

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032419\
 Data File : VX008378.D
 Acq On : 24 Mar 2019 09:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:24:14 AM

Quant Time: Mar 25 06:02:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	211365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	354006	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	318260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	152290	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	5.49	113	111715	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	8.71	98	449773	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	169254	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	116988	48.893	ug/l	100
3) Chloromethane	1.32	50	164360	46.337	ug/l	98
4) Vinyl Chloride	1.40	62	164524	47.523	ug/l	100
5) Bromomethane	1.64	94	99779	45.769	ug/l	99
6) Chloroethane	1.71	64	97071	47.876	ug/l	100
7) Trichlorofluoromethane	1.92	101	186111	47.273	ug/l	96
8) Diethyl Ether	2.18	74	85353	45.278	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	112177	48.099	ug/l	89
10) Methyl Iodide	2.51	142	134894	45.590	ug/l	96
11) Tert butyl alcohol	3.05	59	167778	233.656	ug/l	99
12) 1,1-Dichloroethene	2.37	96	112486	46.725	ug/l	90
13) Acrolein	2.29	56	157032	255.921	ug/l	99
14) Allyl chloride	2.72	41	247995	46.565	ug/l	95
15) Acrylonitrile	3.14	53	414922	225.645	ug/l	99
16) Acetone	2.44	43	393082	243.945	ug/l	97
17) Carbon Disulfide	2.57	76	342456	44.487	ug/l	99
18) Methyl Acetate	2.77	43	176764	43.826	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	404073	46.603	ug/l	99
20) Methylene Chloride	2.85	84	130776	45.083	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	118844	45.591	ug/l	91
22) Diisopropyl ether	3.85	45	486248	46.892	ug/l	92
23) Vinyl Acetate	3.81	43	2178609	237.959	ug/l	97
24) 1,1-Dichloroethane	3.69	63	243815	46.117	ug/l	98
25) 2-Butanone	4.67	43	621808	234.355	ug/l	96
26) 2,2-Dichloropropane	4.58	77	169909	49.882	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	137353	46.005	ug/l	90
28) Bromochloromethane	5.01	49	126615	47.974	ug/l #	78
29) Tetrahydrofuran	5.12	42	396157	224.866	ug/l	96
30) Chloroform	5.20	83	222376	46.653	ug/l	99
31) Cyclohexane	5.57	56	242062	47.747	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	180109	47.760	ug/l	96
36) 1,1-Dichloropropene	5.79	75	177906	49.180	ug/l	96
37) Ethyl Acetate	4.82	43	231669	47.320	ug/l	97
38) Carbon Tetrachloride	5.78	117	152142	49.064	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	227389	51.283	ug/l	91
40) Benzene	6.14	78	528633	47.985	ug/l	99
41) Methacrylonitrile	5.04	41	130225	48.800	ug/l	97
42) 1,2-Dichloroethane	6.19	62	191783	47.971	ug/l	95
43) Isopropyl Acetate	6.44	43	367238	48.171	ug/l	96
44) Trichloroethene	7.21	130	121290	47.410	ug/l	87
45) 1,2-Dichloropropane	7.51	63	149854	48.049	ug/l	99
46) Dibromomethane	7.66	93	85488	46.188	ug/l #	85
47) Bromodichloromethane	7.89	83	172948	48.989	ug/l	99
48) Methyl methacrylate	7.77	41	187268	48.681	ug/l	93
49) 1,4-Dioxane	7.74	88	74964	965.856	ug/l	91
51) 4-Methyl-2-Pentanone	8.64	43	1209820	241.870	ug/l	97
52) Toluene	8.78	92	319351	49.436	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	196122	51.670	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	219902	51.099	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	128405	47.854	ug/l	98
56) Ethyl methacrylate	9.18	69	239786	50.478	ug/l	91
57) 1,3-Dichloropropane	9.37	76	229161	47.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	633784	247.452	ug/l	92
59) 2-Hexanone	9.49	43	955815	248.924	ug/l	96
60) Dibromochloromethane	9.58	129	125619	50.437	ug/l	99
61) 1,2-Dibromoethane	9.67	107	132626	48.702	ug/l	99
64) Tetrachloroethene	9.33	164	100673	48.372	ug/l	94
65) Chlorobenzene	10.13	112	324732	48.652	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	113409	48.995	ug/l	98
67) Ethyl Benzene	10.25	91	625940	50.083	ug/l	97
68) m/p-Xylenes	10.36	106	451855	100.624	ug/l	91
69) o-Xylene	10.69	106	217414	49.514	ug/l	92
70) Styrene	10.71	104	386150	50.708	ug/l	96
71) Bromoform	10.85	173	89970	50.458	ug/l #	100
73) Isopropylbenzene	11.02	105	588076	47.120	ug/l	98
74) N-amyl acetate	10.90	43	356463	48.784	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	223716	45.003	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	186365m	45.022	ug/l	
77) Bromobenzene	11.26	156	135857	46.006	ug/l	80
78) n-propylbenzene	11.36	91	712245	48.692	ug/l	95
79) 2-Chlorotoluene	11.42	91	415890	46.675	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	511867	48.213	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	71043	48.909	ug/l #	86
82) 4-Chlorotoluene	11.51	91	488082	47.540	ug/l	94
83) tert-Butylbenzene	11.77	119	481092	47.586	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	513581	48.474	ug/l	97
85) sec-Butylbenzene	11.94	105	594805	49.089	ug/l	95
86) p-Isopropyltoluene	12.06	119	537716	50.348	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	253299	47.759	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	255212	47.292	ug/l	97
89) n-Butylbenzene	12.38	91	520855	51.085	ug/l	97
90) Hexachloroethane	12.60	117	87326	49.500	ug/l	79
91) 1,2-Dichlorobenzene	12.39	146	257541	47.945	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51831	48.919	ug/l	76

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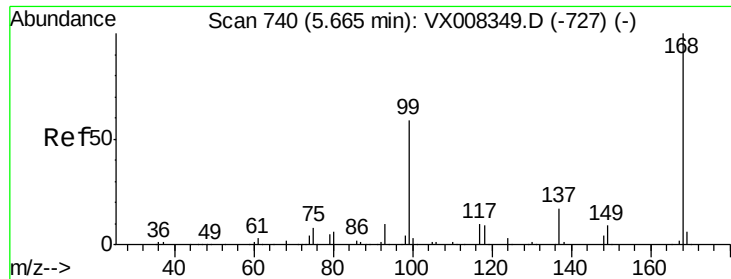
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	182823	50.473	ug/l	99
94) Hexachlorobutadiene	13.78	225	87358	51.032	ug/l	99
95) Naphthalene	13.83	128	621143	48.832	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	182665	49.975	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 211365

Ion Ratio Lower Upper

168 100

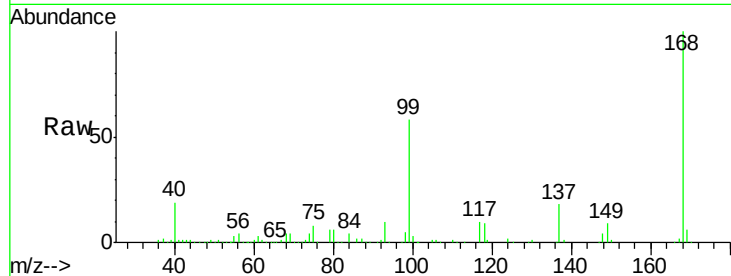
99 58.3 37.6 56.4#

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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

