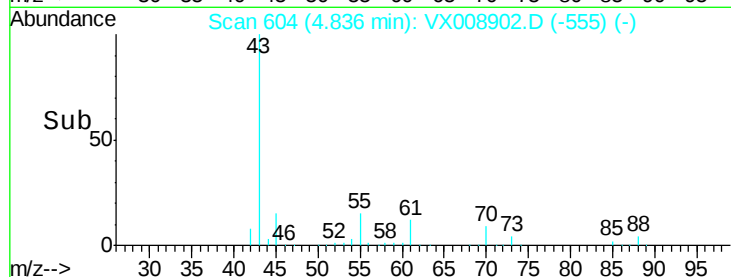
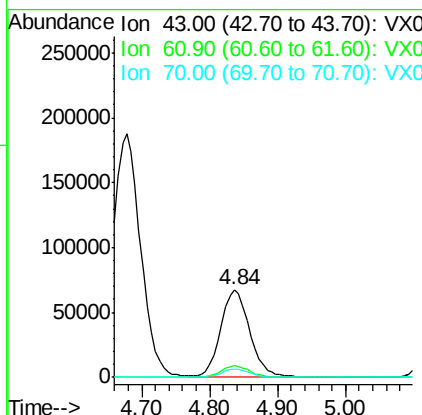
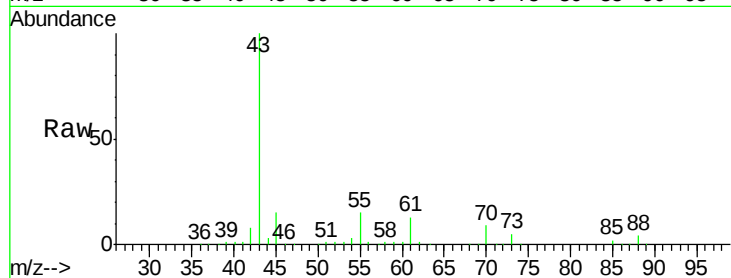
#37
Ethyl Acetate
Concen: 54.402 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	9.3	7.6	11.4

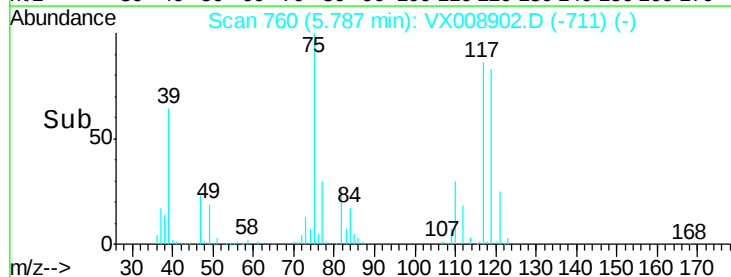
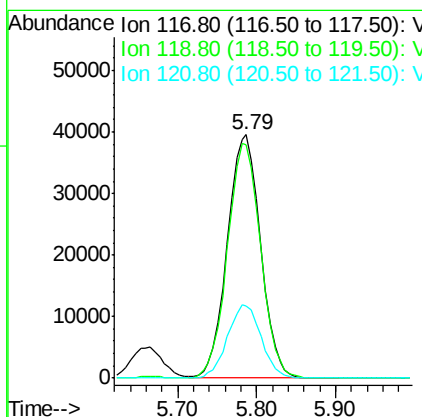
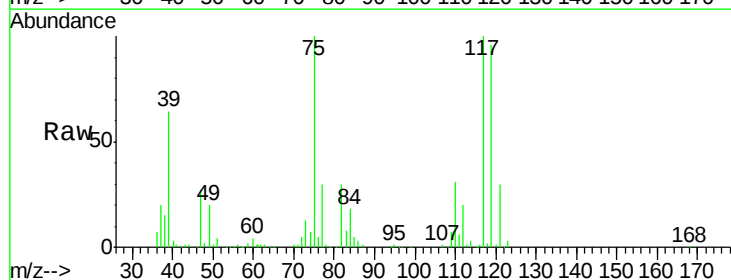
Manual Integrations
APPROVED

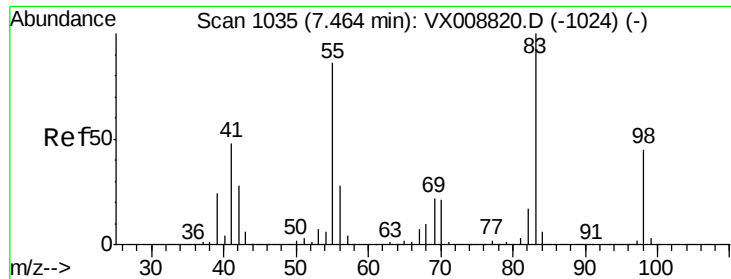
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#38
Carbon Tetrachloride
Concen: 51.269 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.0	112.6
121	29.5	24.3	36.5





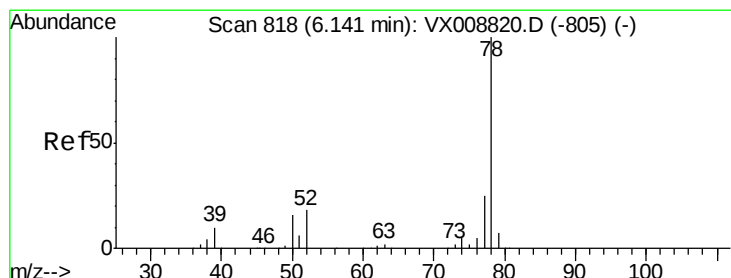
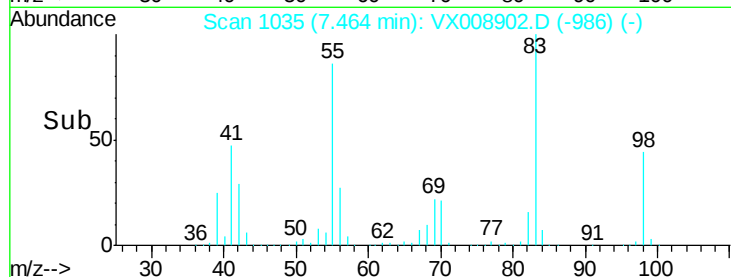
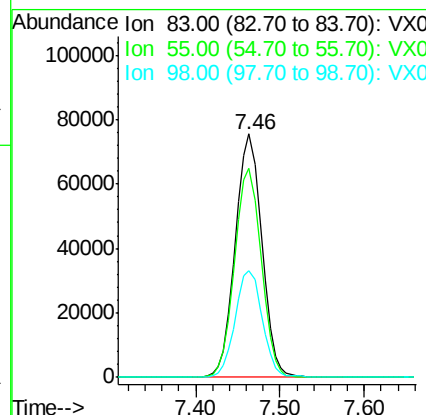
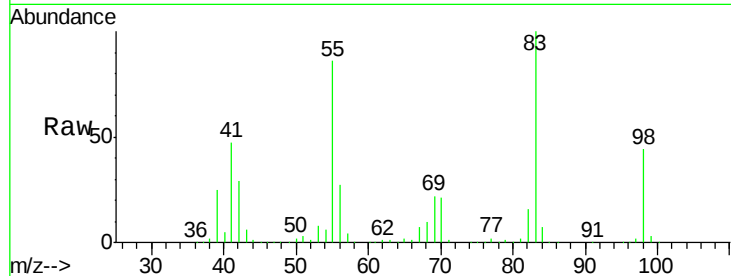
#39
Methylcyclohexane
Concen: 47.549 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.6	69.0	103.6
98	43.8	34.4	51.6

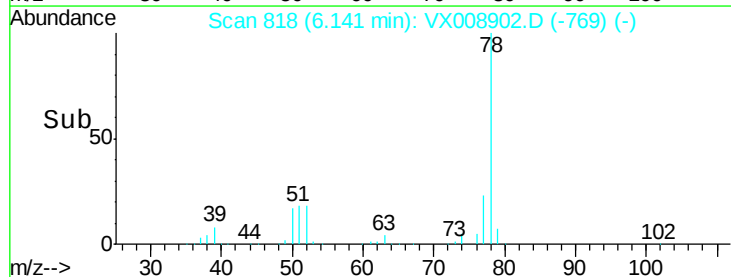
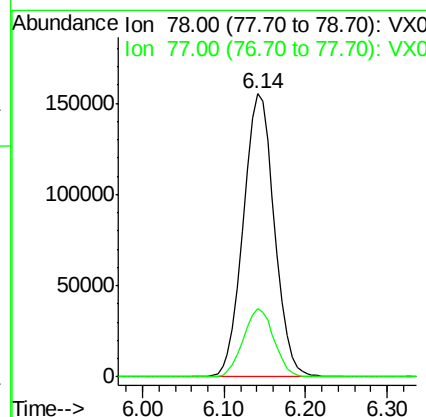
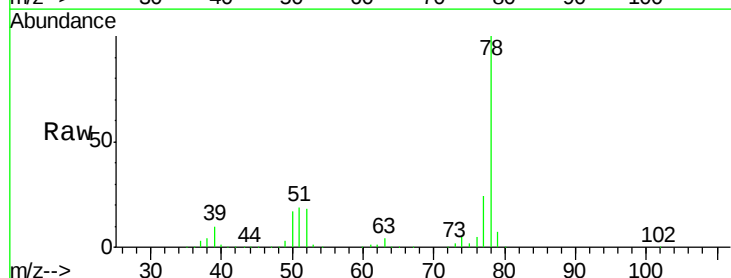
Manual Integrations
APPROVED

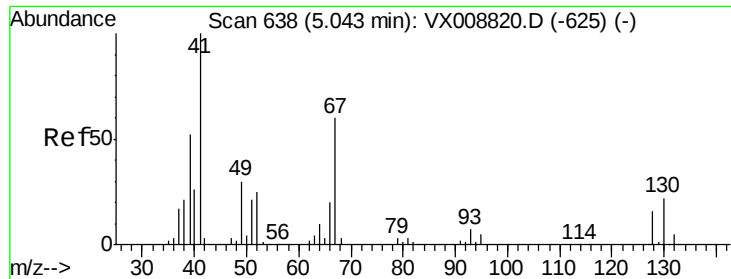
MMDadoda
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#40
Benzene
Concen: 50.371 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





#41

Methacrylonitrile

Concen: 52.471 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

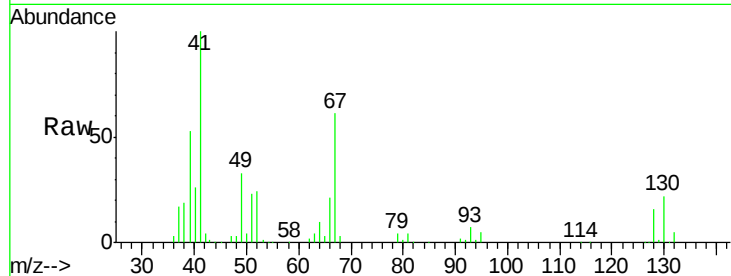
ClientSampleId :

VSTDCCC050

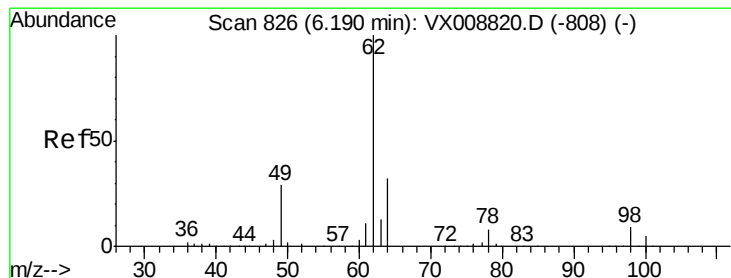
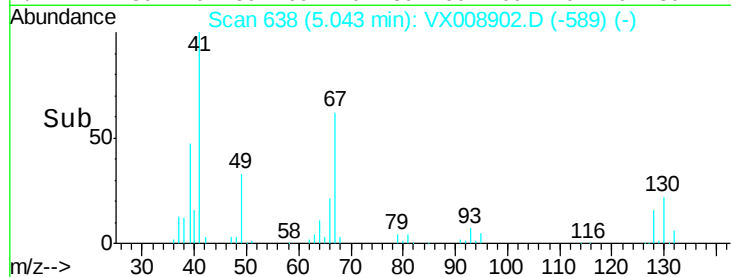
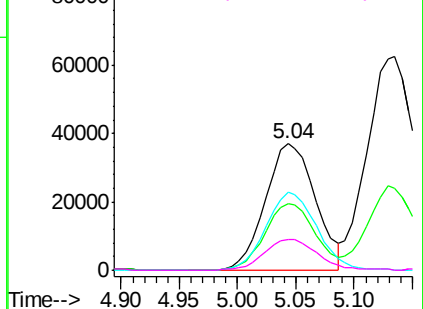
Tgt Ion:	41	Resp:	110029
Ion	Ratio	Lower	Upper
41	100		
39	52.6	42.1	63.1
67	62.8	51.0	76.6
52	25.7	21.4	32.0

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



#42

1,2-Dichloroethane

Concen: 49.952 ug/l

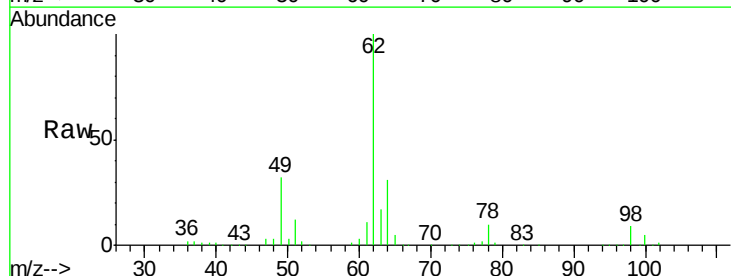
RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

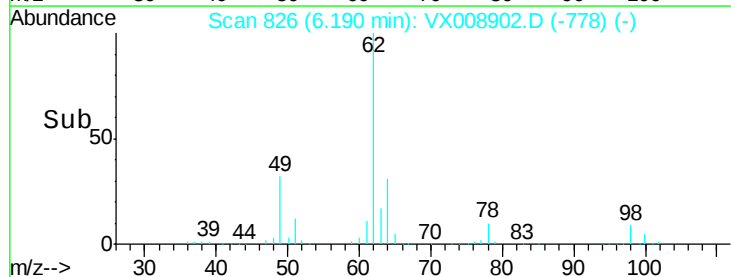
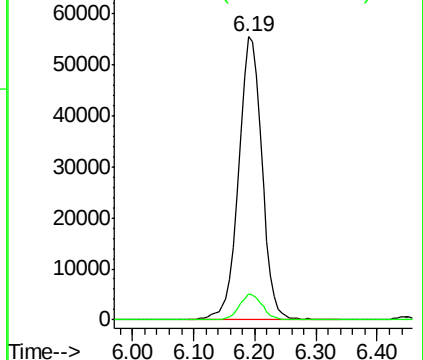
Lab File: VX008902.D

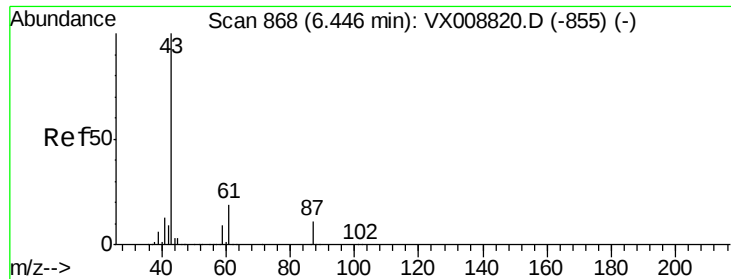
Acq: 12 Apr 2019 21:44

Tgt Ion:	62	Resp:	145807
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.0



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





#43

Isopropyl Acetate

Concen: 53.740 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

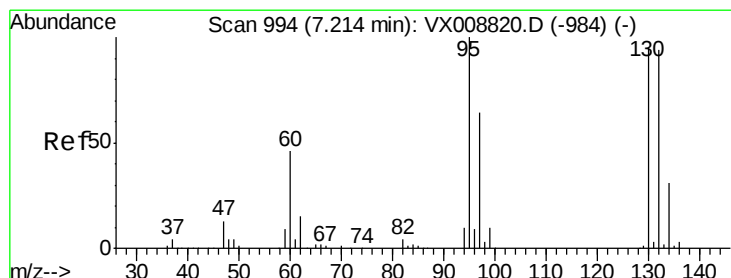
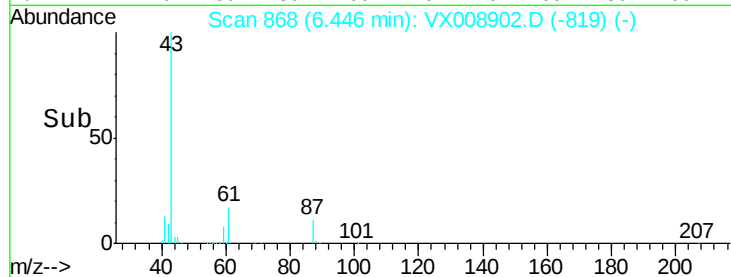
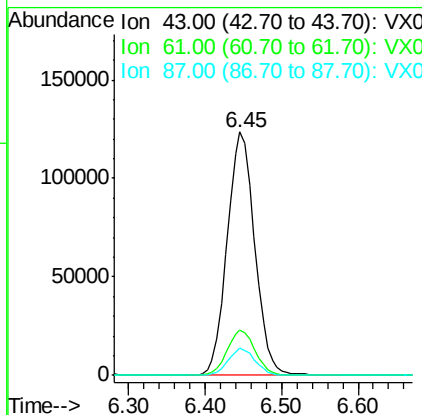
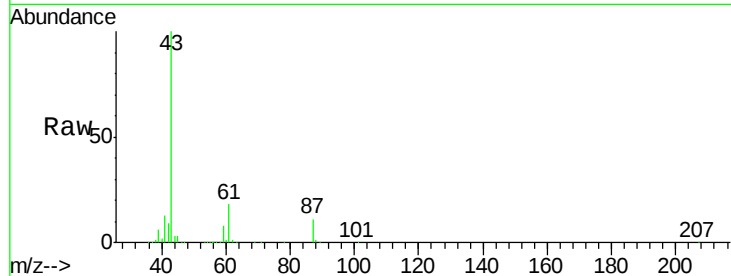
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	307109
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.3	22.9
87	11.0	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 50.335 ug/l

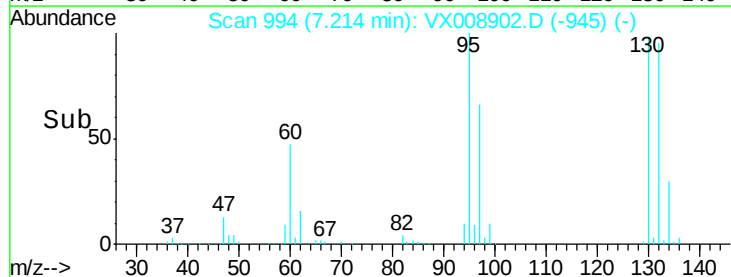
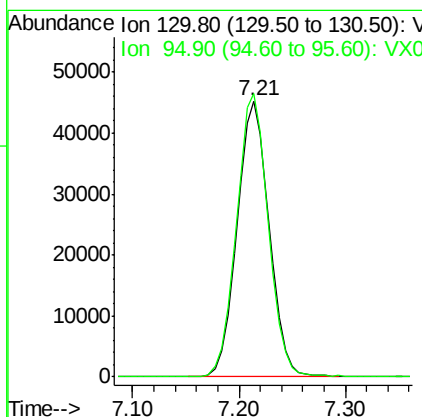
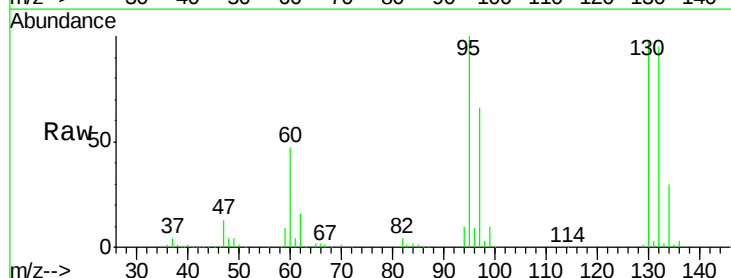
RT: 7.21 min Scan# 994

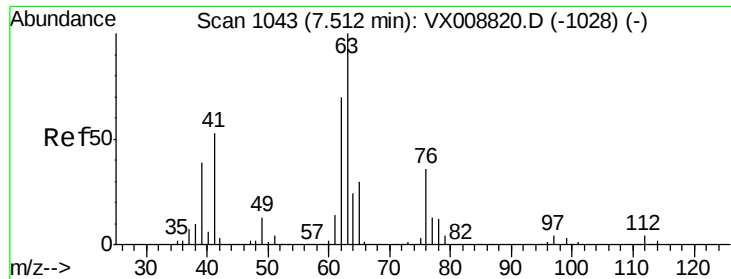
Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Tgt Ion:	130	Resp:	95453
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	209.8





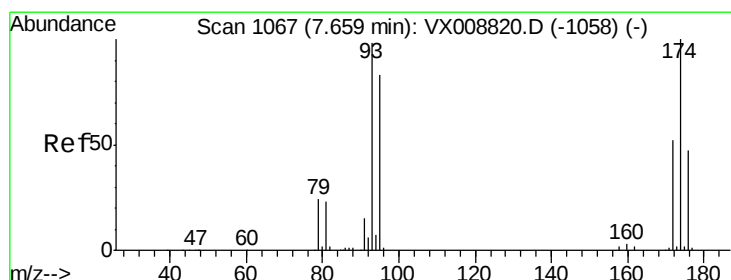
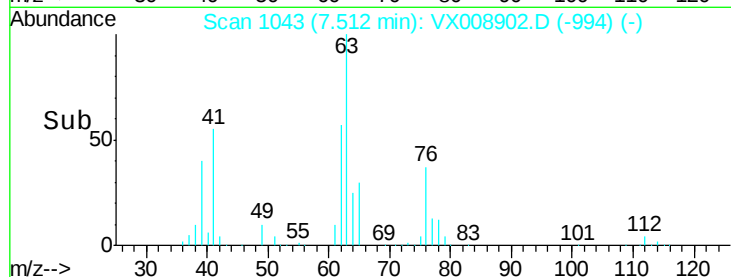
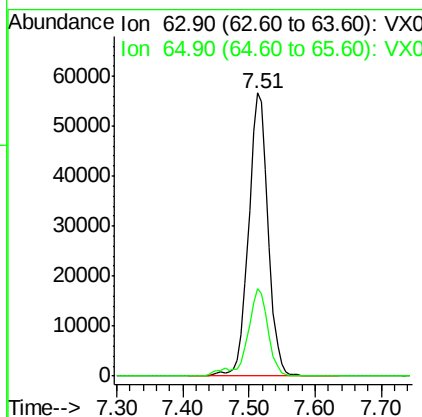
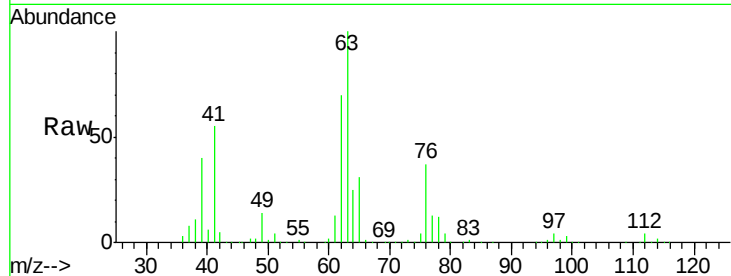
#45
 1,2-Dichloropropane
 Concen: 50.401 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 117130
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.2 36.4

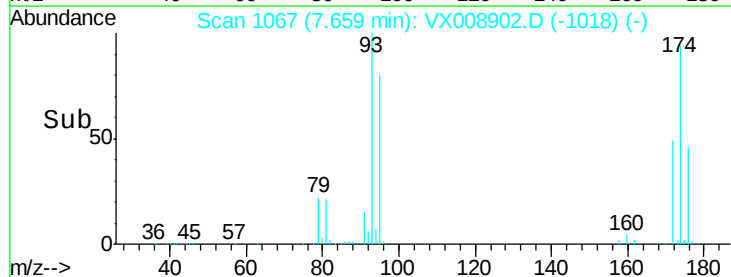
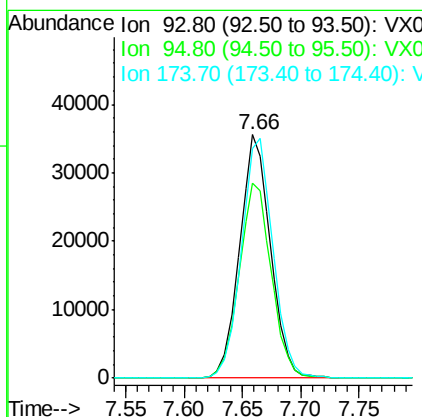
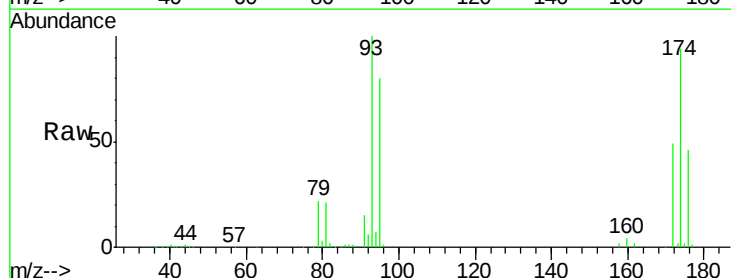
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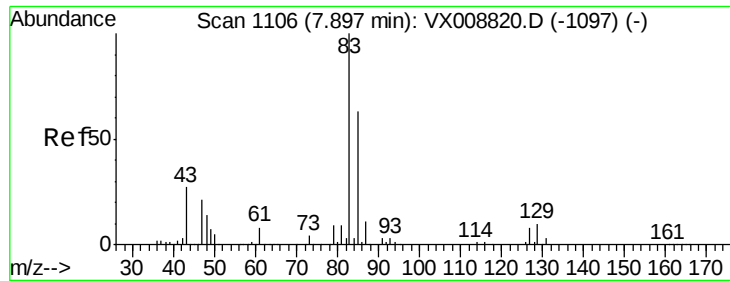
MMDadoda
 4/13/2019 2:12:11 PM



#46
 Dibromomethane
 Concen: 48.870 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion: 93 Resp: 65869
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 99.8
 174 100.9 77.7 116.5





#47

Bromodichloromethane

Concen: 51.469 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

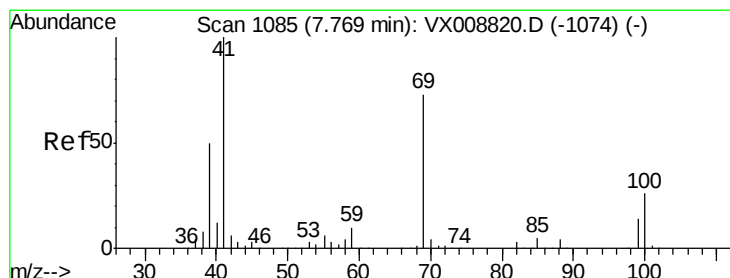
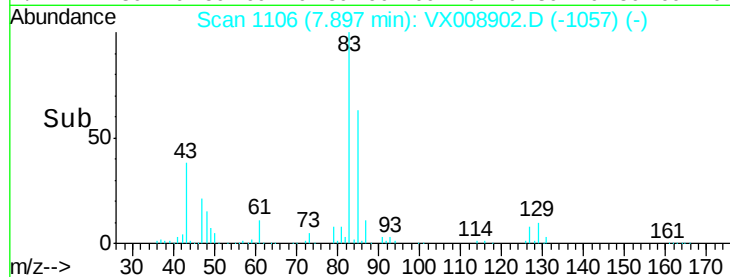
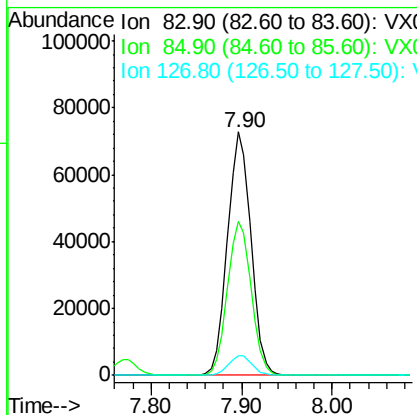
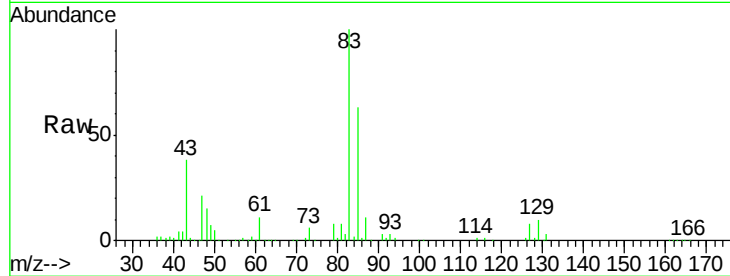
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	130801
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.2	76.8
127	7.9	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.590 ug/l

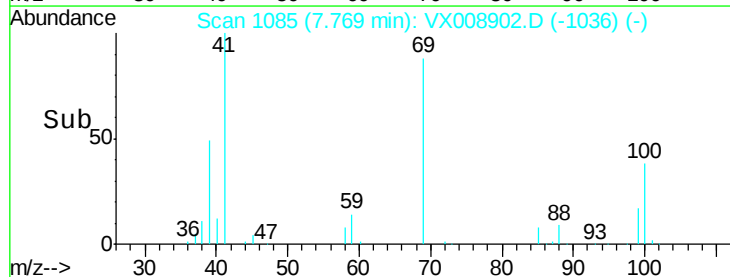
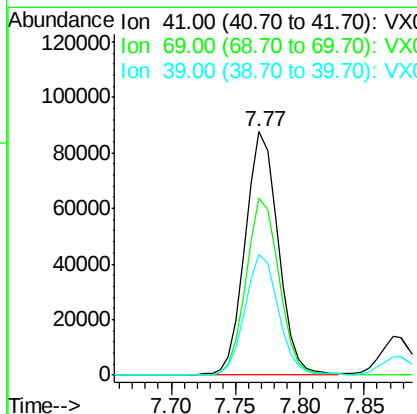
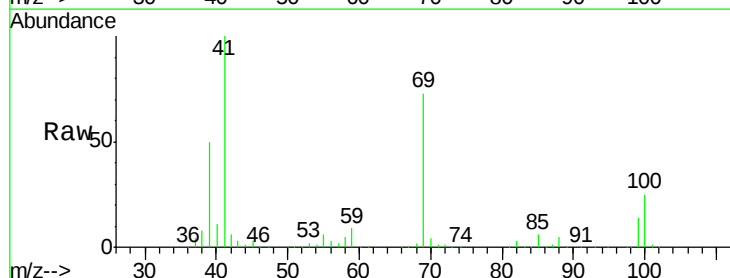
RT: 7.77 min Scan# 1085

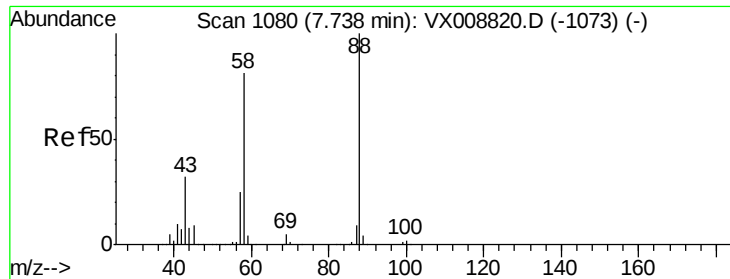
Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Tgt Ion:	41	Resp:	154918
Ion Ratio	Lower	Upper	
41	100		
69	73.2	59.0	88.4
39	50.3	41.0	61.4





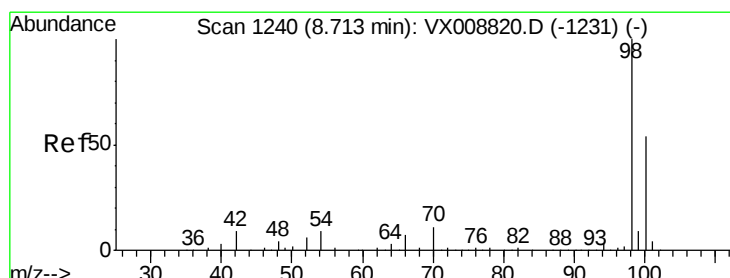
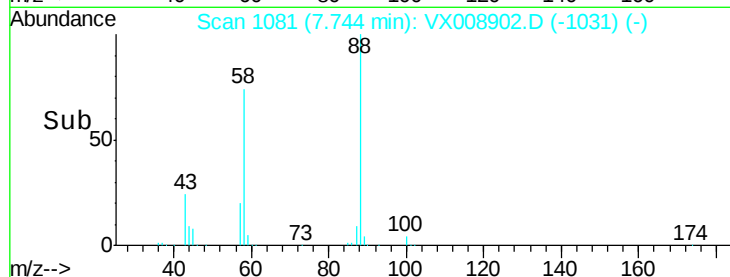
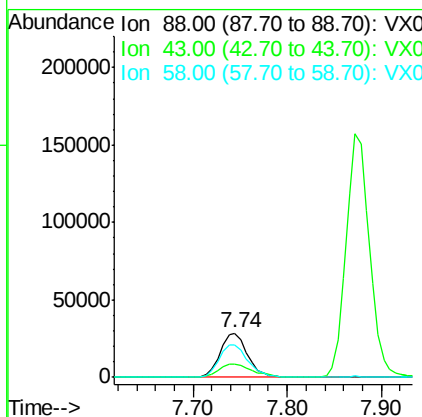
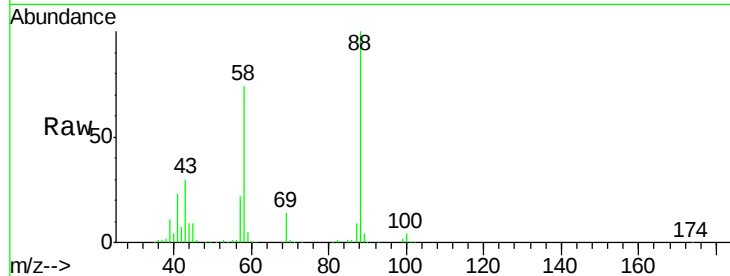
#49
1,4-Dioxane
Concen: 1053.618 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.6	43.0
58	79.9	62.2	93.2

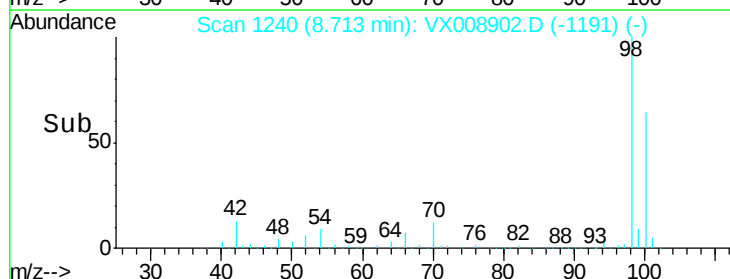
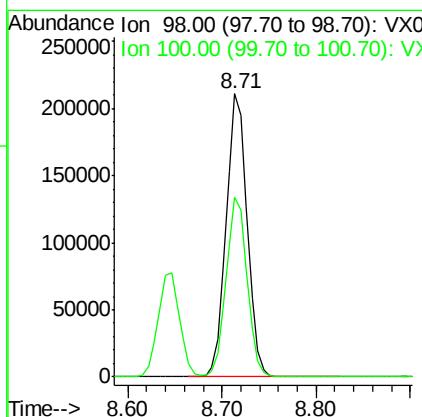
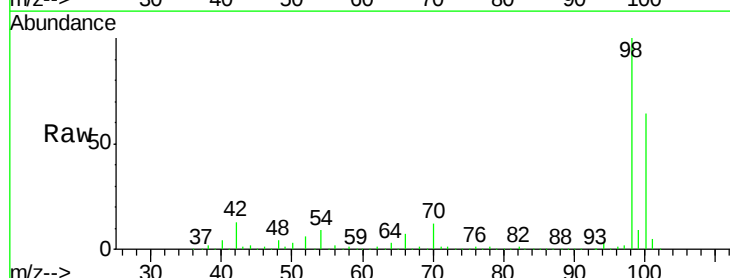
Manual Integrations
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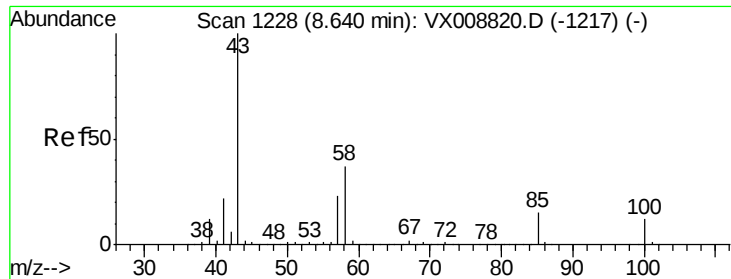
MMDadoda
4/13/2019 2:12:11 PM



#50
Toluene-d8
Concen: 51.089 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.4	77.0





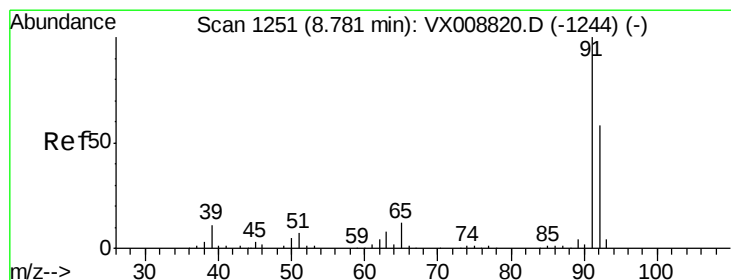
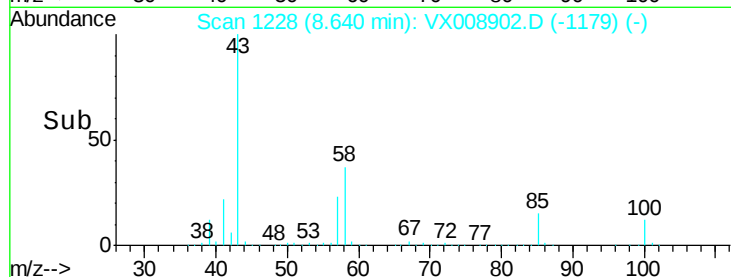
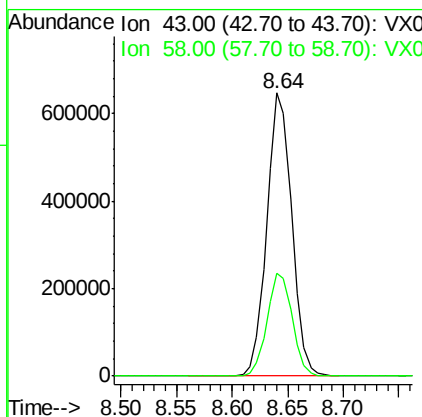
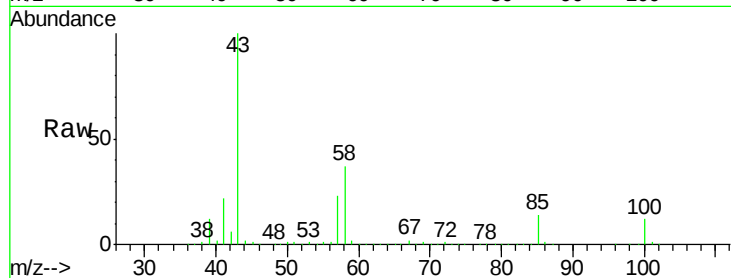
#51
4-Methyl-2-Pentanone
Concen: 275.666 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1014107
Ion Ratio Lower Upper
43 100
58 36.7 29.5 44.3