80000

60000

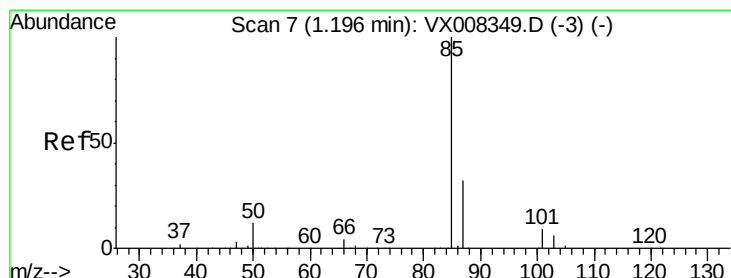
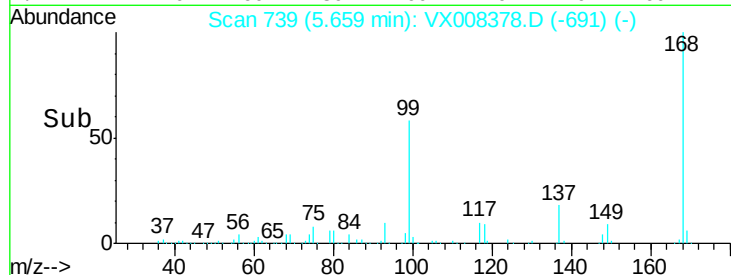
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.893 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008378.D

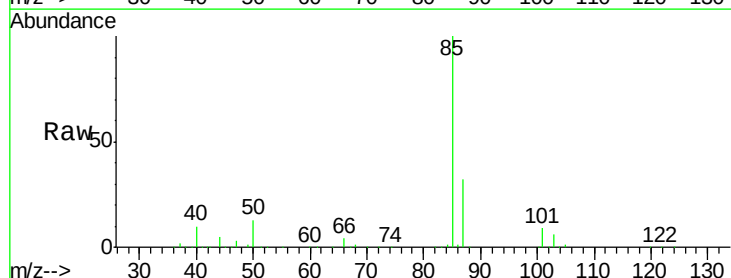
Acq: 24 Mar 2019 09:48

Tgt Ion: 85 Resp: 116988

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

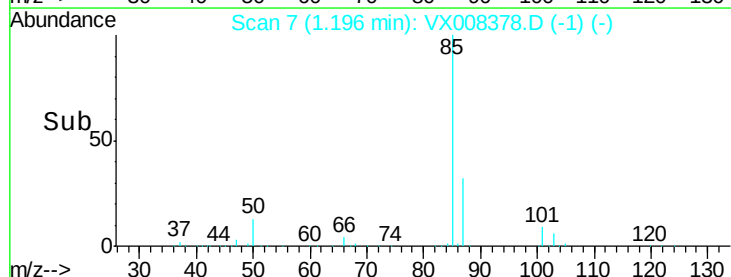
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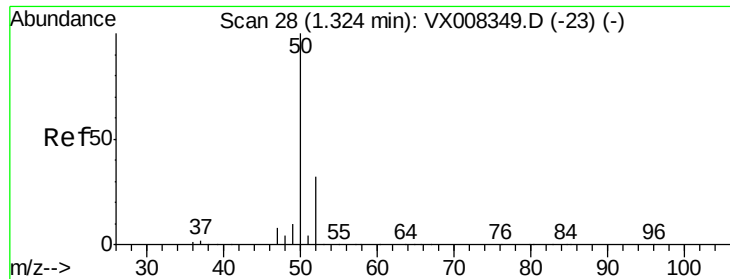
20000

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Time-->

1.15 1.20 1.25 1.30 1.35





#3

Chloromethane

Concen: 46.337 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 164360

Ion Ratio Lower Upper

50 100

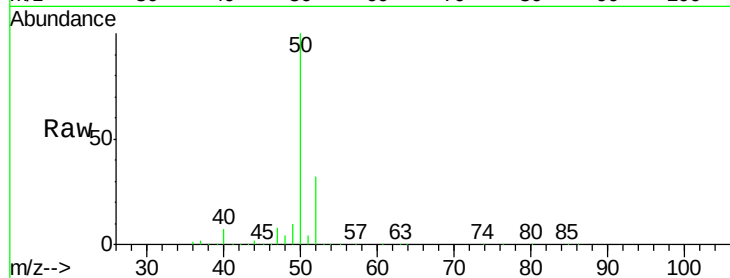
52 32.1 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

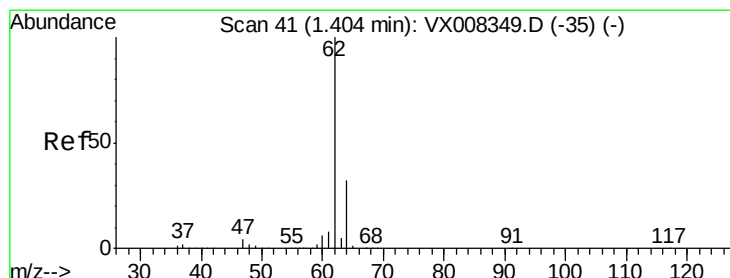
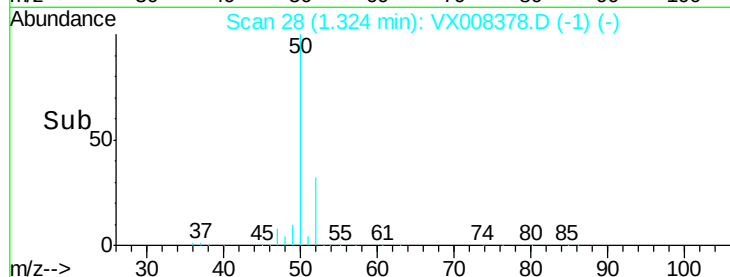
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.523 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008378.D

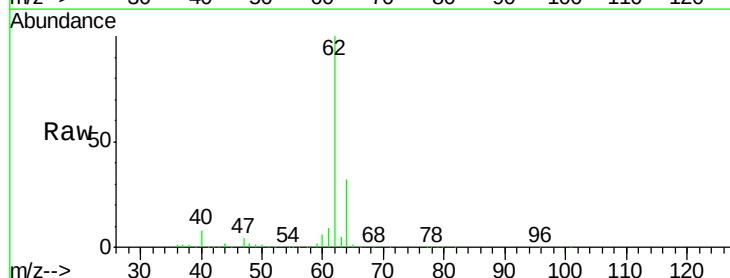
Acq: 24 Mar 2019 09:48

Tgt Ion: 62 Resp: 164524

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

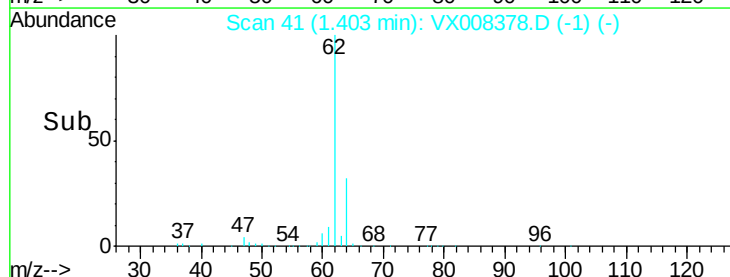
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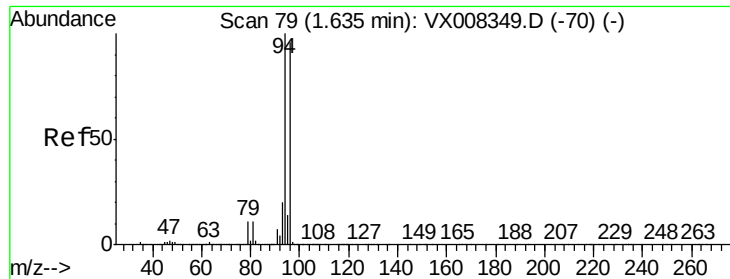
100000

50000

0

Time-->





#5

Bromomethane

Concen: 45.769 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 99779

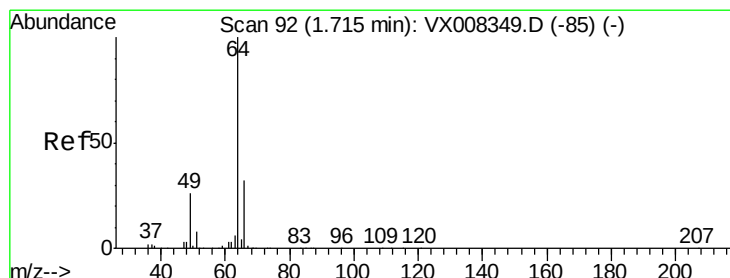
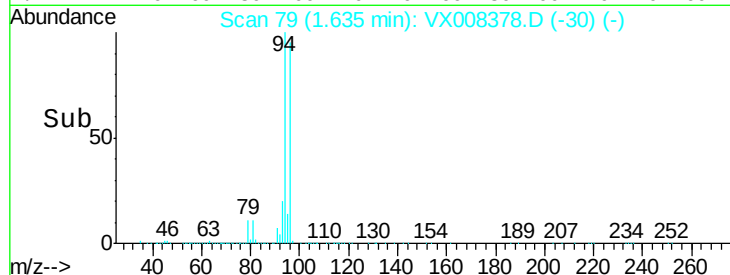
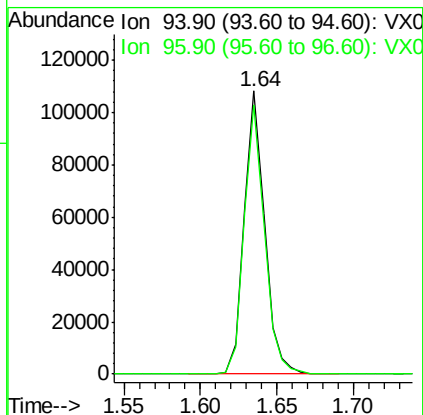
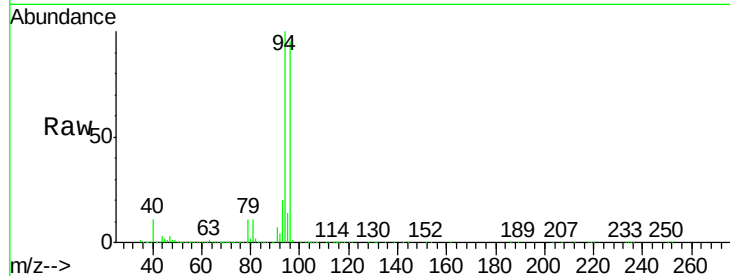
Ion Ratio Lower Upper

94 100

96 95.1 75.5 113.3

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#6

Chloroethane

Concen: 47.876 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008378.D

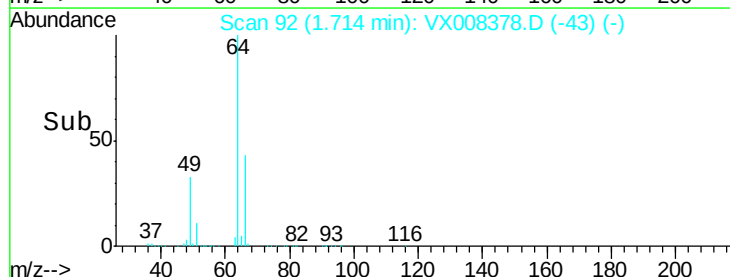
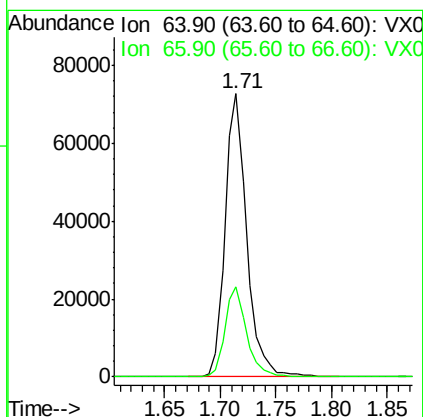
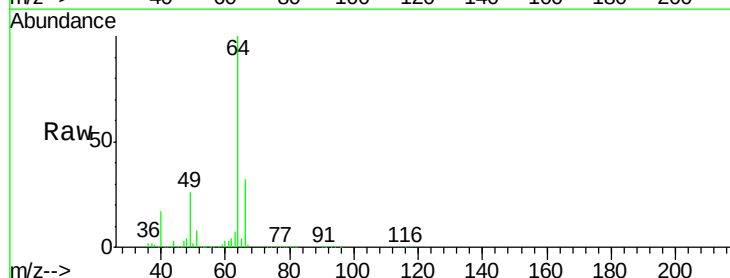
Acq: 24 Mar 2019 09:48

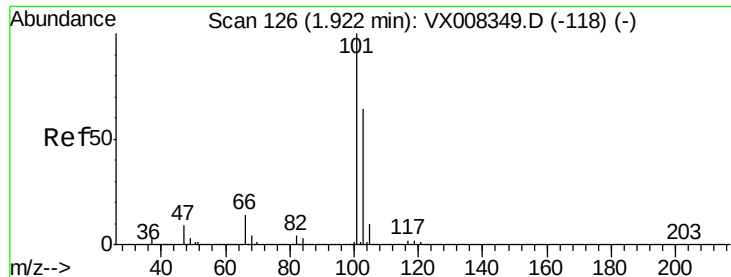
Tgt Ion: 64 Resp: 97071

Ion Ratio Lower Upper

64 100

66 31.6 25.2 37.8





#7

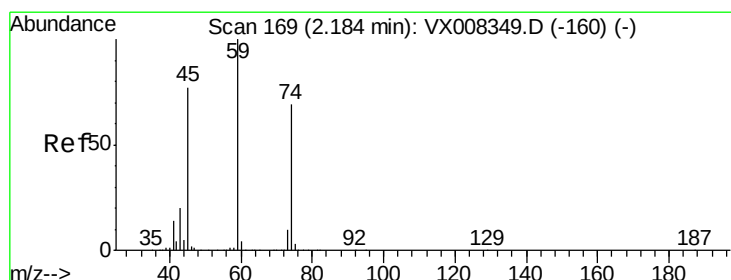
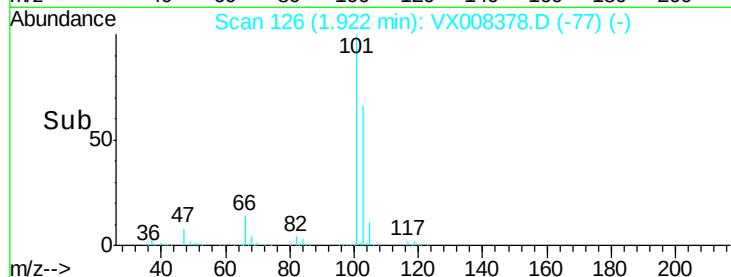
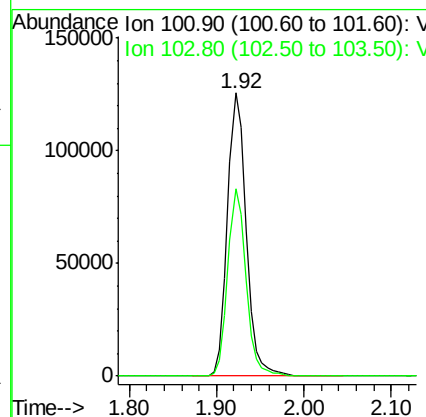
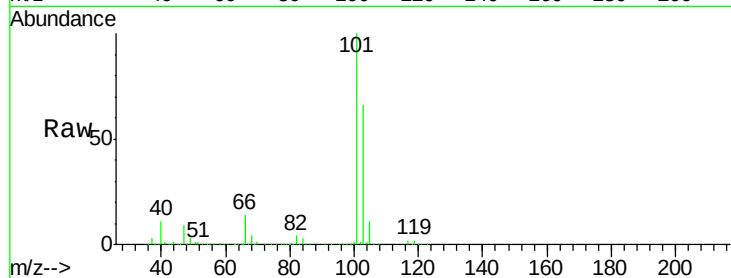
Trichlorofluoromethane
Concen: 47.273 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	50.4	75.6