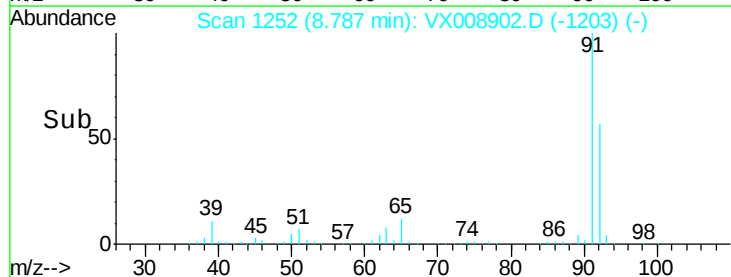
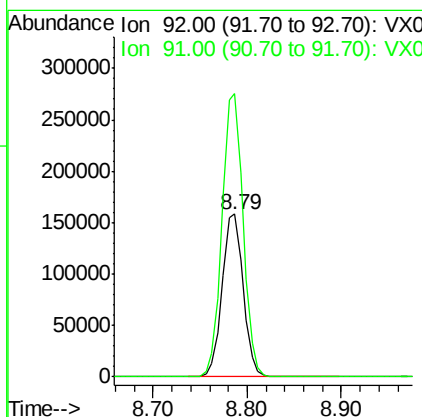
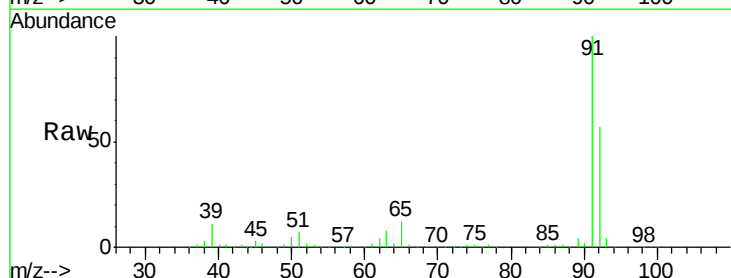
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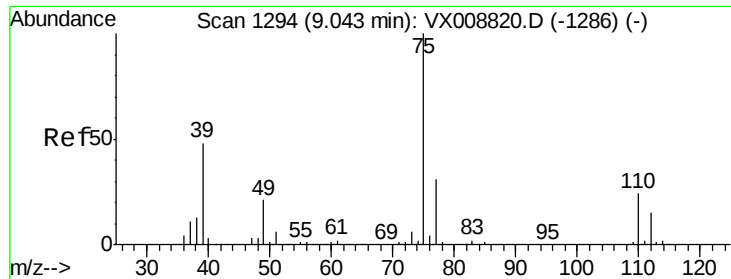
MMDadoda
4/13/2019 2:12:11 PM



#52
Toluene
Concen: 50.989 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion: 92 Resp: 244755
Ion Ratio Lower Upper
92 100
91 174.1 138.5 207.7





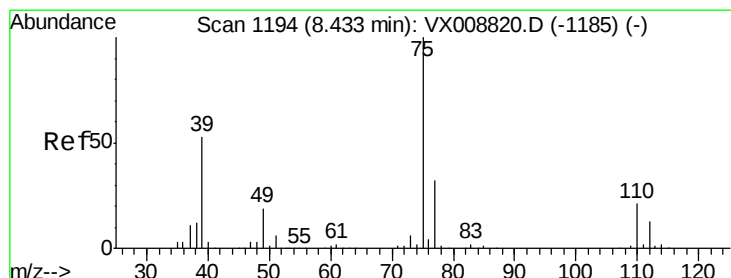
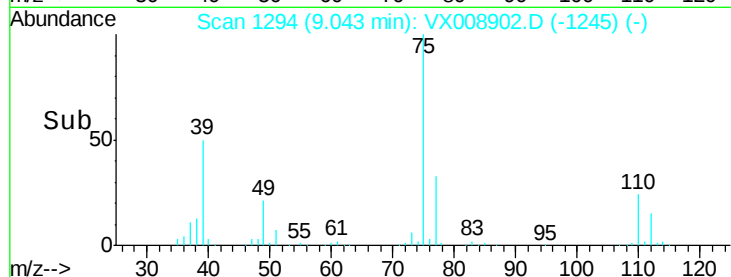
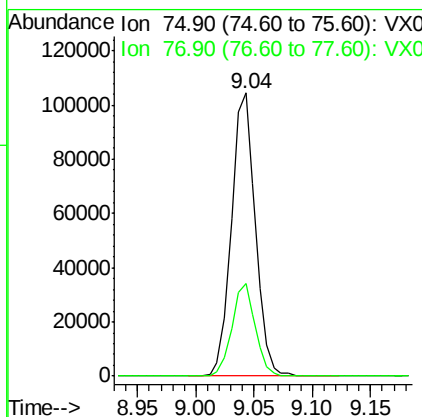
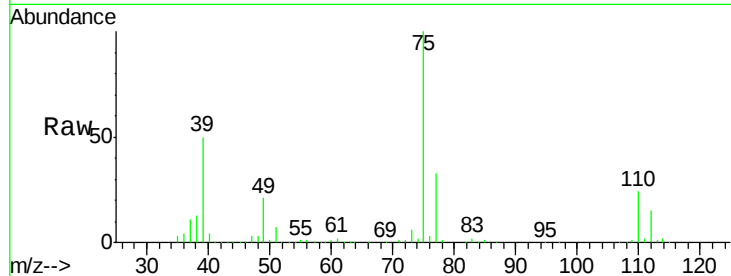
#53
t-1,3-Dichloropropene
Concen: 52.476 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 149388
Ion Ratio Lower Upper
75 100
77 32.7 25.2 37.8

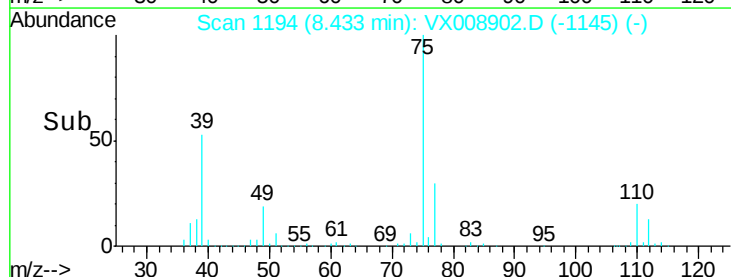
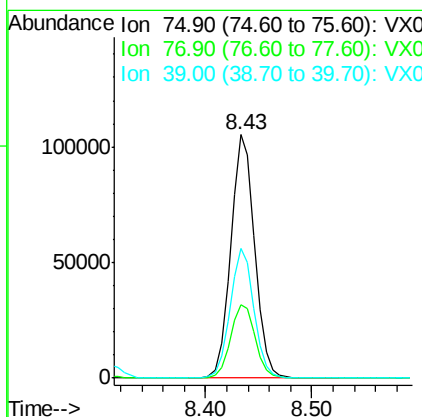
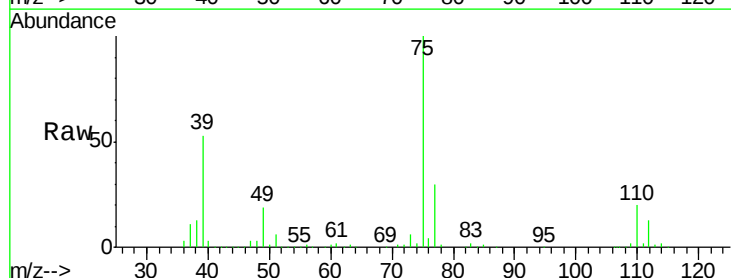
Manual Integrations
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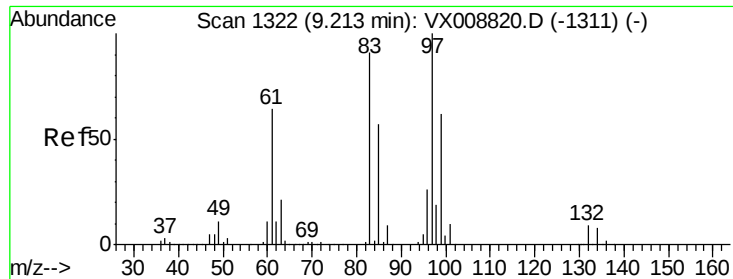
MMDadoda
4/13/2019 2:12:11 PM



#54
cis-1,3-Dichloropropene
Concen: 50.746 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion: 75 Resp: 165068
Ion Ratio Lower Upper
75 100
77 30.2 25.3 37.9
39 53.2 42.6 63.8





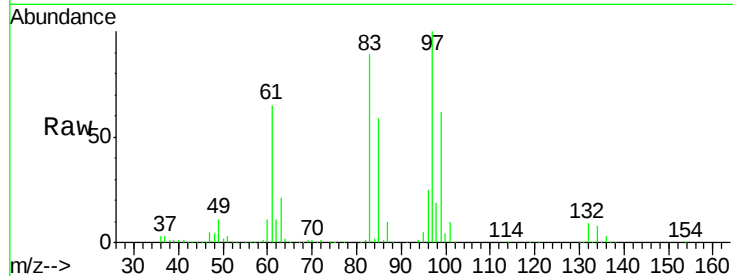
#55
 1,1,2-Trichloroethane
 Concen: 51.276 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

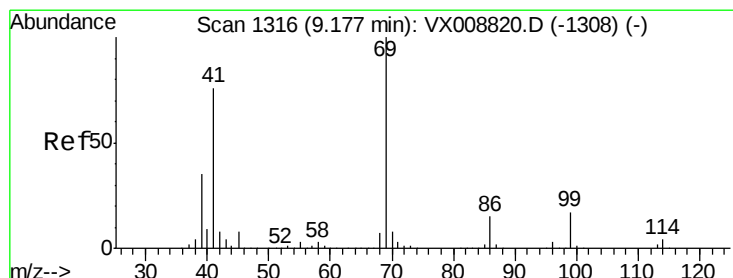
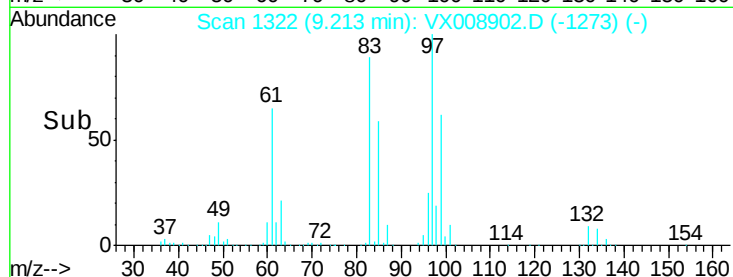
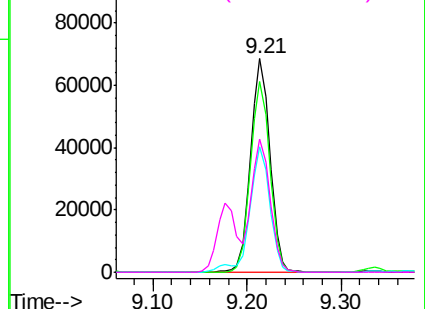
Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	73.2	109.8
85	58.8	46.6	69.8
99	62.0	50.1	75.1

Manual Integrations
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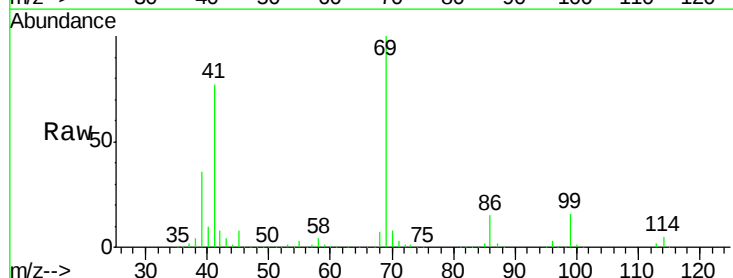


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

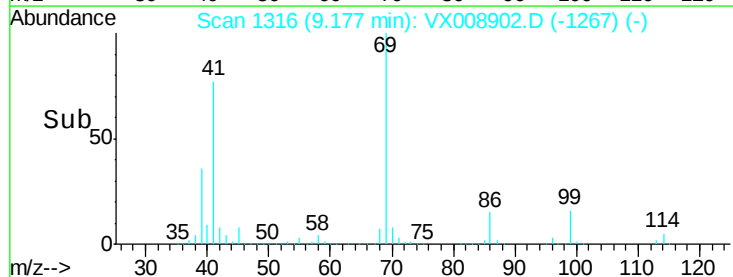
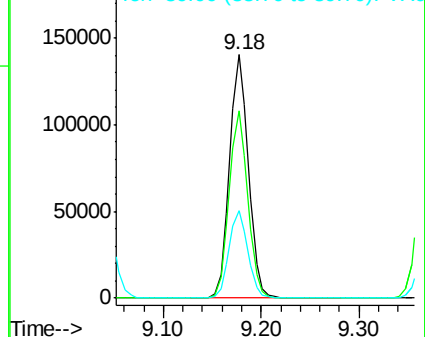


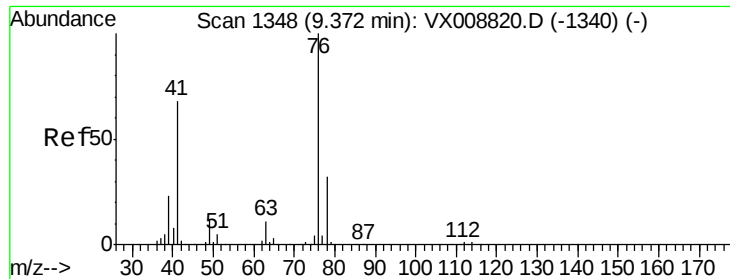
#56
 Ethyl methacrylate
 Concen: 53.795 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.1	90.1
39	36.1	28.9	43.3



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: 51.259 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tgt Ion: 76 Resp: 177354

Ion Ratio Lower Upper

76 100

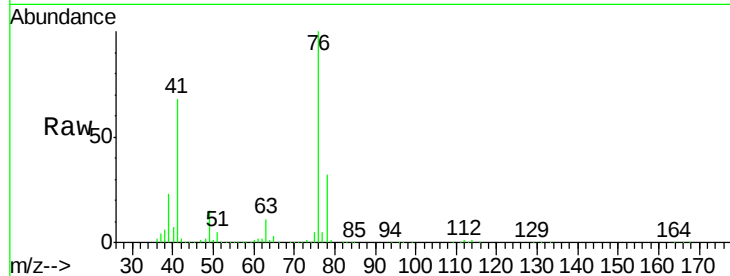
78 31.9 25.6 38.4

Manual Integrations

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4/13/2019 2:12:11 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

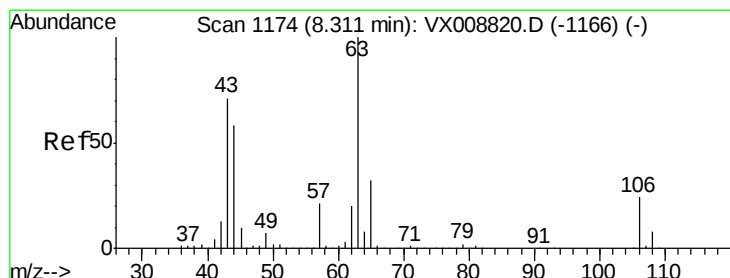
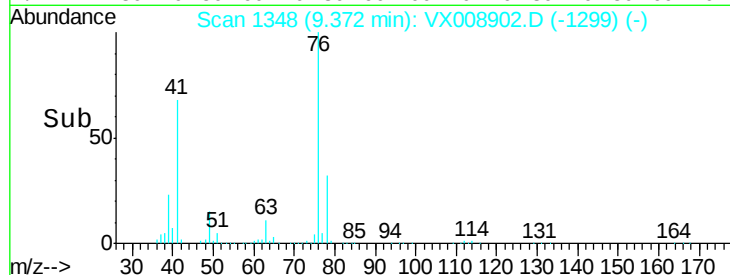
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 251.187 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008902.D

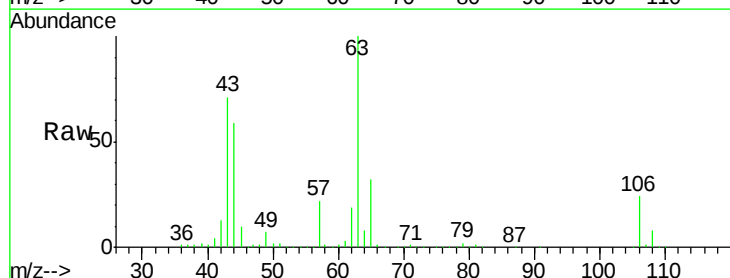
Acq: 12 Apr 2019 21:44

Tgt Ion: 63 Resp: 447151

Ion Ratio Lower Upper

63 100

106 24.2 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

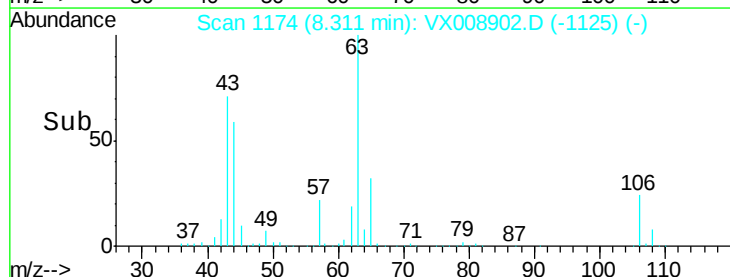
300000

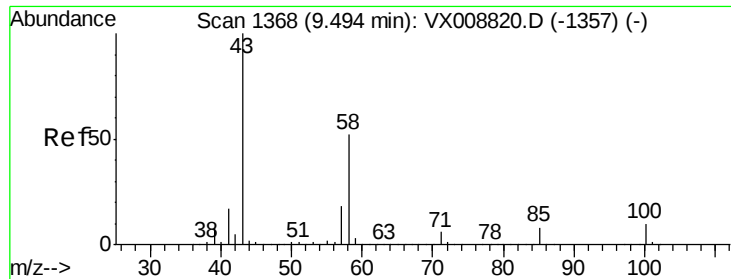
200000

100000

0

Time-->





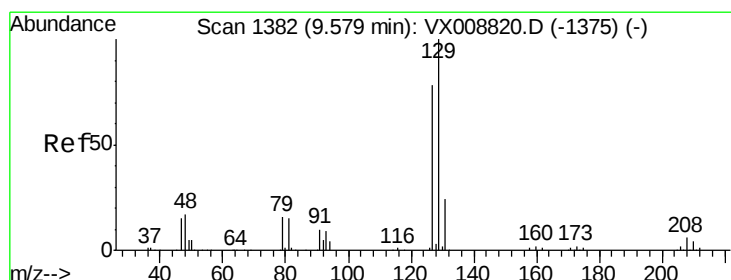
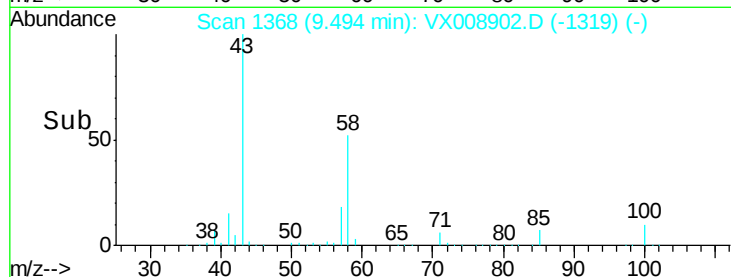
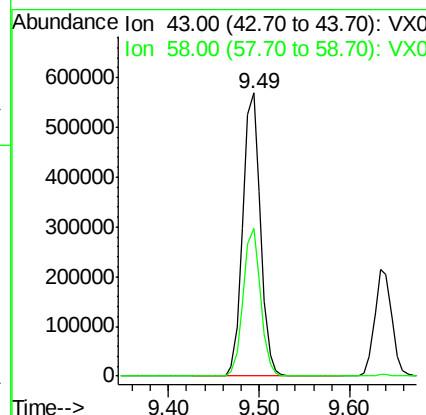
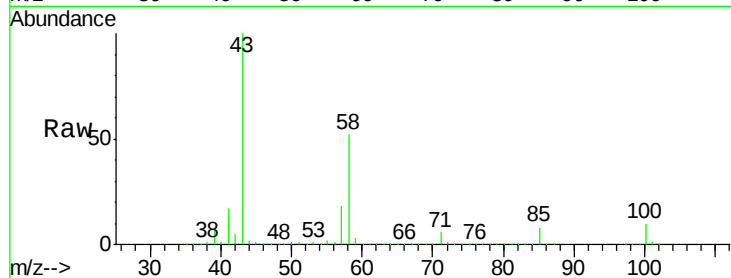
#59
2-Hexanone
Concen: 268.636 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 768013
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.7