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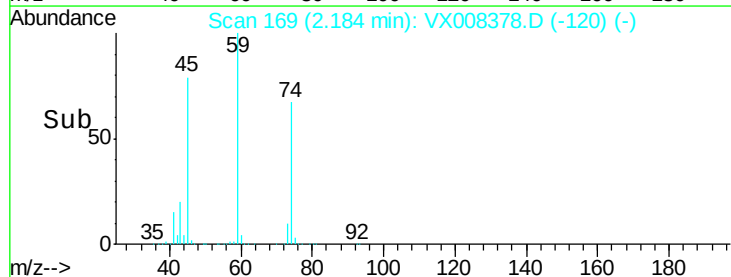
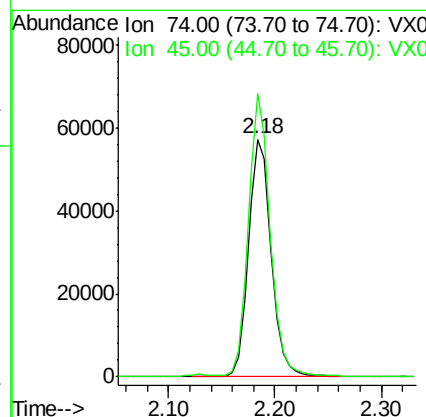
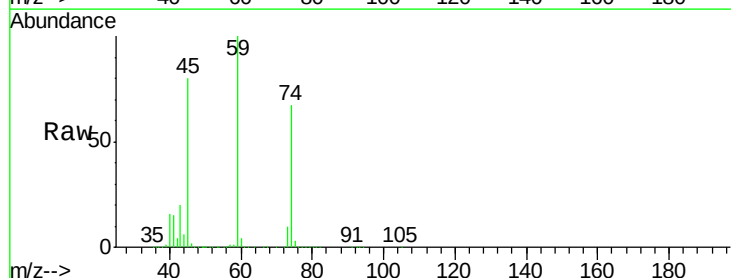
MMDadoda
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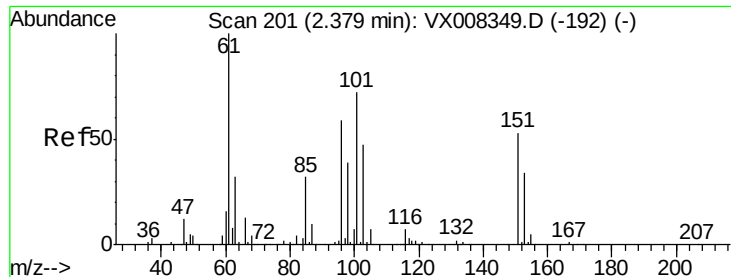


#8

Diethyl Ether
Concen: 45.278 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.9	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.099 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

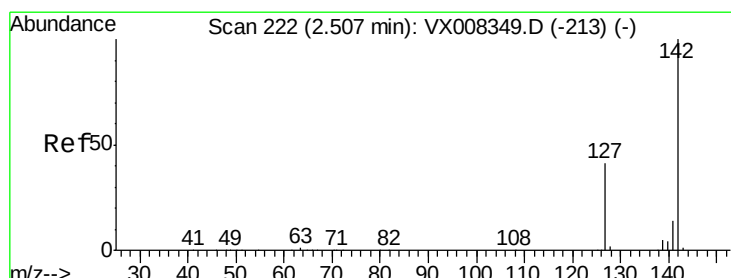
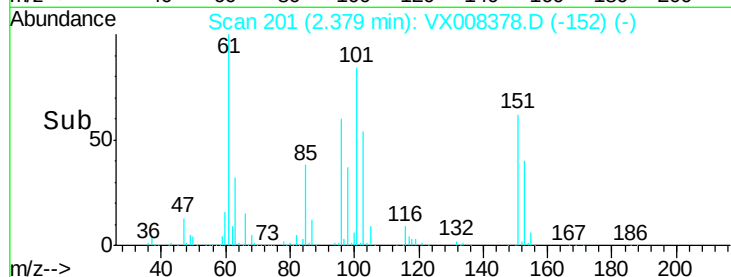
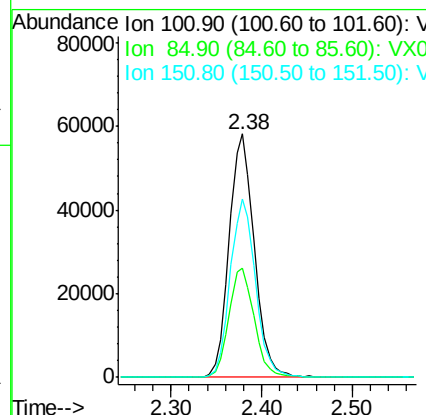
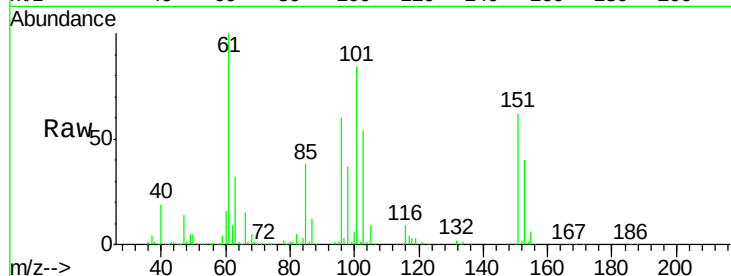
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	112177
Ion Ratio	Lower	Upper	
101	100		
85	45.3	33.8	50.6
151	73.9	69.1	103.7

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#10

Methyl Iodide

Concen: 45.590 ug/l

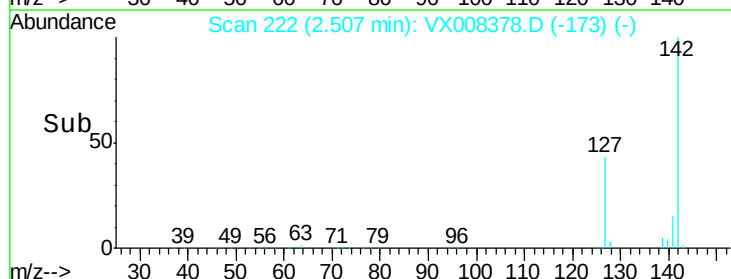
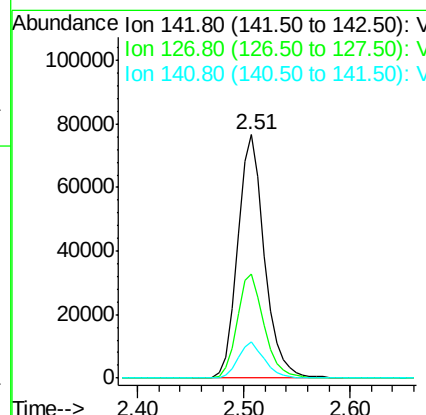
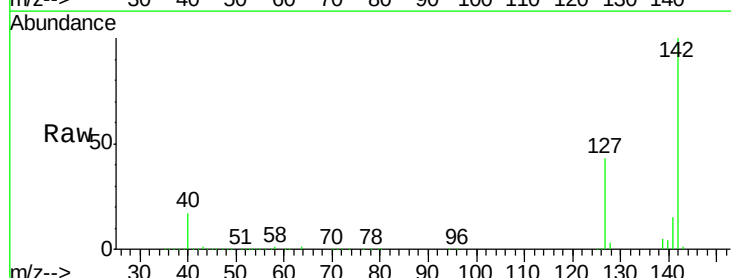
RT: 2.51 min Scan# 222

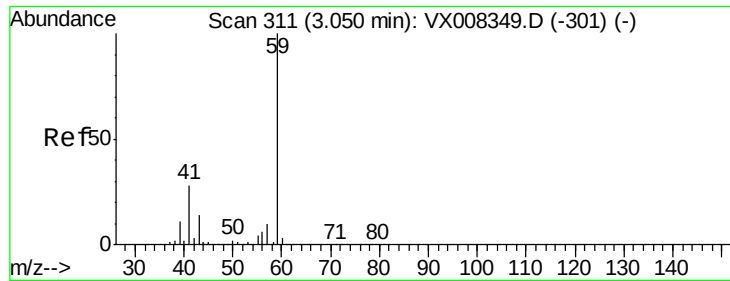
Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Tgt Ion:	142	Resp:	134894
Ion Ratio	Lower	Upper	
142	100		
127	43.2	32.1	48.1
141	14.7	11.4	17.2





#11

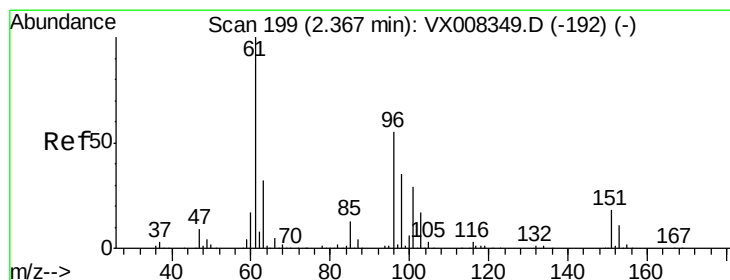
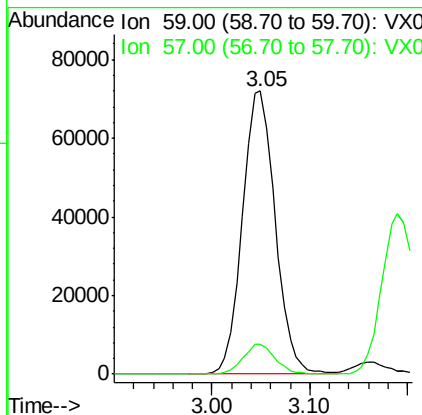
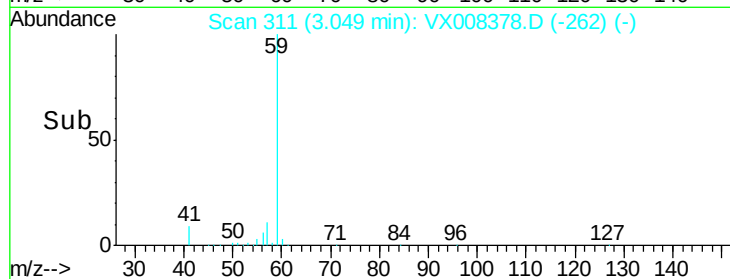
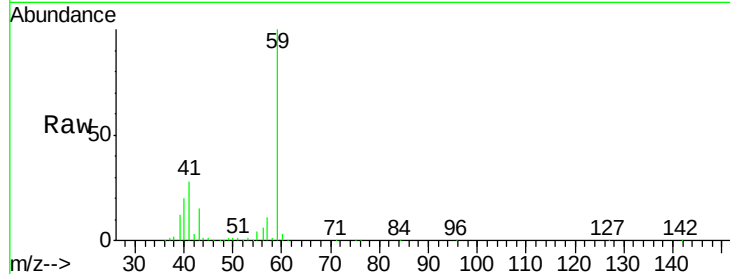
Tert butyl alcohol
Concen: 233.656 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.5	Resp	167778	Lower	Upper
59	100								
57		10.5						8.2	12.2

Manual Integrations
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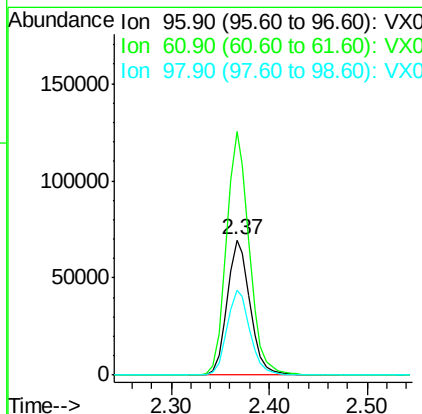
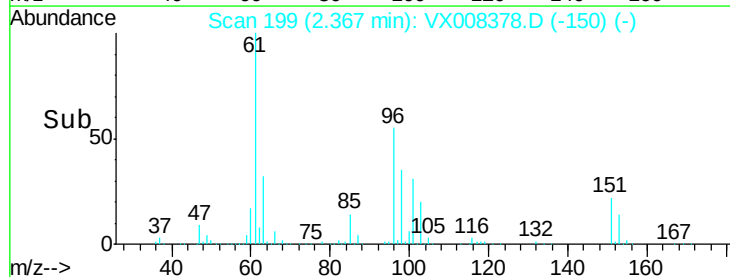
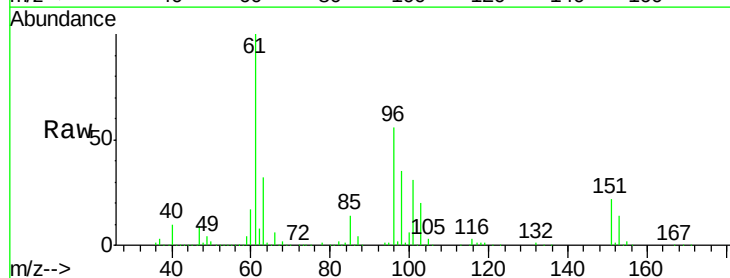
MMDadoda
3/25/2019 11:24:14 AM

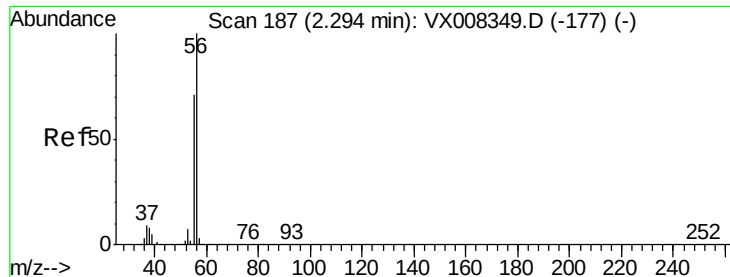


#12

1,1-Dichloroethene
Concen: 46.725 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion	96	61	98	Ratio	100	179.9	62.8	Resp	112486	Lower	Upper
96	100										
61		179.9								129.8	194.6
98		62.8								51.0	76.6





#13

Acrolein

Concen: 255.921 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 157032

Ion Ratio Lower Upper

56 100

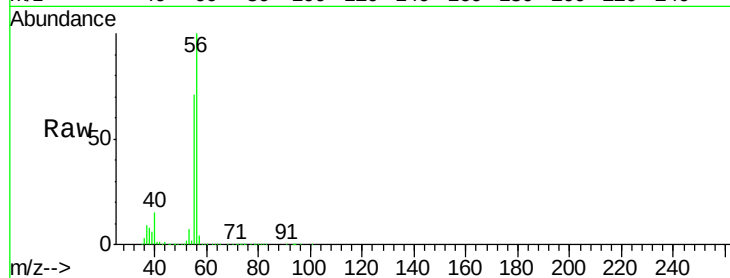
55 71.4 57.8 86.6

Manual Integrations

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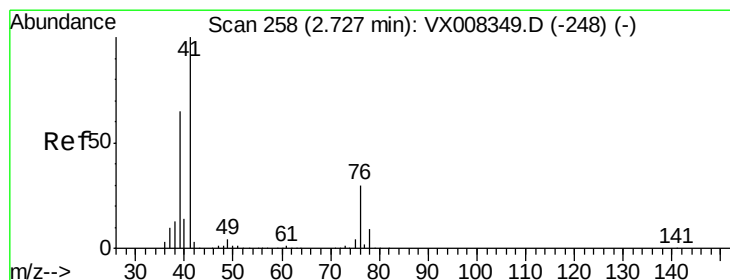
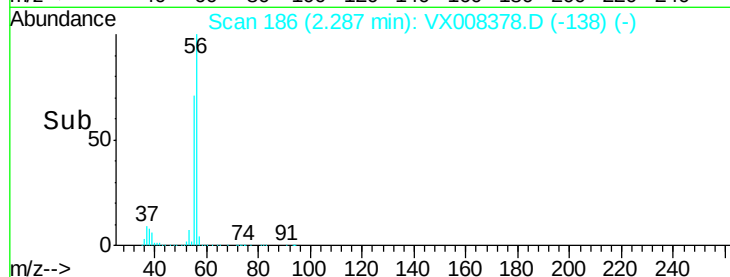
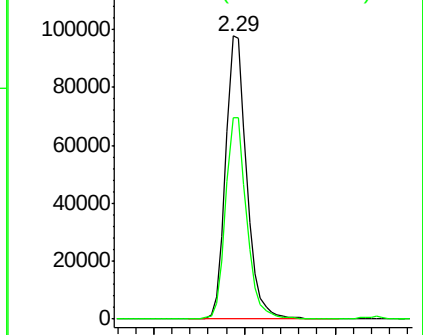
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.565 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