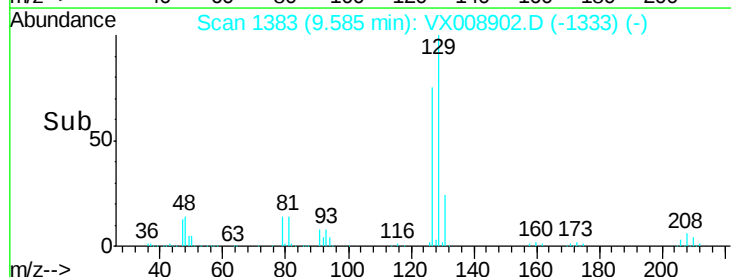
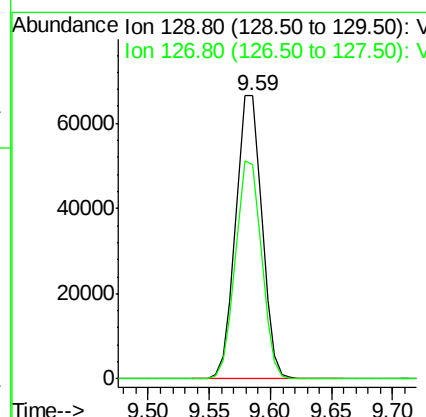
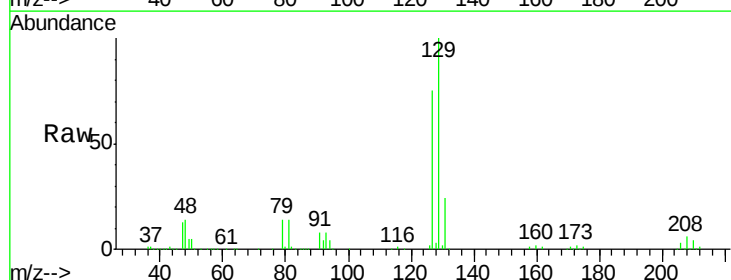
Manual Integrations
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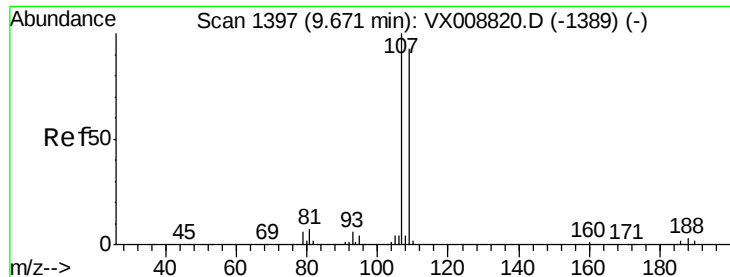
MMDadoda
4/13/2019 2:12:11 PM



#60
Dibromochloromethane
Concen: 54.228 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion: 129 Resp: 98462
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 50.699 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 101698

Ion Ratio Lower Upper

107 100

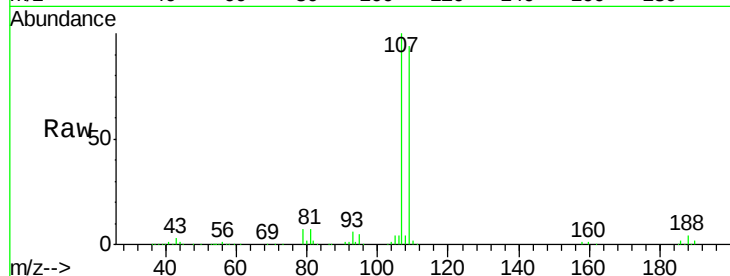
109 94.7 74.1 111.1

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

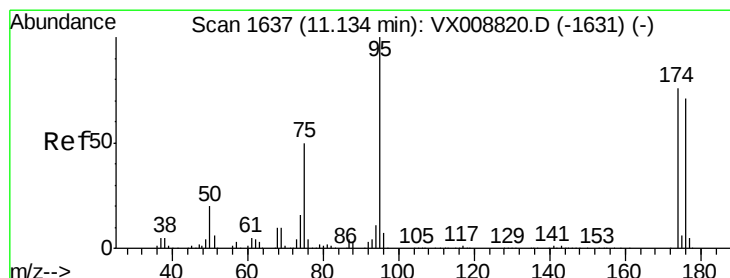
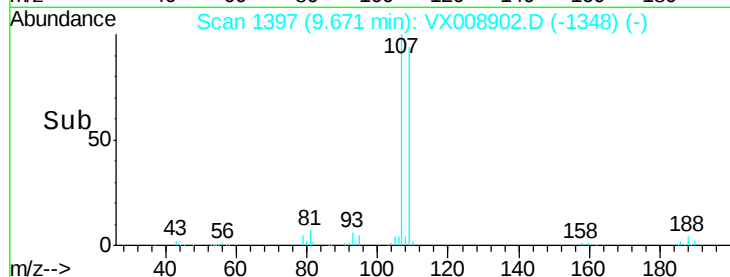
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 52.107 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

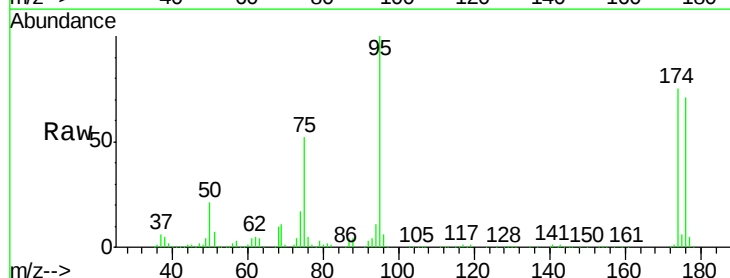
Tgt Ion: 95 Resp: 117615

Ion Ratio Lower Upper

95 100

174 79.7 0.0 151.8

176 76.7 0.0 145.8



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

120000

100000

80000

60000

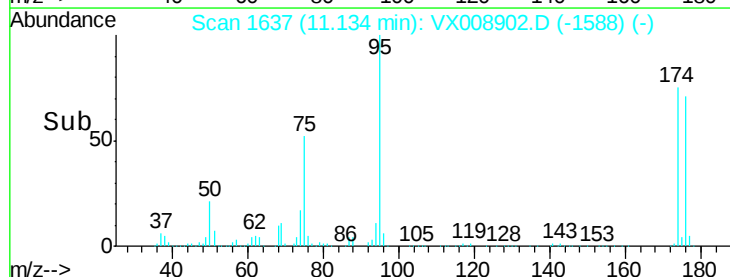
40000

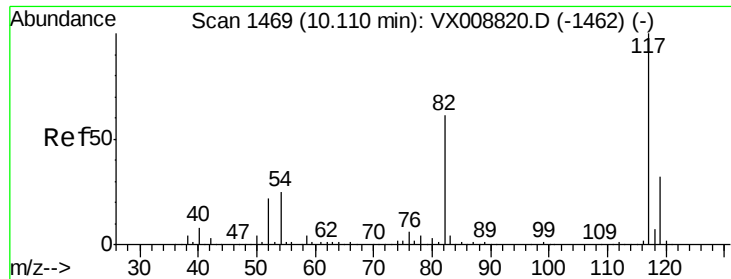
20000

0

Time-->

11.10 11.20





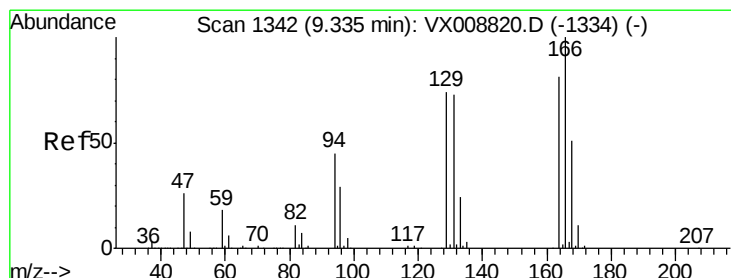
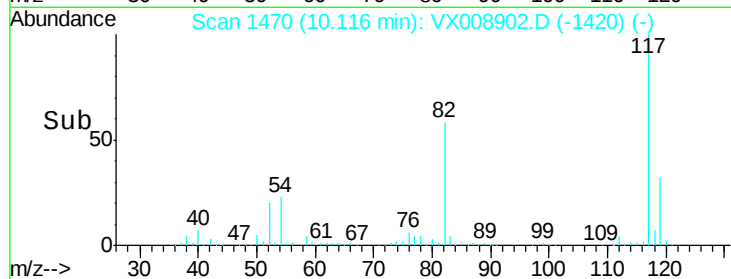
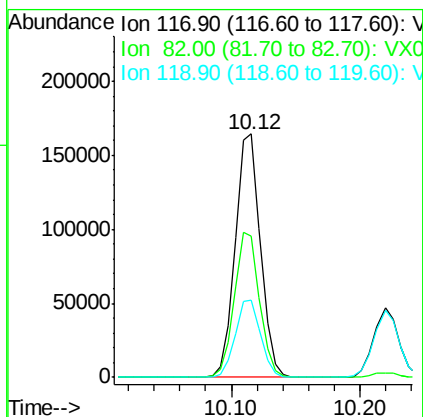
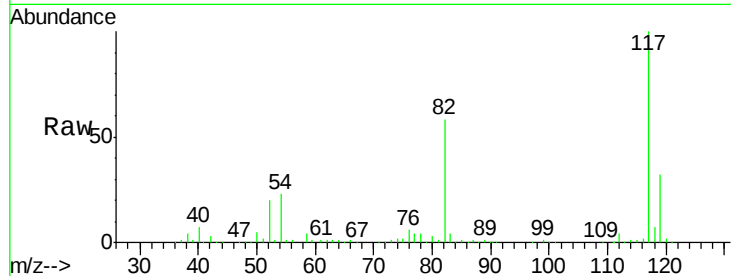
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	224212		
82	57.9	49.6	74.4	
119	31.8	25.0	37.4	

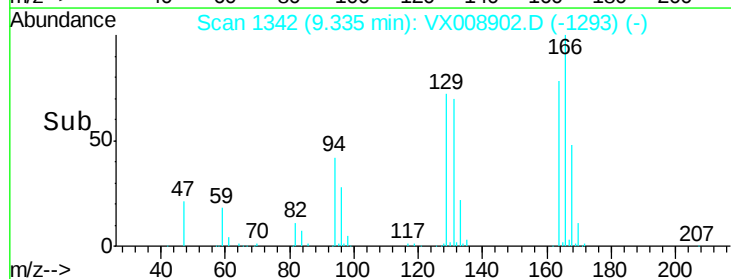
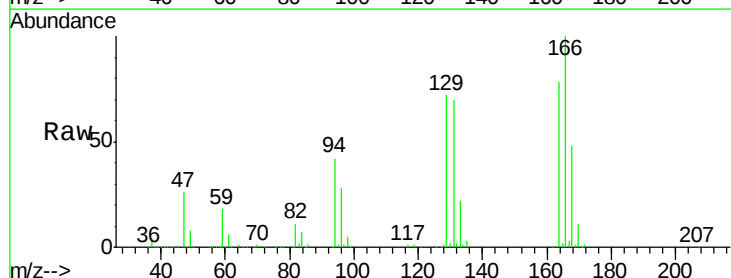
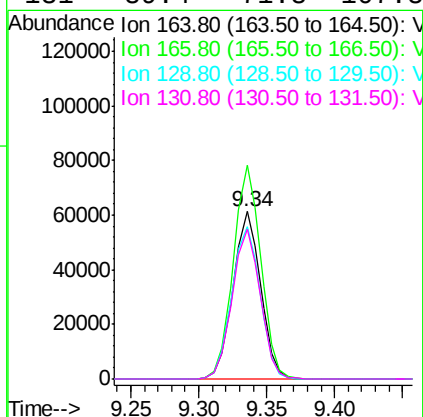
Manual Integrations
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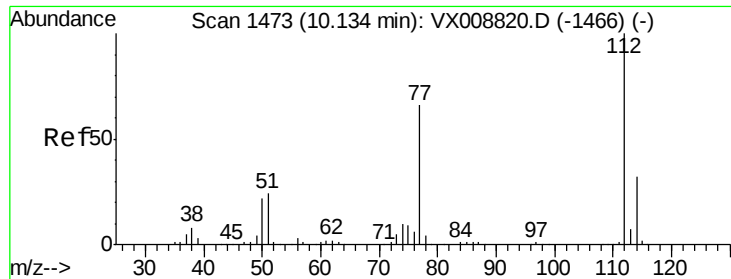
MMDadoda
4/13/2019 2:12:11 PM



#64
Tetrachloroethene
Concen: 52.143 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	86618		
166	127.7	101.0	151.6	
129	91.4	75.8	113.8	
131	89.4	71.8	107.8	





#65

Chlorobenzene

Concen: 50.375 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 250369

Ion Ratio Lower Upper

112 100

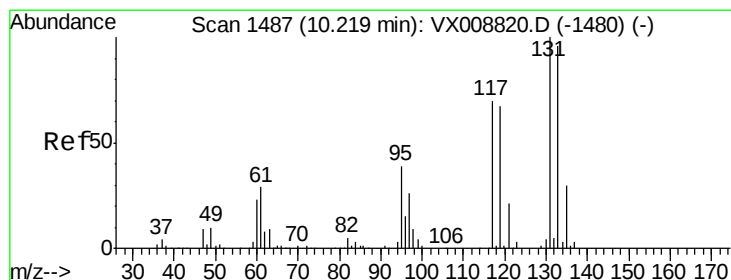
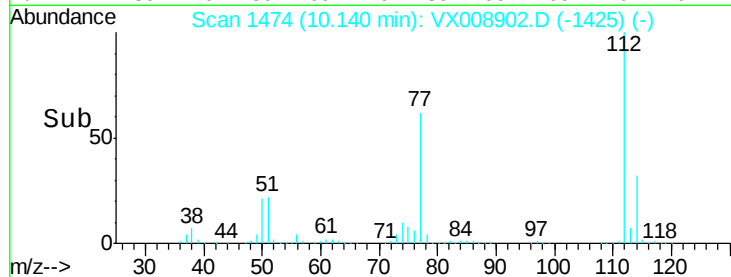
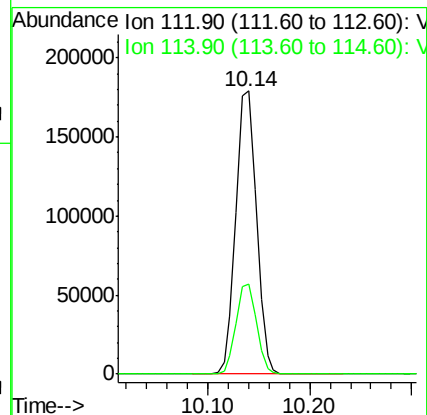
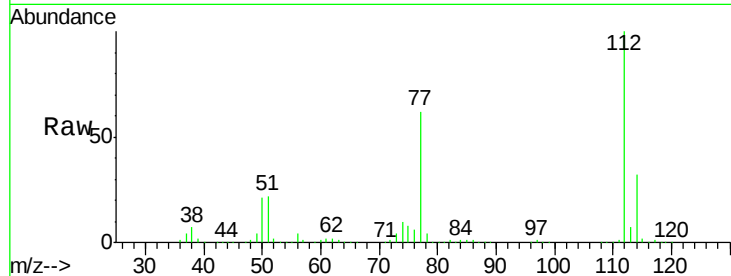
114 32.0 25.8 38.8

Manual Integrations

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4/13/2019 2:12:11 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.806 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

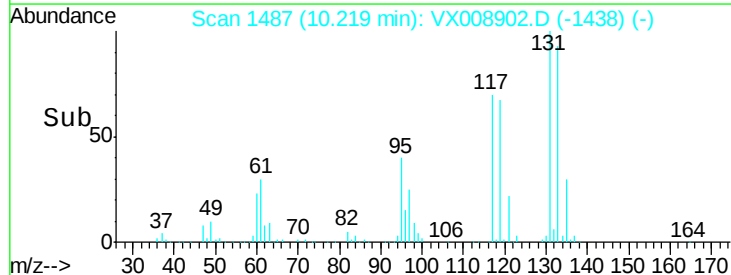
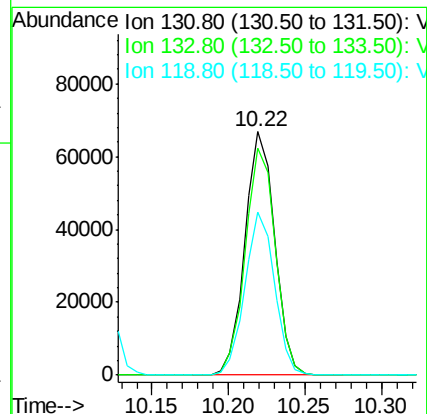
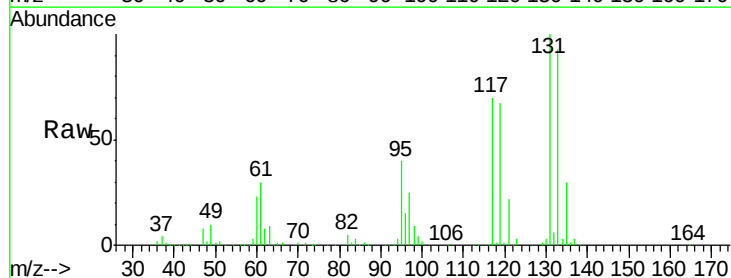
Tgt Ion:131 Resp: 90329