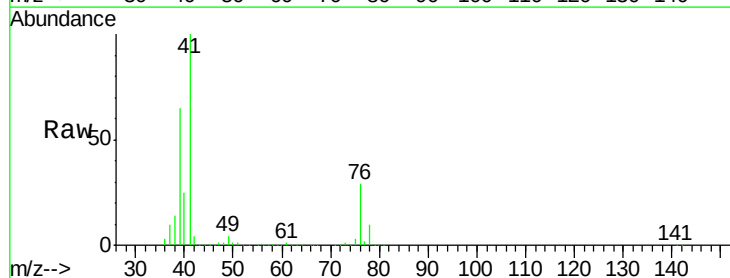
Tgt Ion: 41 Resp: 247995

Ion Ratio Lower Upper

41 100

39 62.1 46.1 69.1

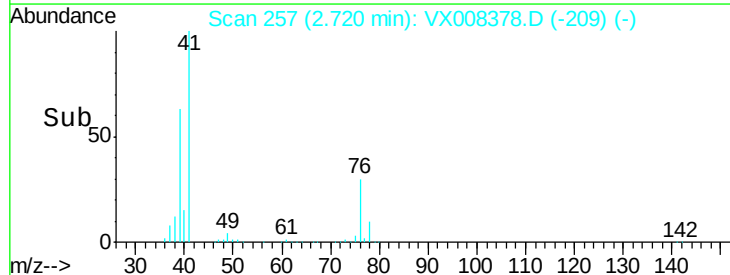
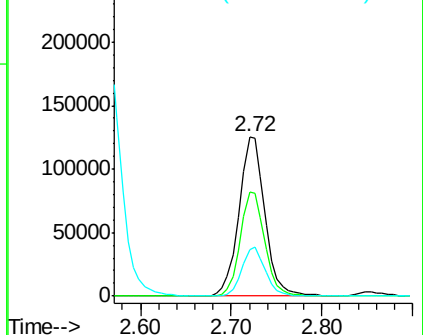
76 27.7 24.0 36.0

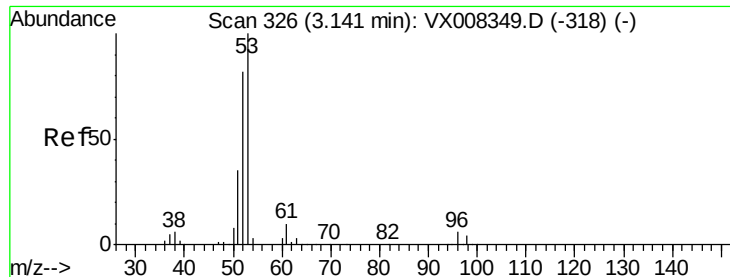


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 225.645 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

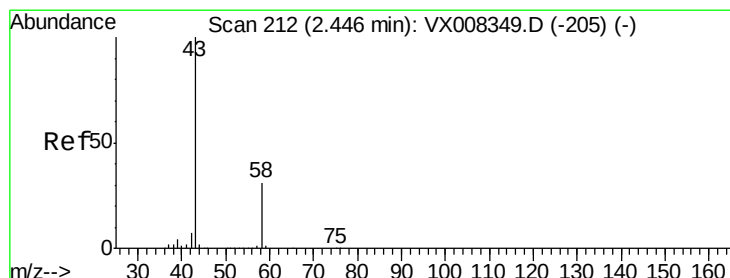
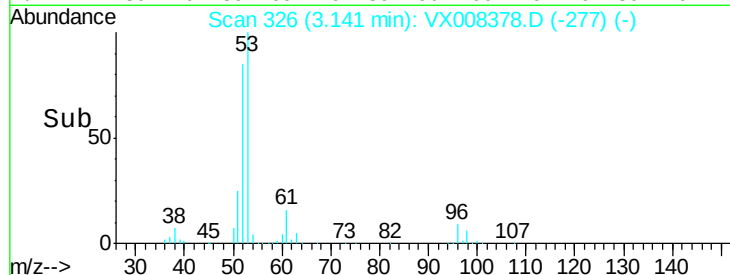
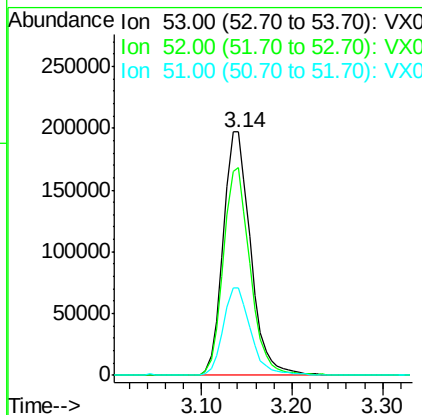
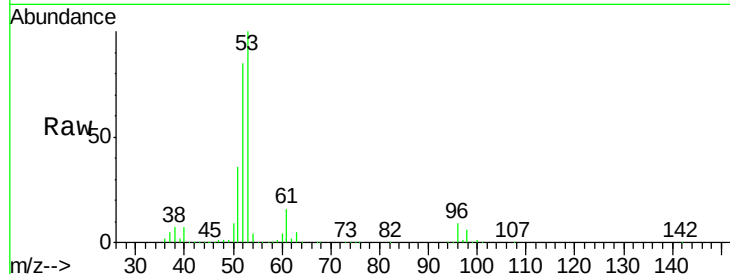
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	414922
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.0	99.0
51	36.2	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 243.945 ug/l

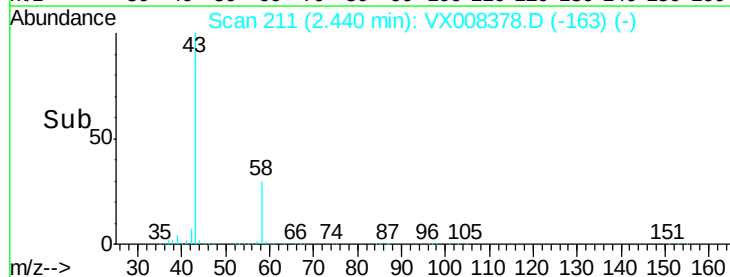
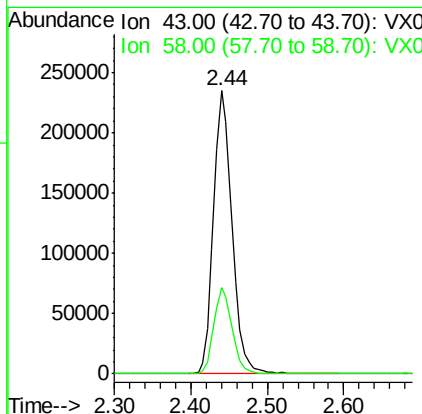
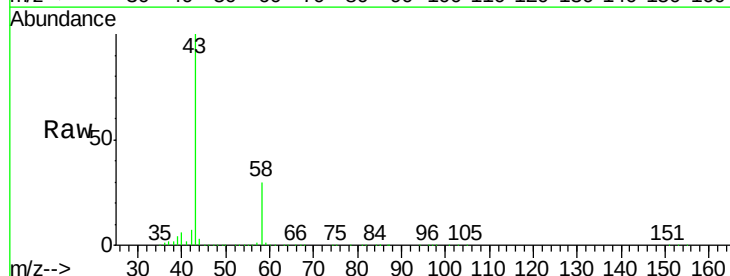
RT: 2.44 min Scan# 211

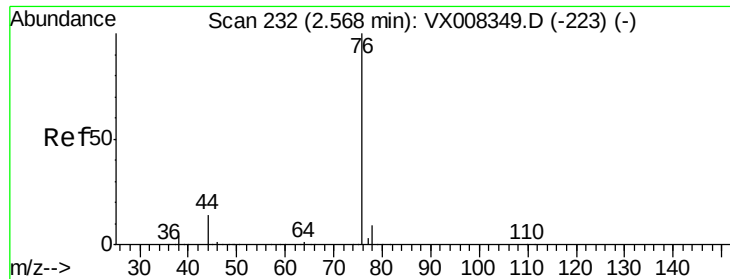
Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Tgt Ion:	43	Resp:	393082
Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.5	38.3





#17

Carbon Disulfide

Concen: 44.487 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 342456

Ion Ratio Lower Upper

76 100

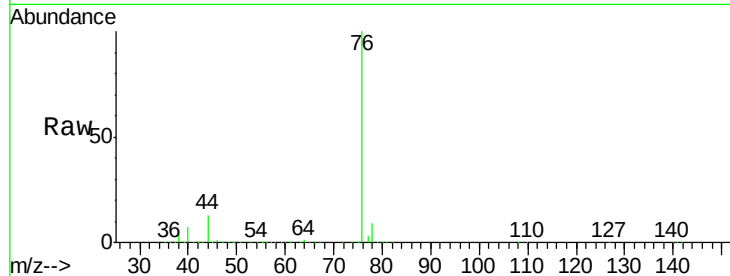
78 8.8 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

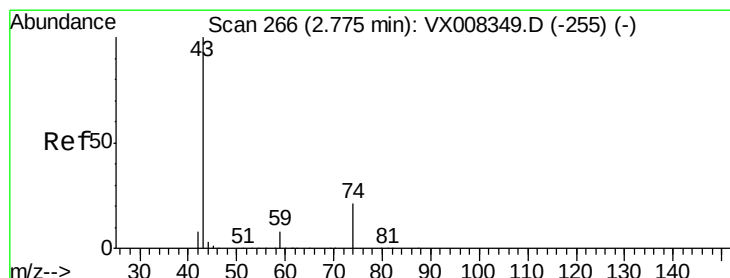
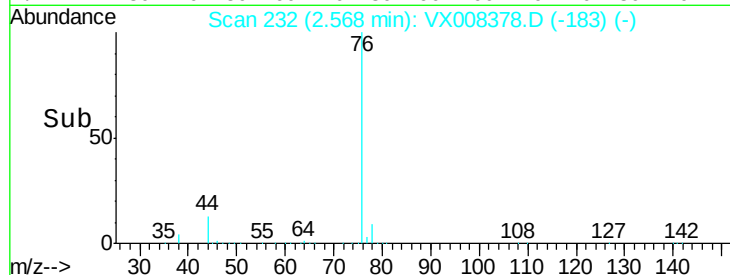
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.826 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008378.D

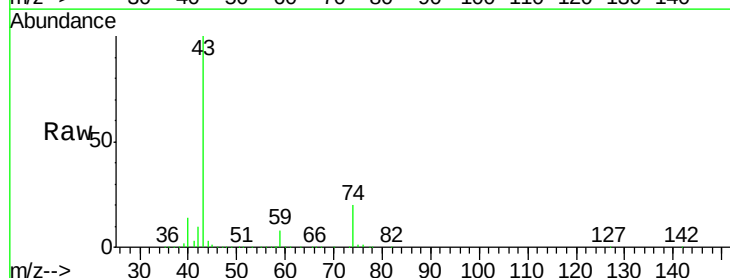
Acq: 24 Mar 2019 09:48

Tgt Ion: 43 Resp: 176764

Ion Ratio Lower Upper

43 100

74 21.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

120000

100000

80000

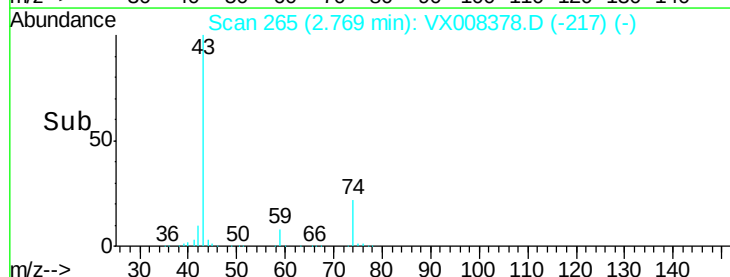
60000

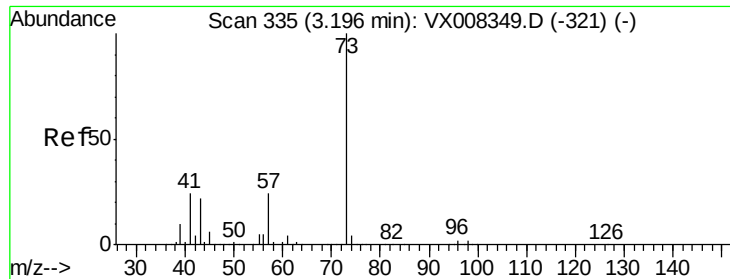
40000

20000

0

Time-->





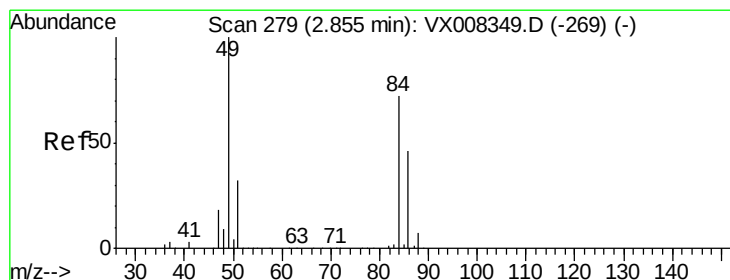
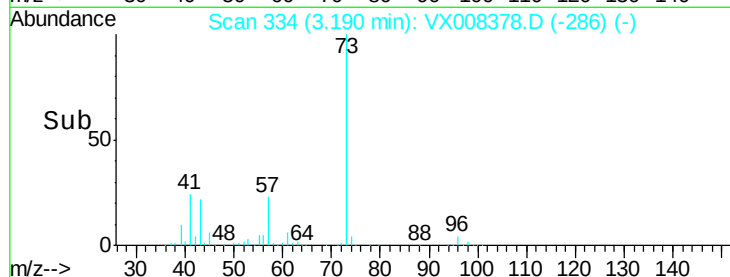
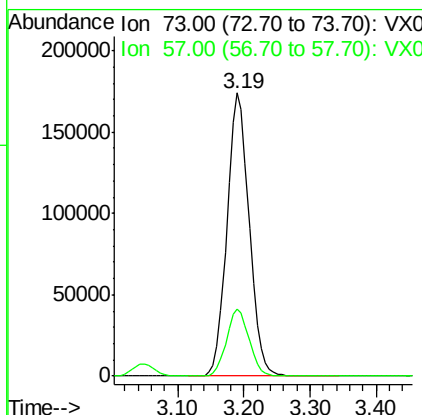
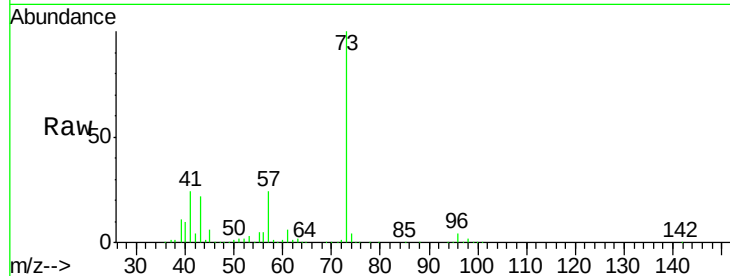
#19
Methyl tert-butyl Ether
Concen: 46.603 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 404073
Ion Ratio Lower Upper
73 100
57 23.5 18.2 27.4