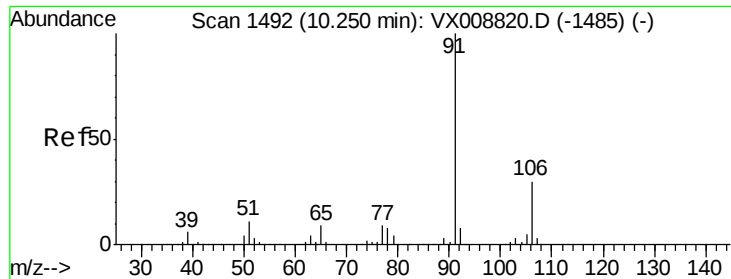
Ion Ratio Lower Upper

131 100

133 94.3 47.0 141.2

119 66.7 33.7 101.0





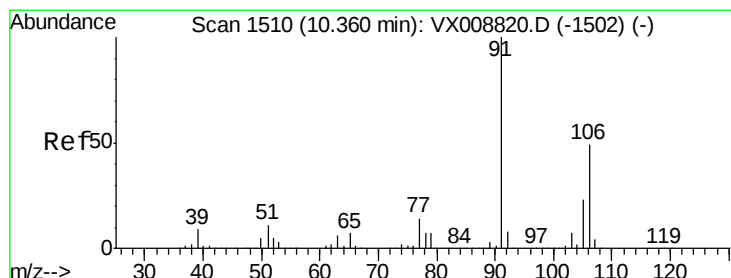
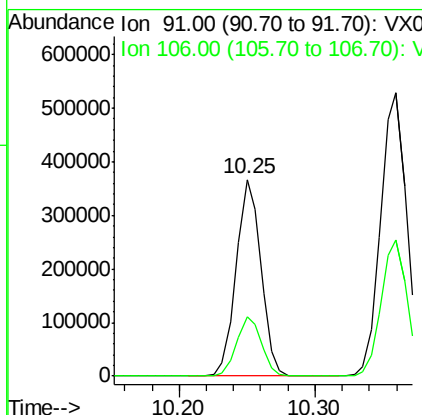
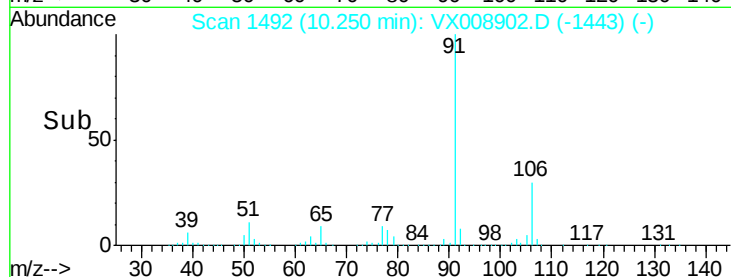
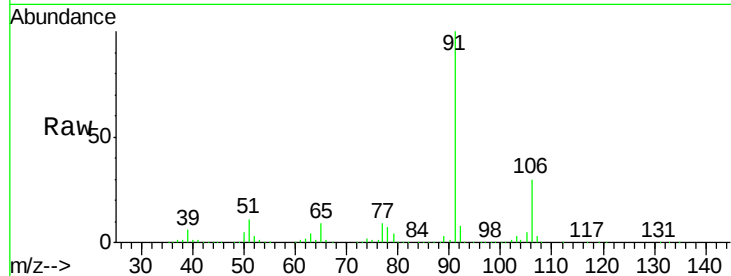
#67
Ethyl Benzene
Concen: 50.223 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 465450
Ion Ratio Lower Upper
91 100
106 30.2 23.7 35.5

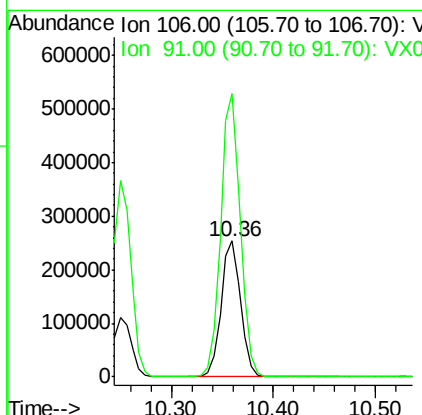
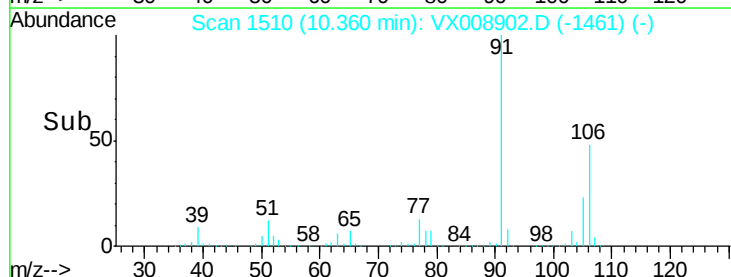
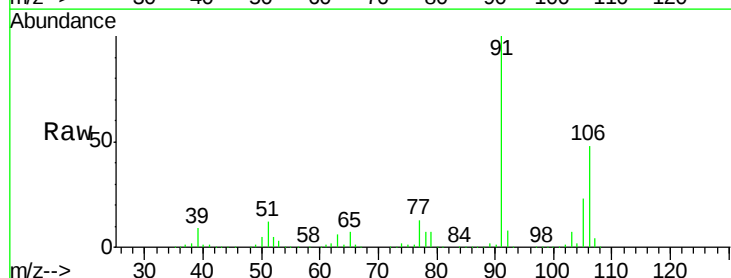
Manual Integrations
APPROVED

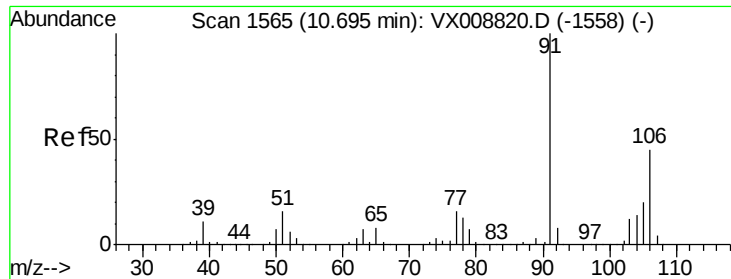
MMDadoda
4/13/2019 2:12:11 PM



#68
m/p-Xylenes
Concen: 101.207 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion: 106 Resp: 337240
Ion Ratio Lower Upper
106 100
91 209.2 168.5 252.7





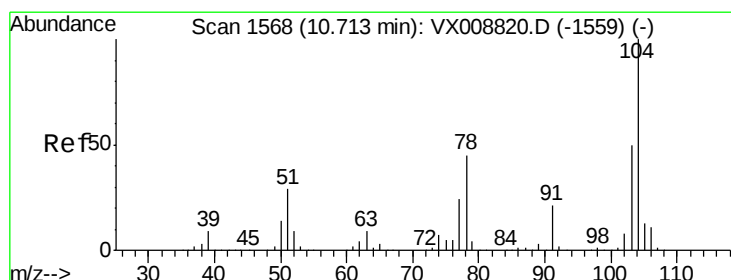
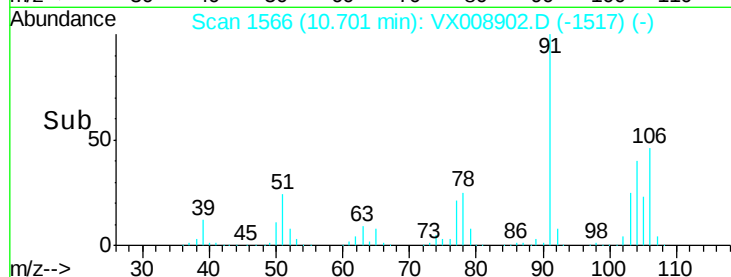
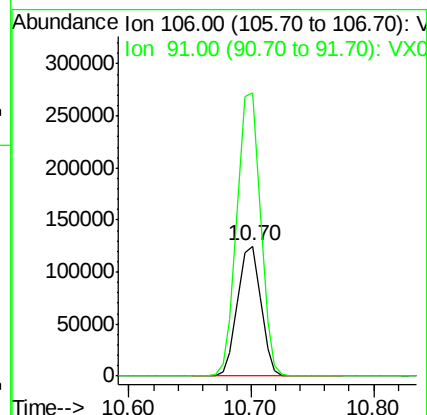
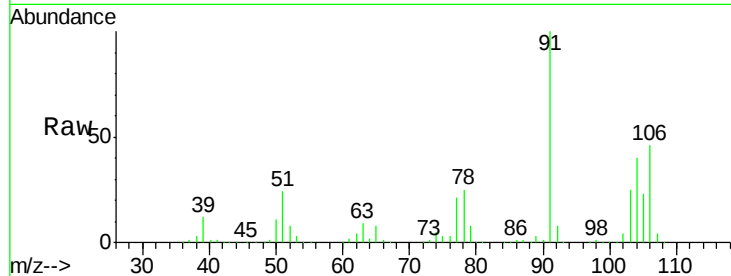
#69
o-Xylene
Concen: 51.107 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 165037
Ion Ratio Lower Upper
106 100
91 219.9 111.5 334.4

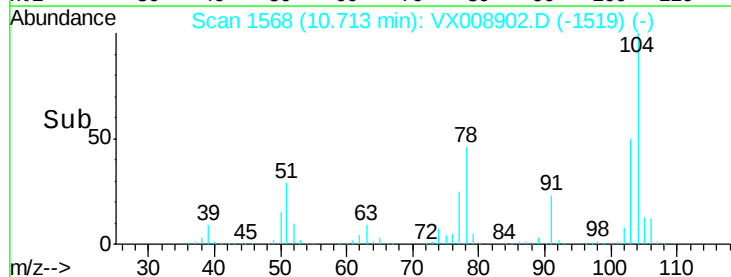
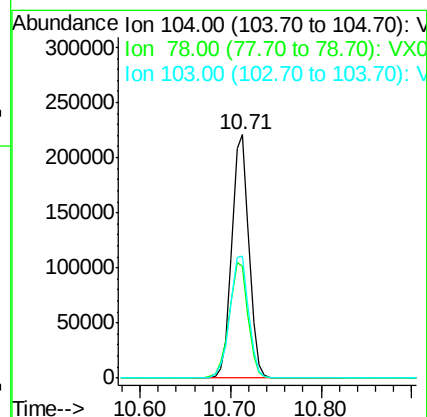
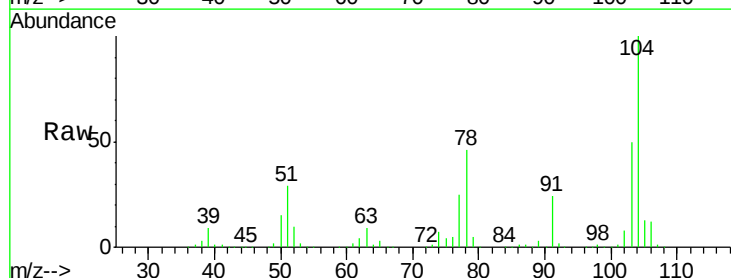
Manual Integrations
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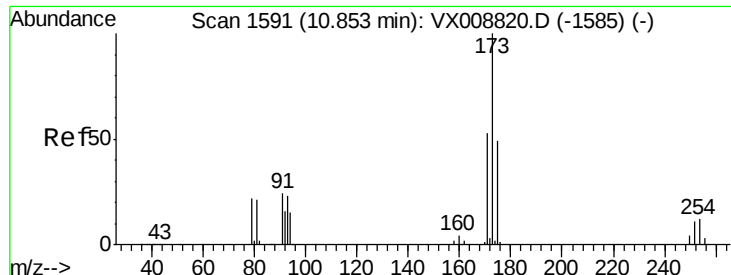
MMDadoda
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#70
Styrene
Concen: 51.927 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion:104 Resp: 289051
Ion Ratio Lower Upper
104 100
78 52.0 42.3 63.5
103 55.1 44.4 66.6





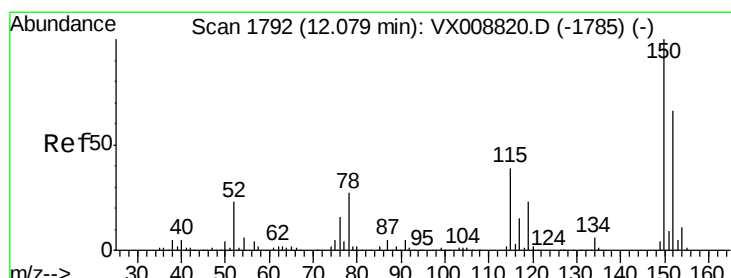
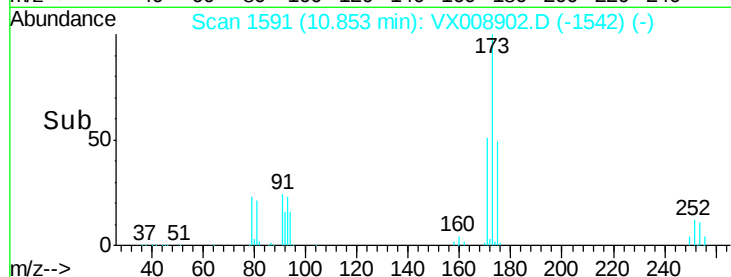
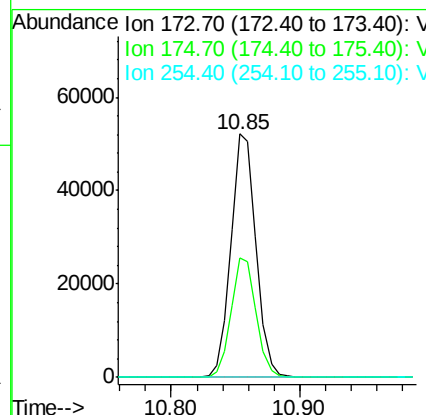
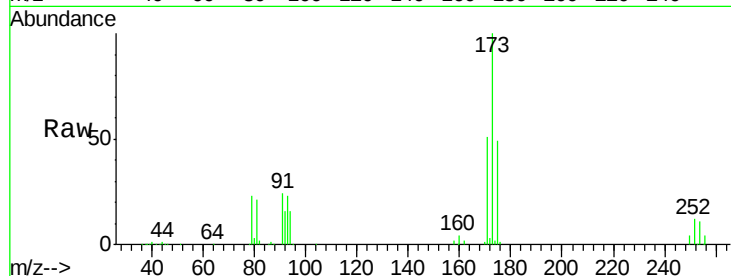
#71
Bromoform
Concen: 53.517 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.6
254	0.2	0.1	0.1#

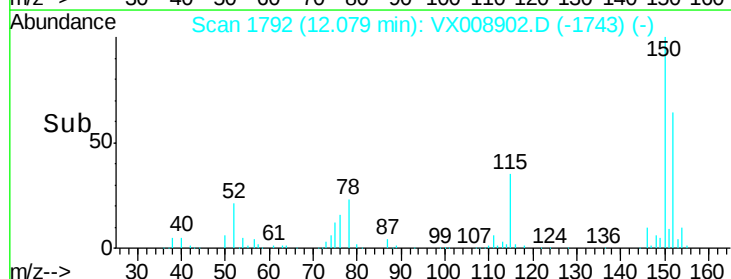
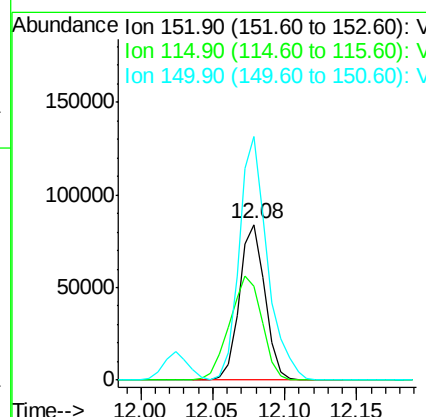
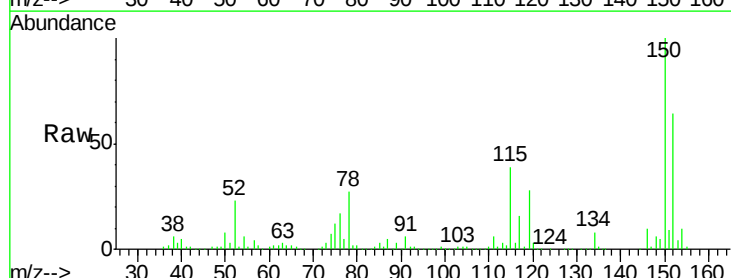
Manual Integrations
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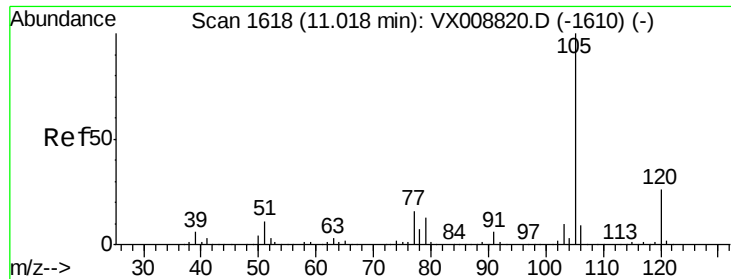
MMDadoda
4/13/2019 2:12:11 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	85.6	43.5	130.5
150	172.9	0.0	348.8





#73

Isopropylbenzene

Concen: 50.779 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 436271

Ion Ratio Lower Upper

105 100

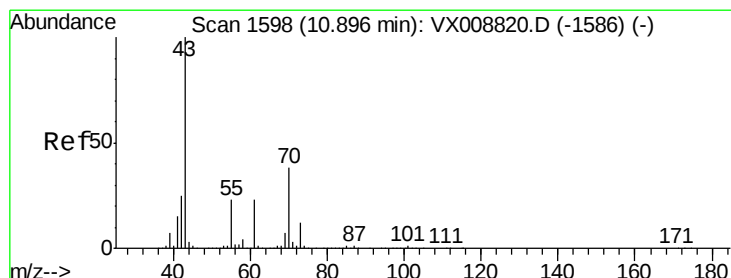
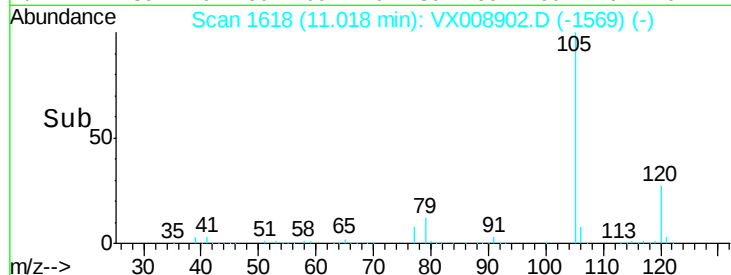
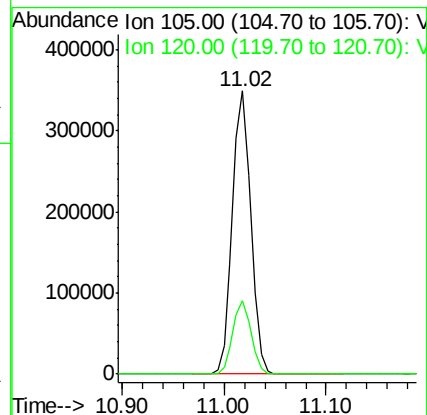
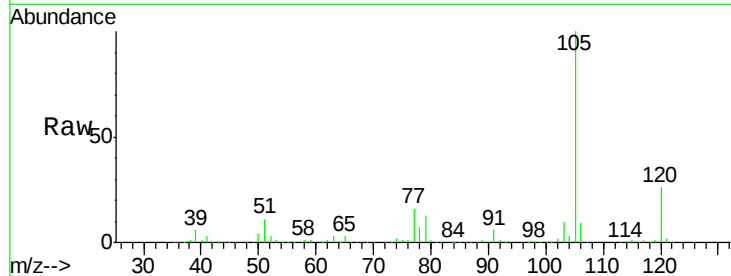
120 25.9 12.9 38.6

Manual Integrations

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4/13/2019 2:12:11 PM



#74

N-ethyl acetate

Concen: 52.025 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Tgt Ion: 43 Resp: 262972

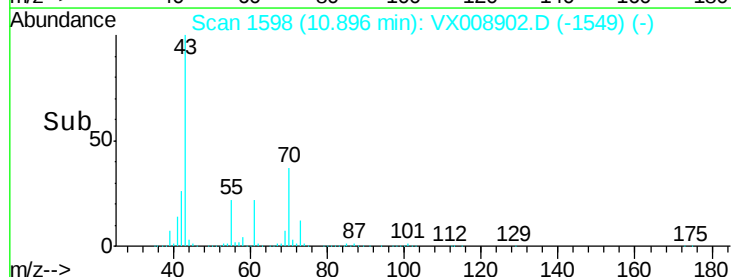
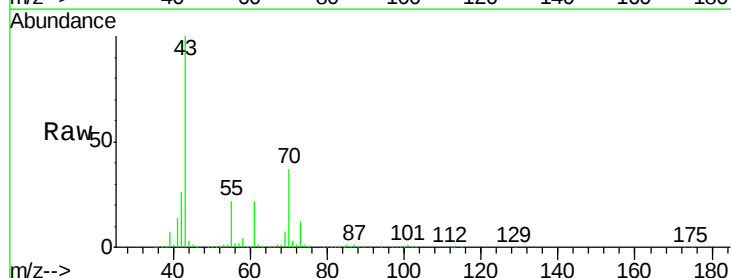
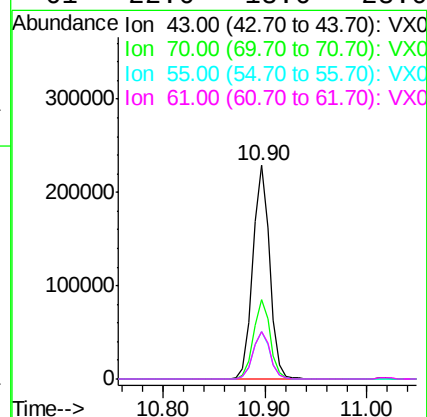
Ion Ratio Lower Upper

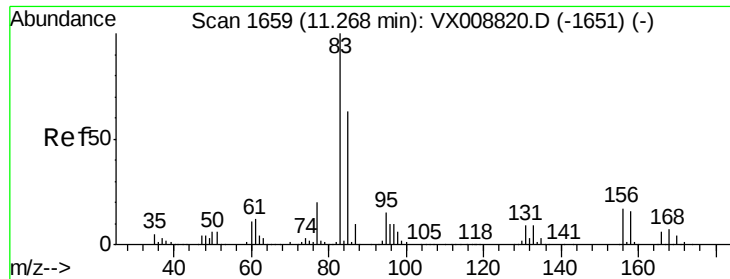
43 100

70 36.9 30.2 45.4

55 22.5 18.2 27.4

61 22.6 18.6 28.0





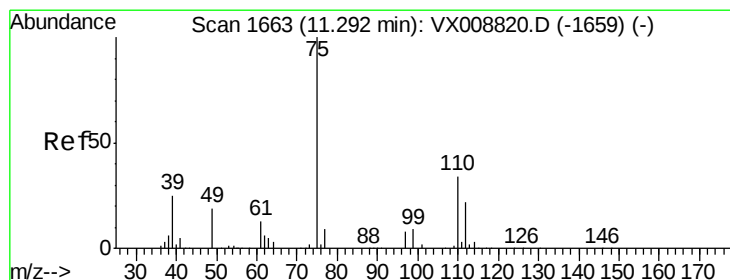
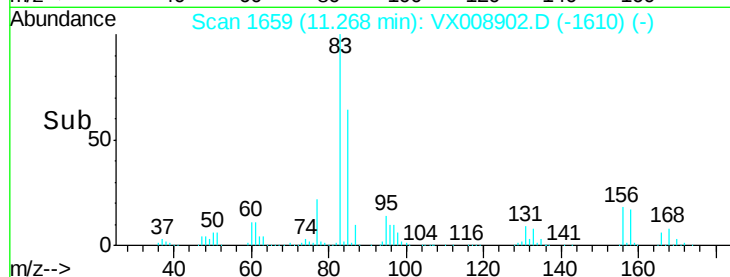
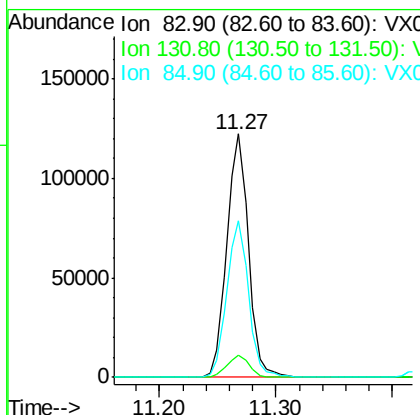
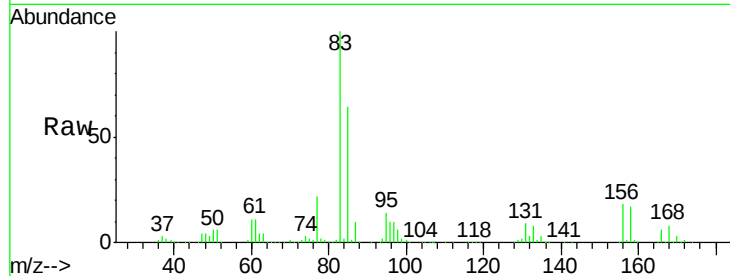
#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.401 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	158149		
131	9.3	4.5	13.7	
85	64.7	32.0	96.2	

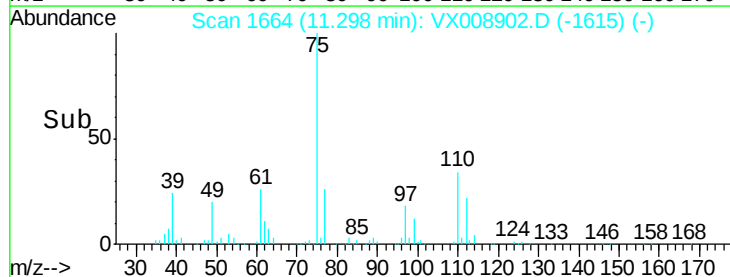
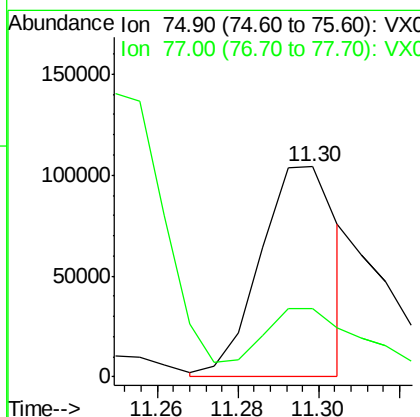
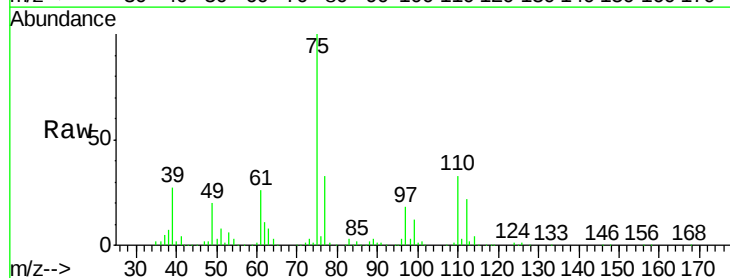
Manual Integrations
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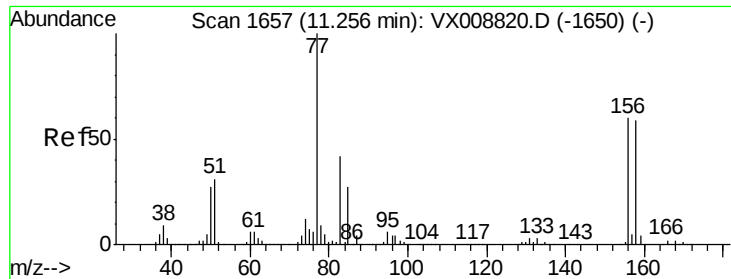
MMDadoda
 4/13/2019 2:12:11 PM



#76
 1,2,3-Trichloropropane
 Concen: 48.180 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	137213		
77	44.4	22.3	66.8	





#77

Bromobenzene

Concen: 51.337 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

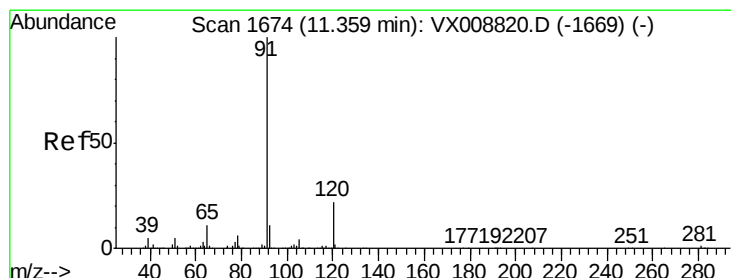
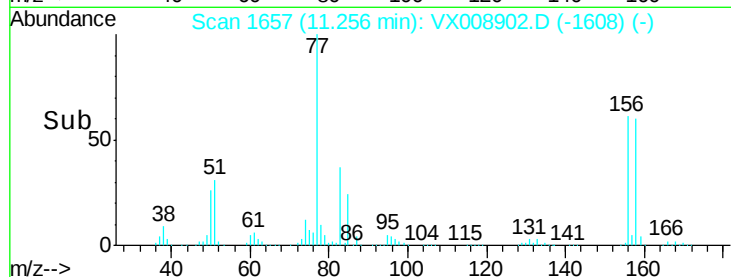
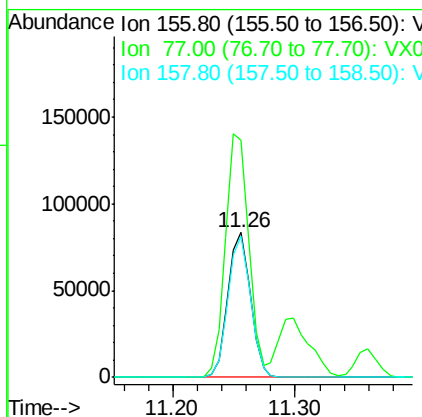
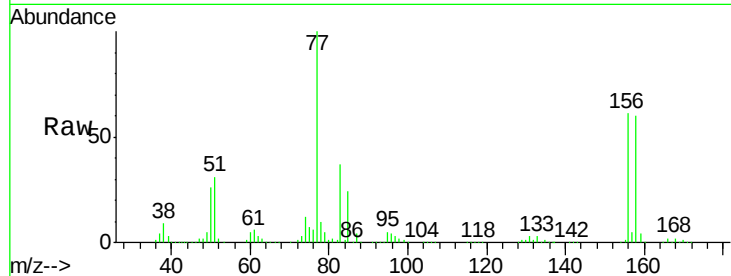
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	106031
Ion Ratio	Lower	Upper	
156	100		
77	173.9	89.8	269.6
158	97.2	48.6	145.9

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#78

n-propylbenzene

Concen: 50.190 ug/l

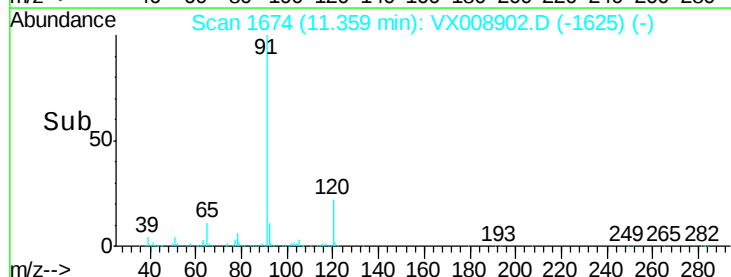
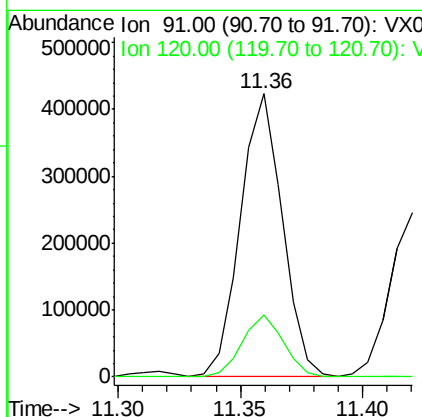
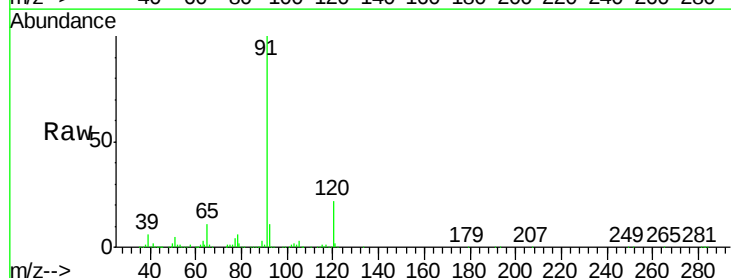
RT: 11.36 min Scan# 1674

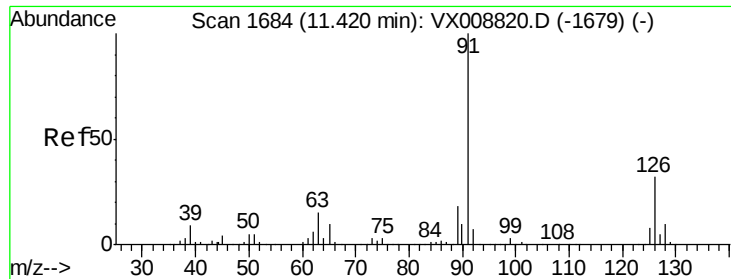
Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Tgt Ion:	91	Resp:	502082
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.9	32.7





#79

2-Chlorotoluene

Concen: 49.537 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 299886

Ion Ratio Lower Upper

91 100

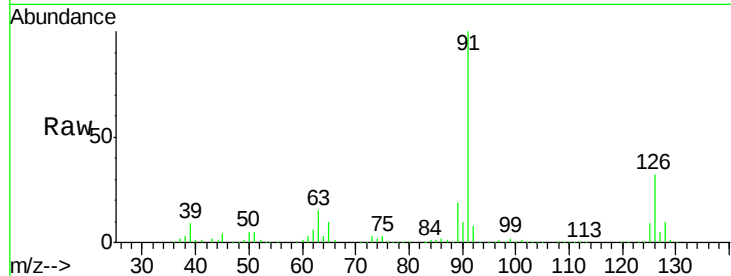
126 32.2 16.1 48.3

Manual Integrations

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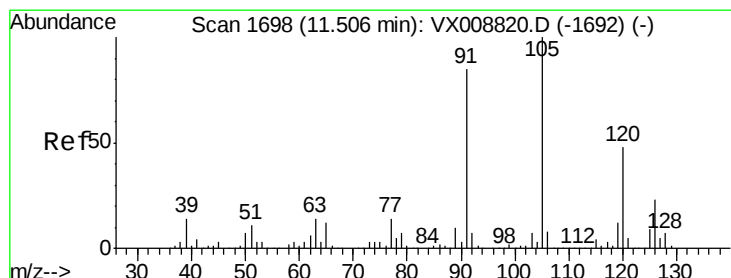
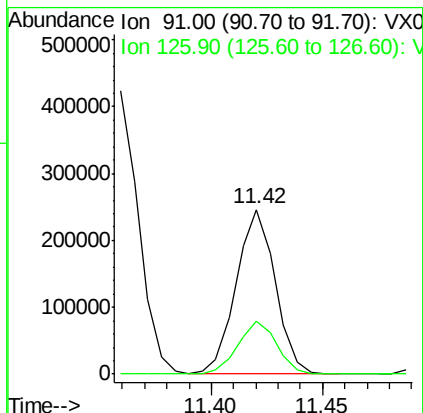
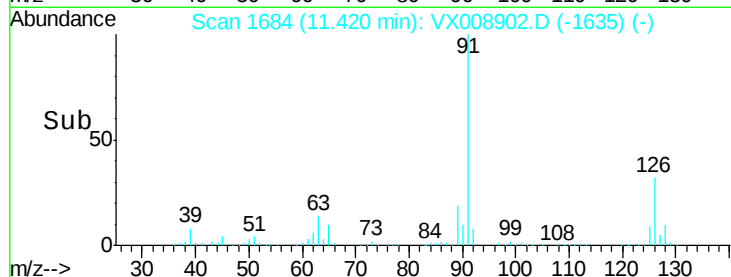
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Abundance Ion 91.00 (90.70 to 91.70): VX008820.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008820.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.434 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008902.D

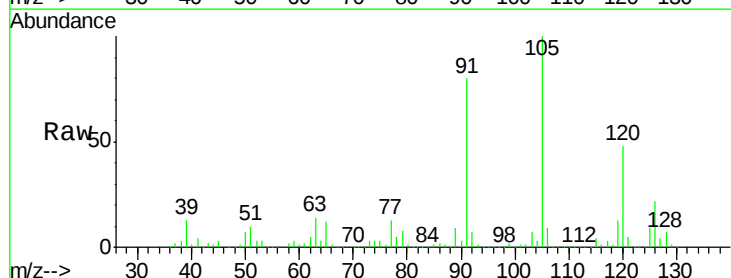
Acq: 12 Apr 2019 21:44

Tgt Ion: 105 Resp: 363720

Ion Ratio Lower Upper

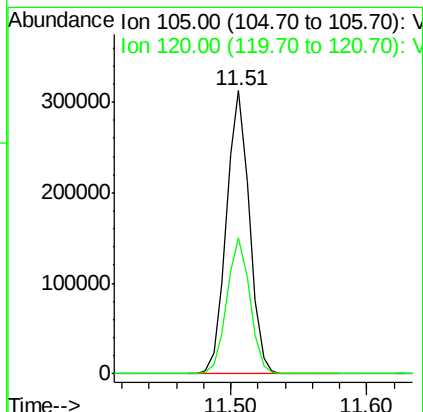
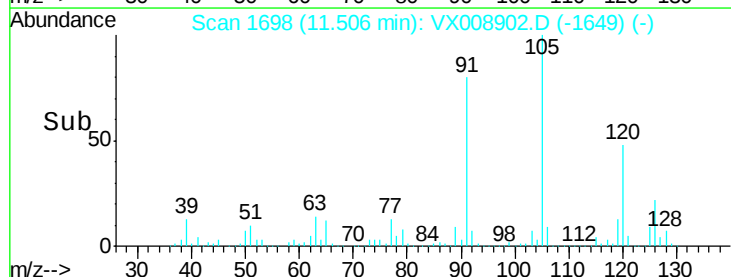
105 100

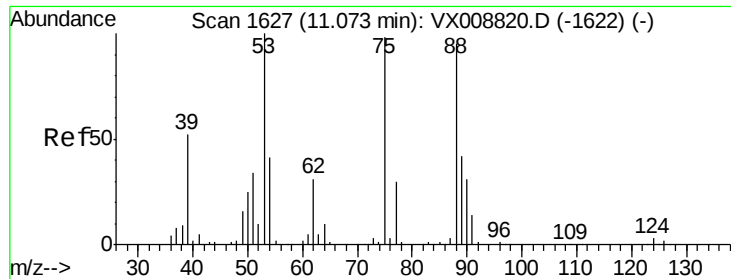
120 48.2 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008820.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008820.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.649 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 53361
Ion Ratio Lower Upper

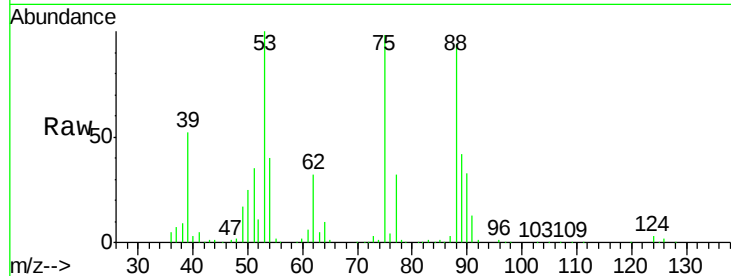
75 100

53 102.0 81.3 121.9

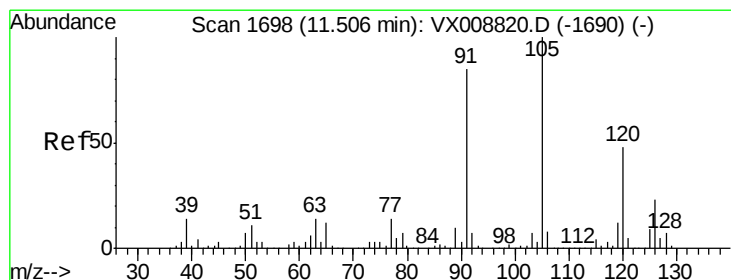
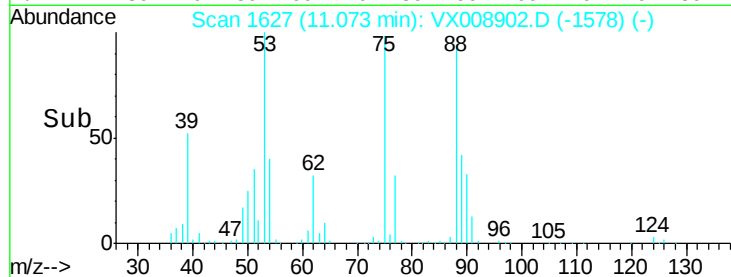
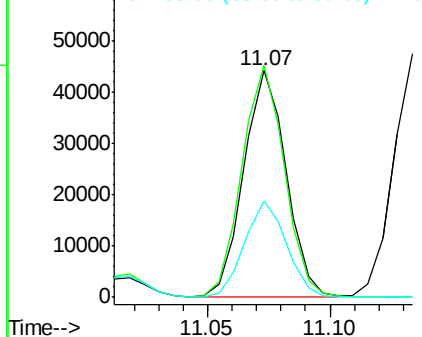
89 42.0 35.6 53.4

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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: 48.717 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

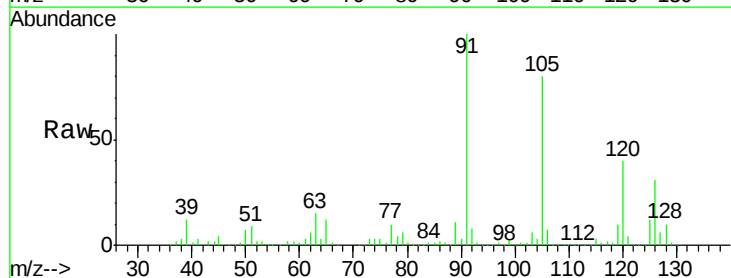
Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

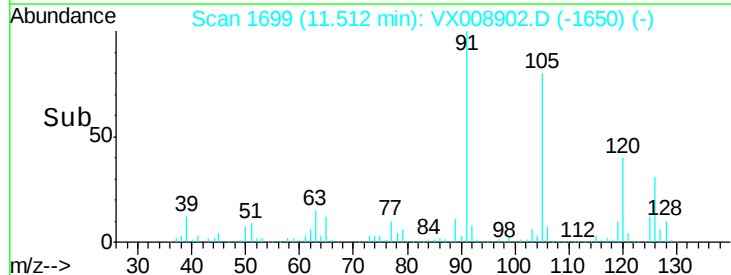
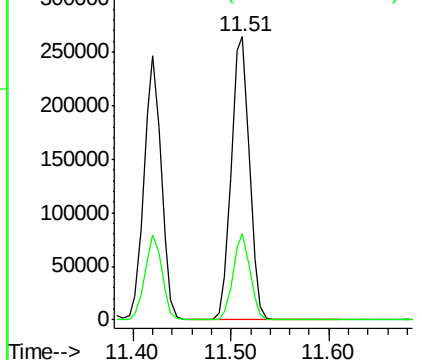
Tgt Ion: 91 Resp: 341383
Ion Ratio Lower Upper

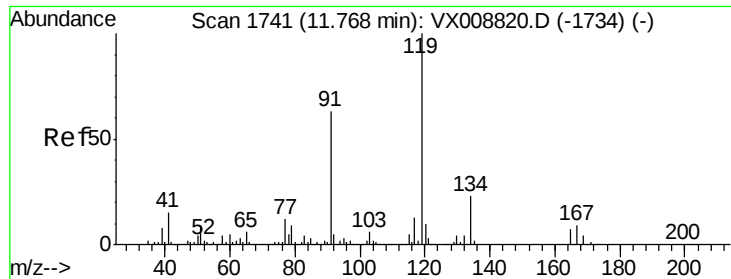
91 100

126 28.6 13.9 41.6



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





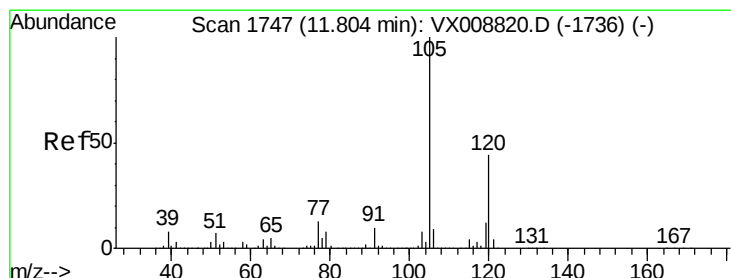
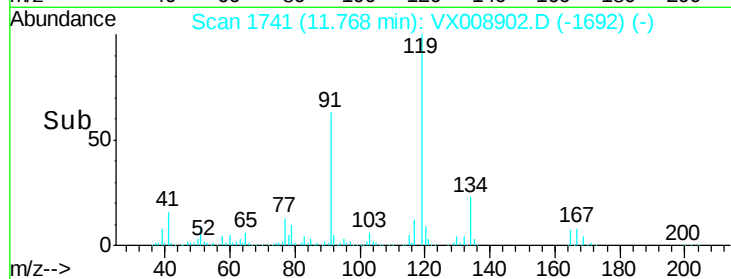
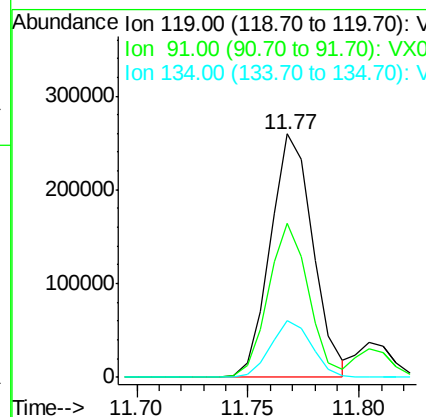
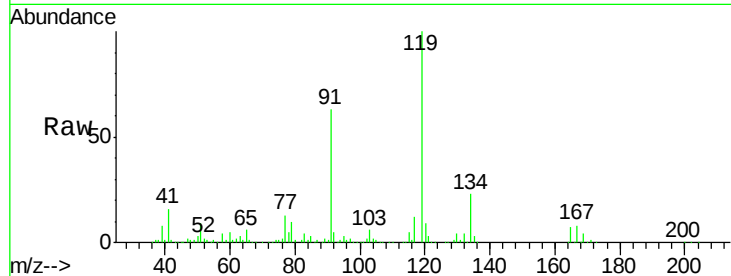
#83
 tert-Butylbenzene
 Concen: 49.662 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	344569		
91	60.0	30.0	90.1	
134	22.4	11.1	33.3	

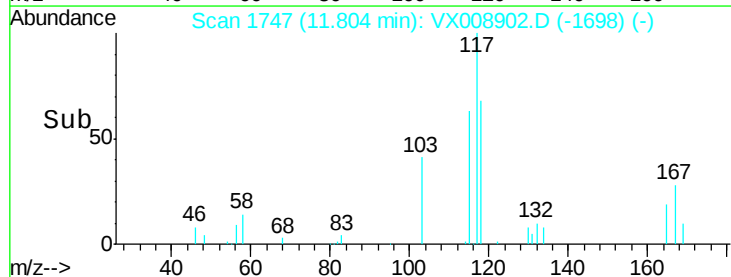
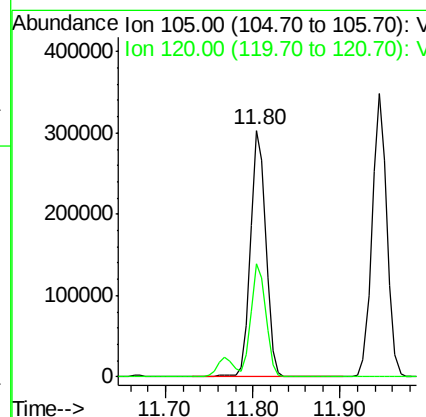
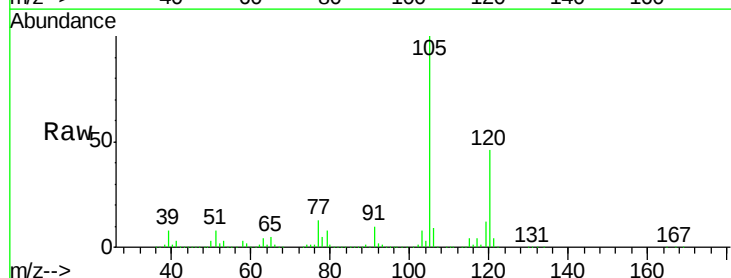
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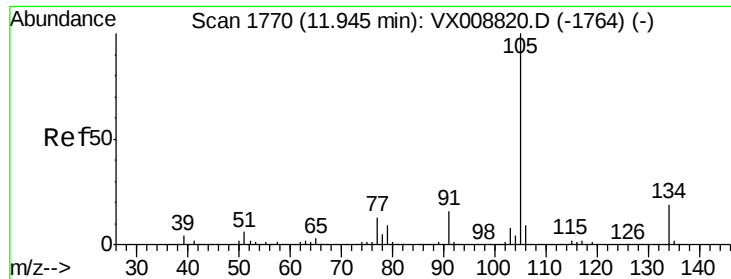
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.214 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	366685		
120	44.4	21.8	65.3	





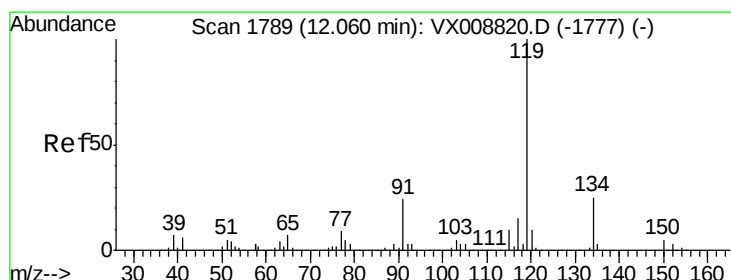
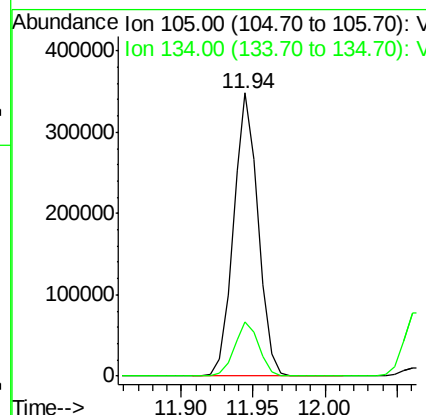
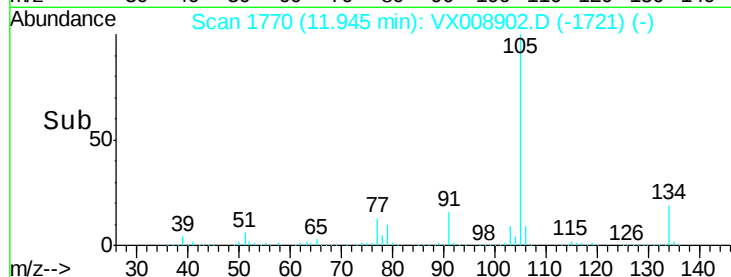
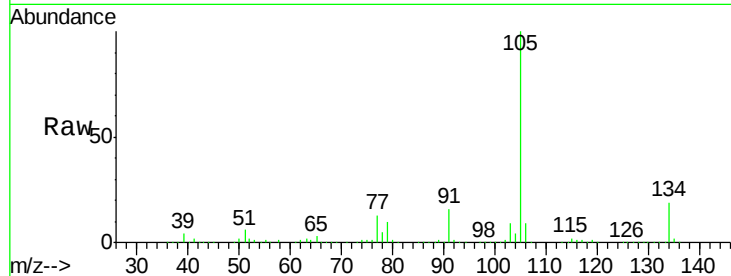
#85
 sec-Butylbenzene
 Concen: 50.451 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 415796
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.4 28.2

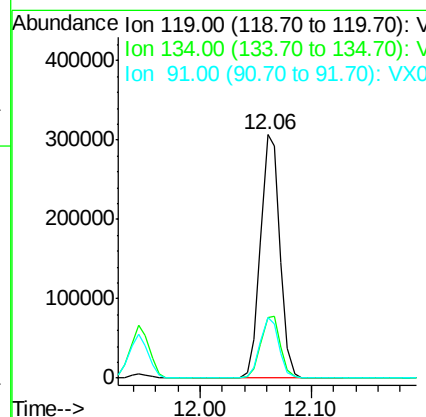
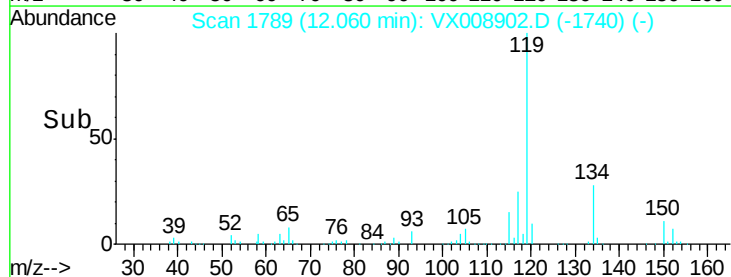
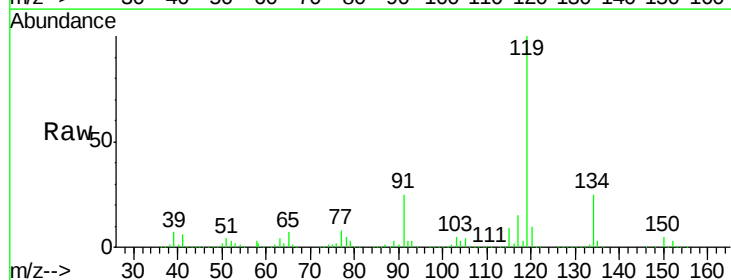
Manual Integrations
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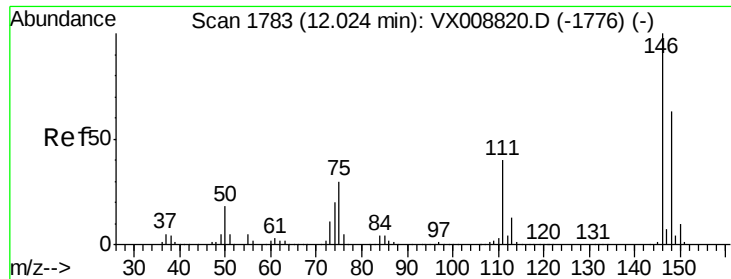
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 50.457 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion:119 Resp: 373237
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.4
 91 24.3 12.2 36.6





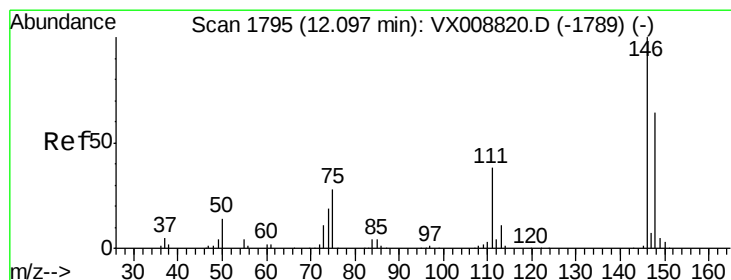
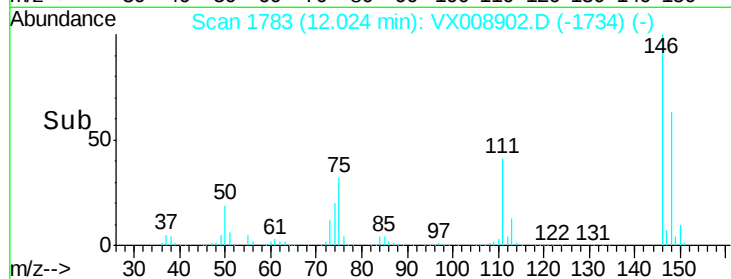
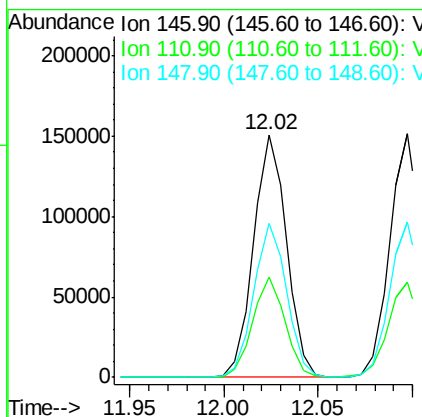
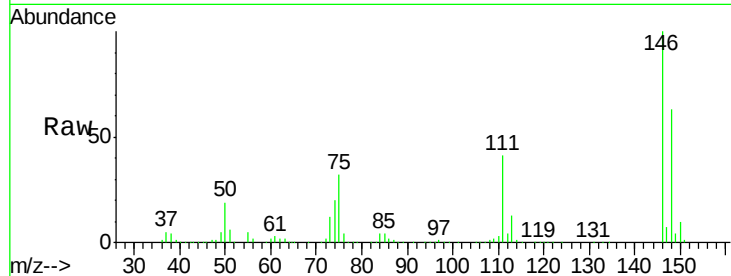
#87
 1,3-Dichlorobenzene
 Concen: 49.561 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183254		
111	40.6	20.5	61.5	
148	63.2	31.6	94.7	

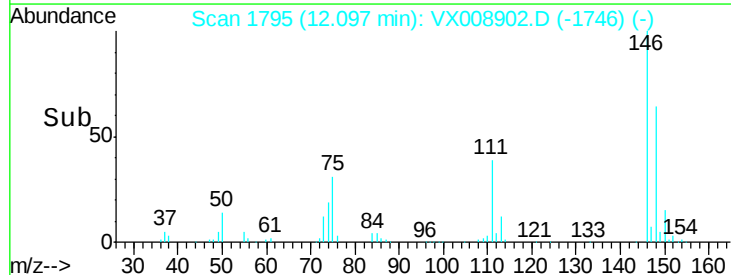
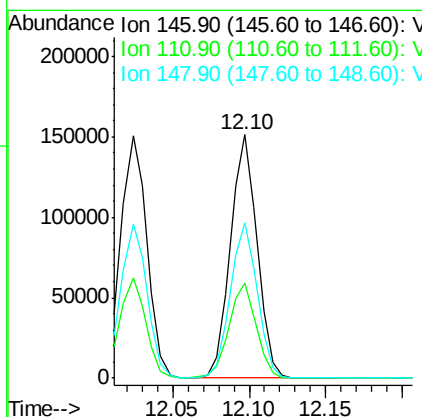
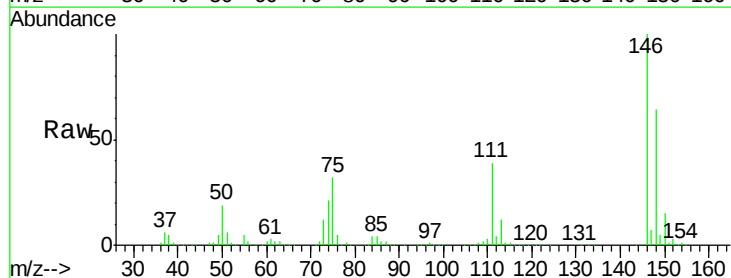
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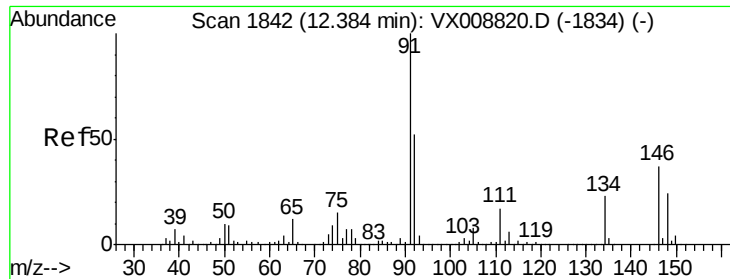
MMDadoda
 4/13/2019 2:12:11 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.595 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	181950		
111	39.9	20.2	60.6	
148	64.7	32.0	96.0	





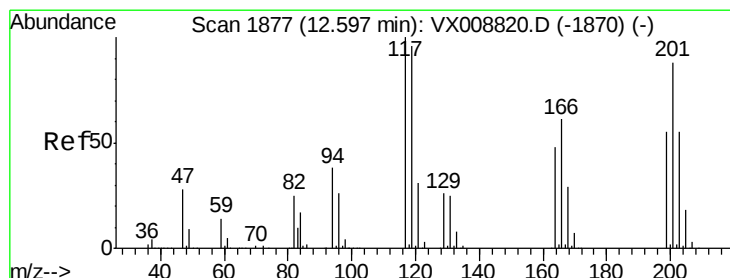
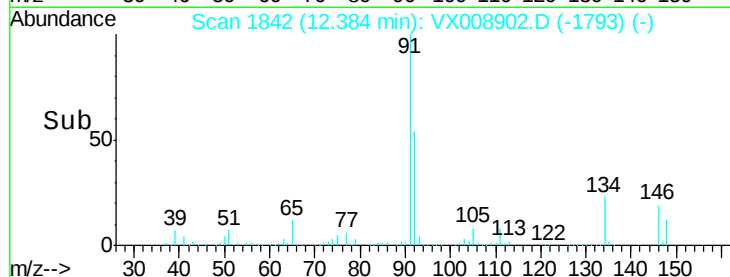
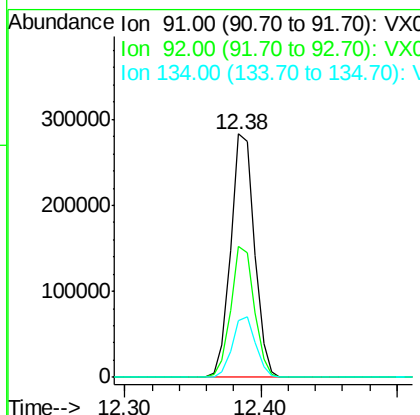
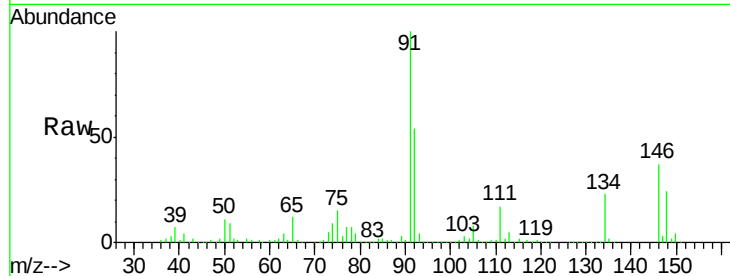
#89
n-Butylbenzene
Concen: 49.509 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 343448
Ion Ratio Lower Upper
91 100
92 53.2 26.4 79.2
134 24.5 12.0 36.0

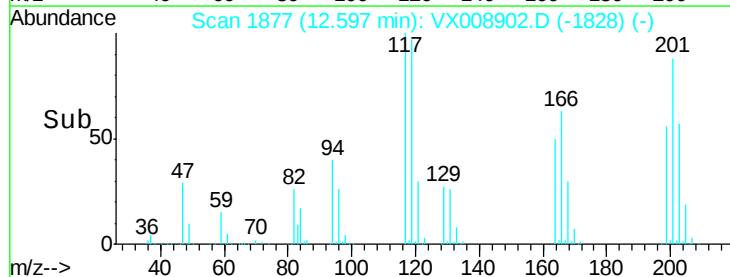
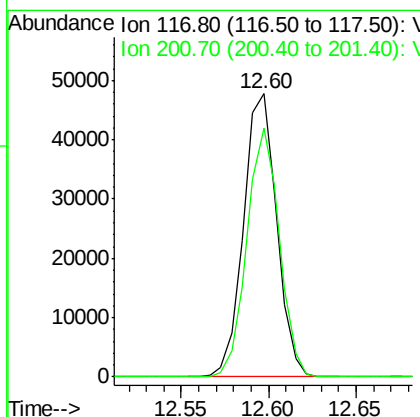
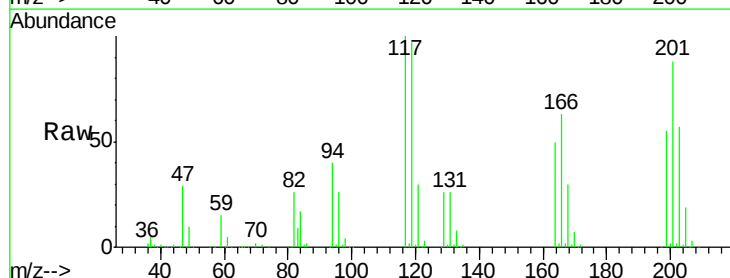
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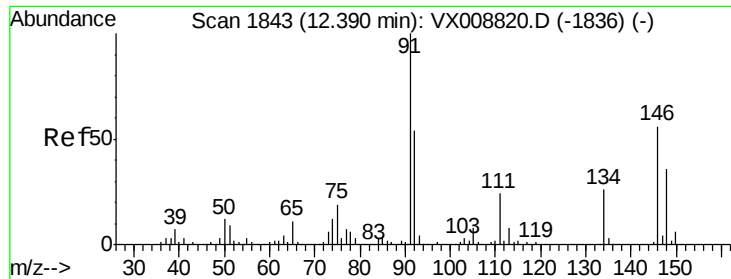
MMDadoda
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#90
Hexachloroethane
Concen: 51.180 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion: 117 Resp: 62792
Ion Ratio Lower Upper
117 100
201 86.2 40.6 122.0





#91

1,2-Dichlorobenzene

Concen: 49.798 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Instrument :

MSVOA_X

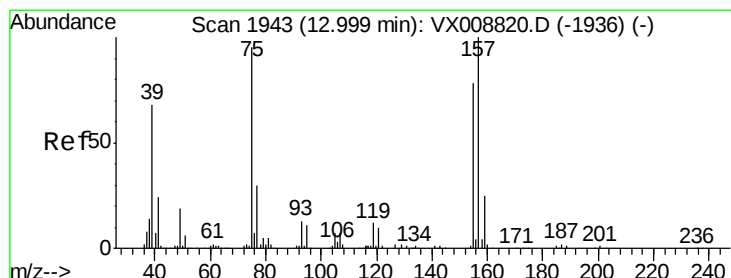
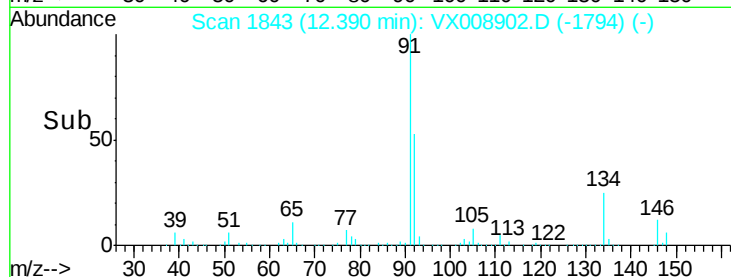
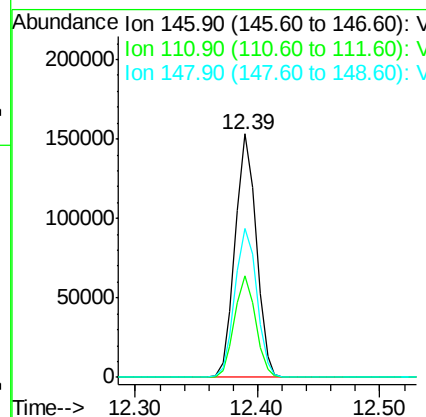
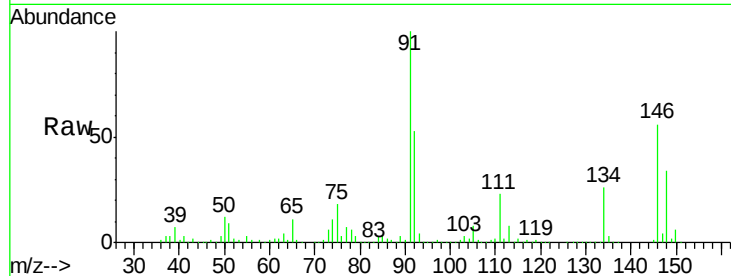
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	182818
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.3	63.9
148	63.3	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.997 ug/l

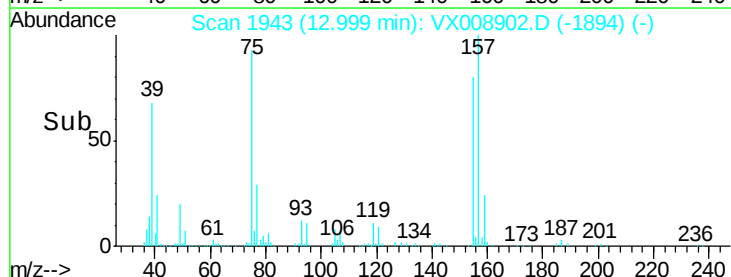
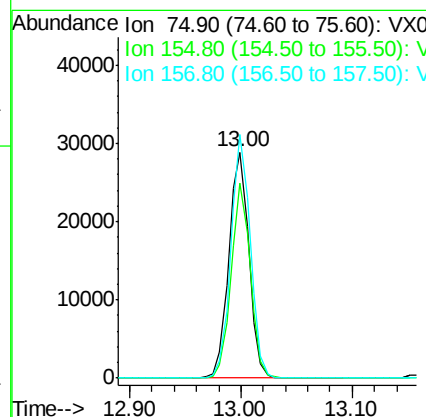
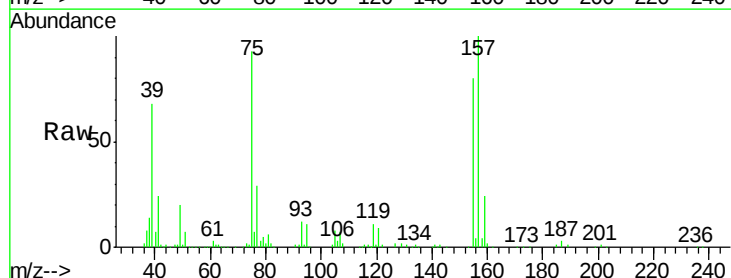
RT: 13.00 min Scan# 1943

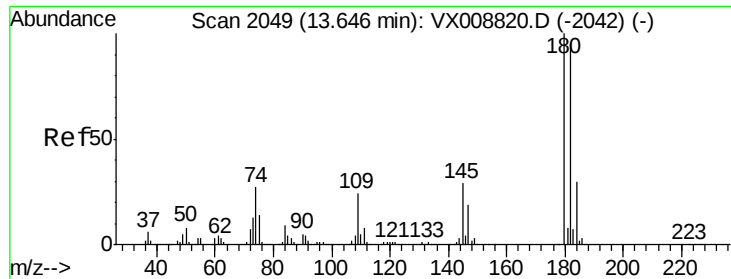
Delta R.T. -0.00 min

Lab File: VX008902.D

Acq: 12 Apr 2019 21:44

Tgt Ion:	75	Resp:	35937
Ion Ratio	Lower	Upper	
75	100		
155	82.3	39.9	119.6
157	103.9	51.5	154.7





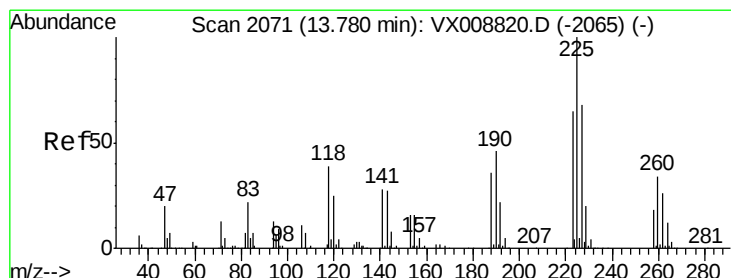
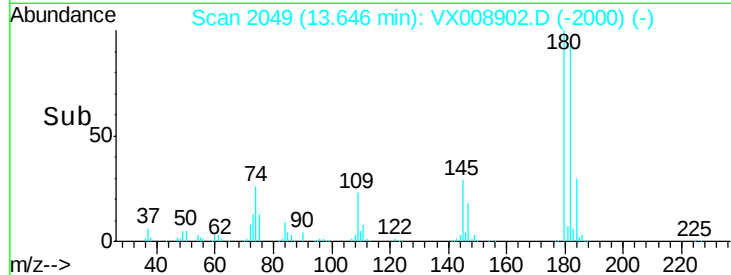
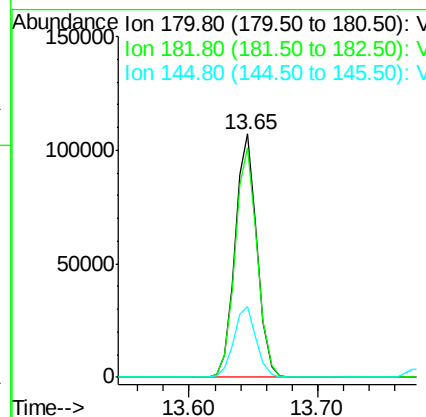
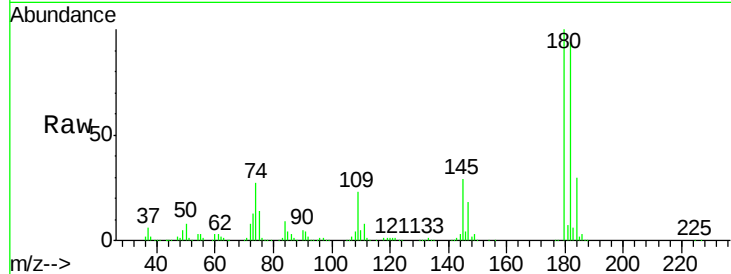
#93
 1,2,4-Trichlorobenzene
 Concen: 49.897 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	127365		
182	95.4	47.2	141.6	
145	29.5	15.3	45.9	

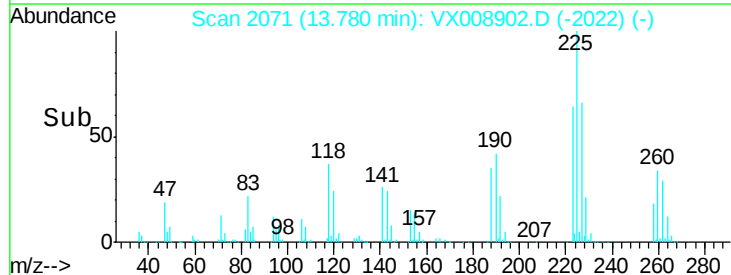
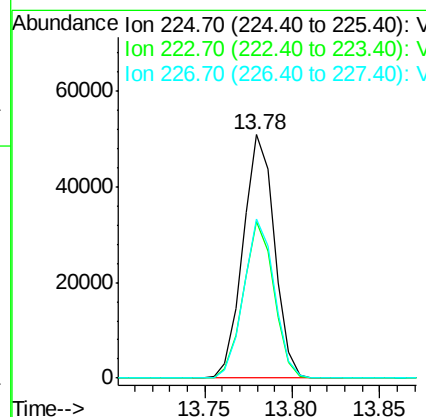
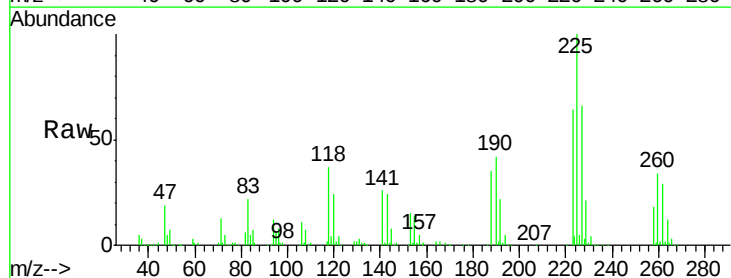
Manual Integrations
 APPROVED

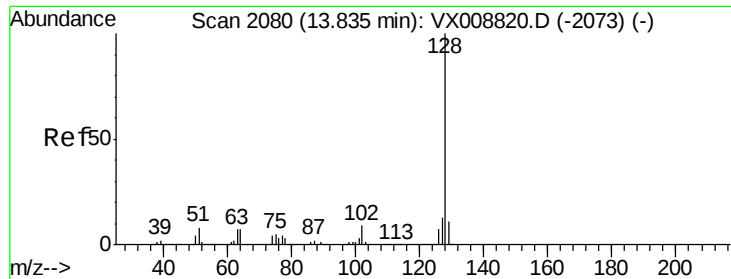
MMDadoda
 4/13/2019 2:12:11 PM



#94
 Hexachlorobutadiene
 Concen: 51.792 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008902.D
 Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63402		
223	62.3	31.2	93.6	
227	64.0	31.9	95.5	





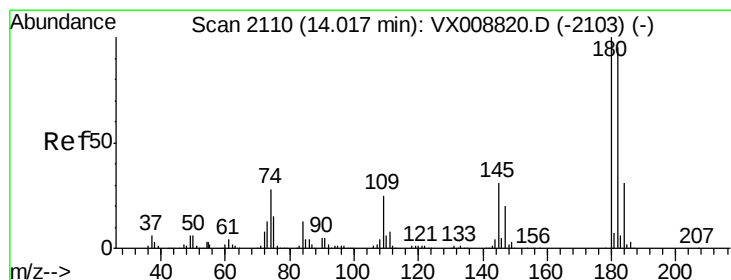
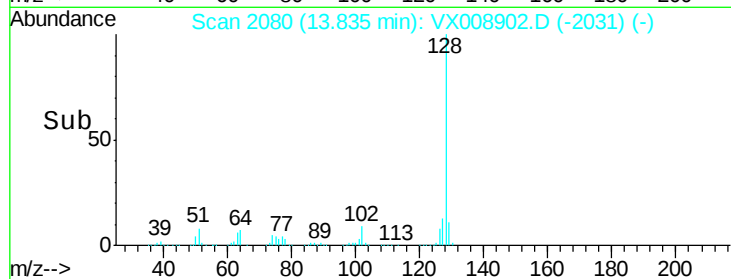
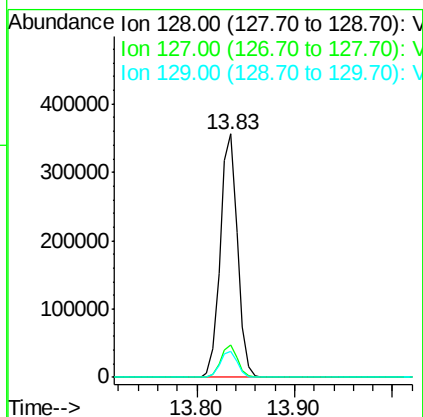
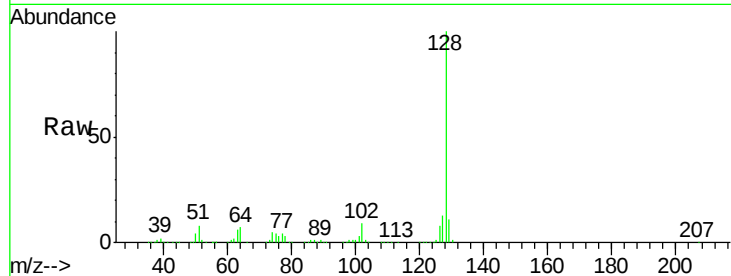
#95
Naphthalene
Concen: 50.694 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/13/2019 2:12:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.903 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008902.D
Acq: 12 Apr 2019 21:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.1	144.3
145	31.3	16.3	48.8