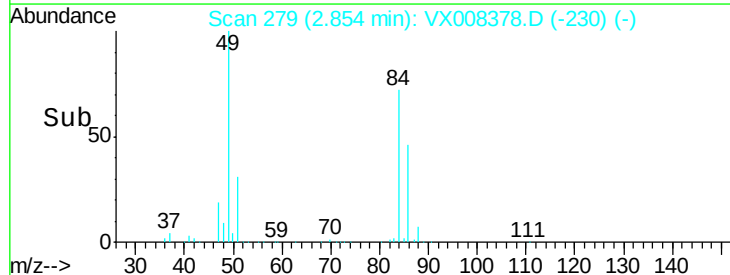
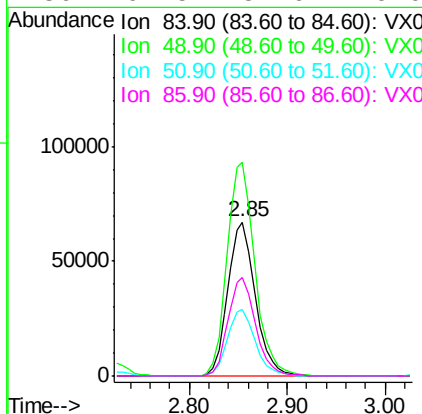
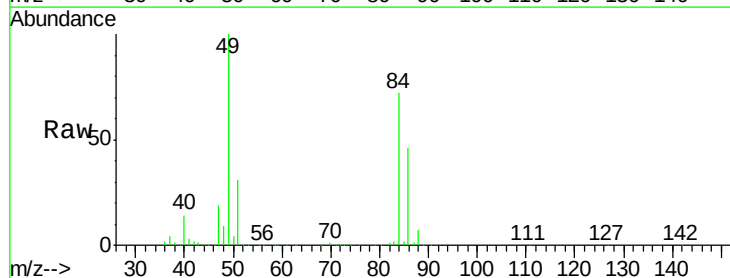
Manual Integrations
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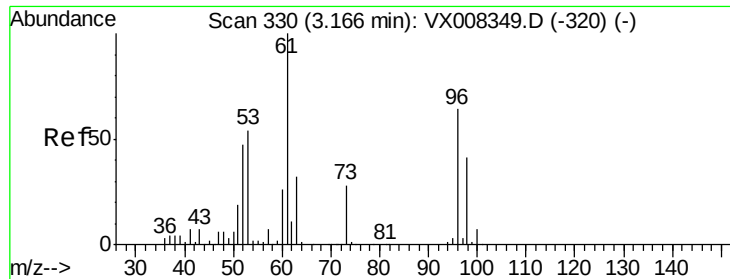
MMDadoda
3/25/2019 11:24:14 AM



#20
Methylene Chloride
Concen: 45.083 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion: 84 Resp: 130776
Ion Ratio Lower Upper
84 100
49 138.7 99.3 148.9
51 43.6 31.3 46.9
86 64.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 45.591 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 118844

Ion Ratio Lower Upper

96 100

61 157.3 114.4 171.6

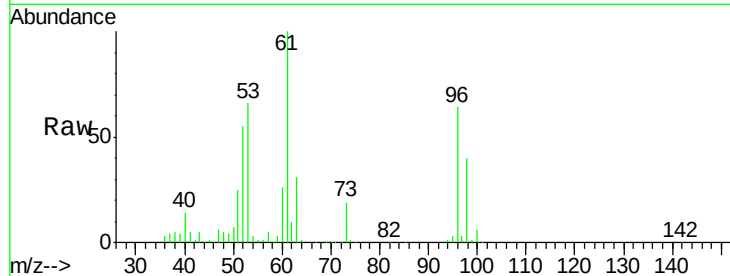
98 62.4 51.1 76.7

Manual Integrations

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MMDadoda

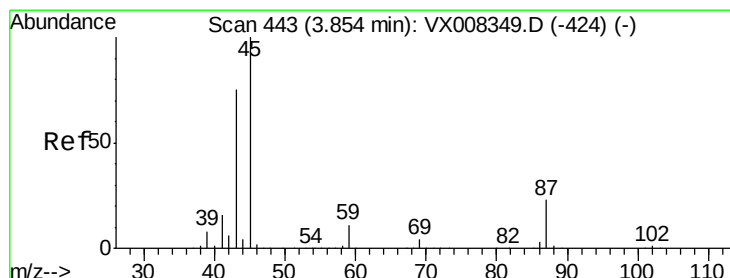
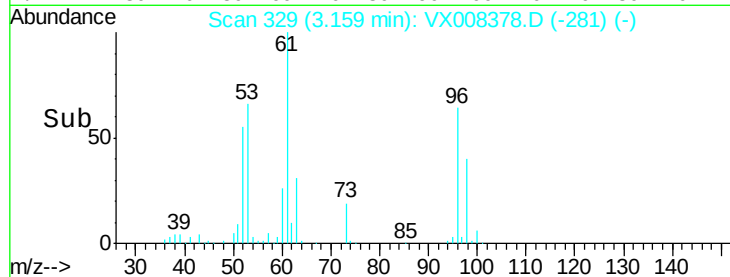
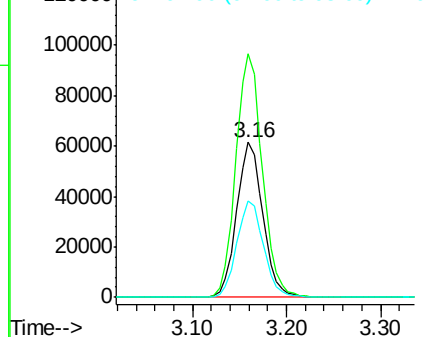
3/25/2019 11:24:14 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 46.892 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Tgt Ion: 45 Resp: 486248

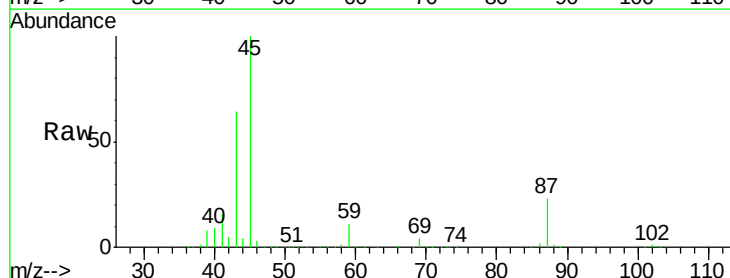
Ion Ratio Lower Upper

45 100

43 64.0 45.3 67.9

87 23.3 21.4 32.0

59 10.8 9.5 14.3

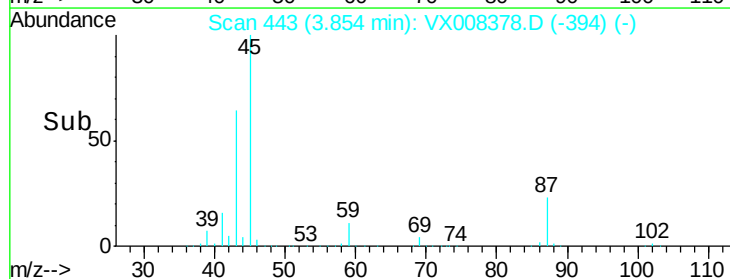
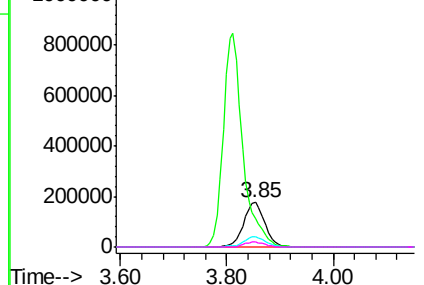


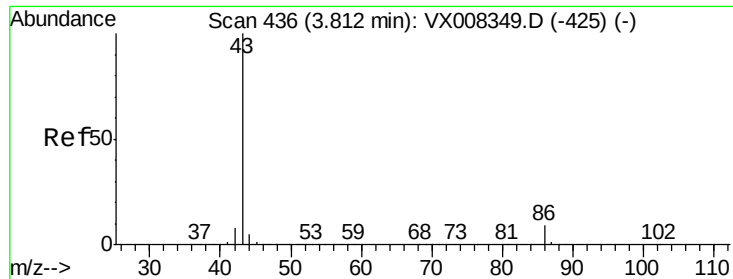
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 237.959 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2178609

Ion Ratio Lower Upper

43 100

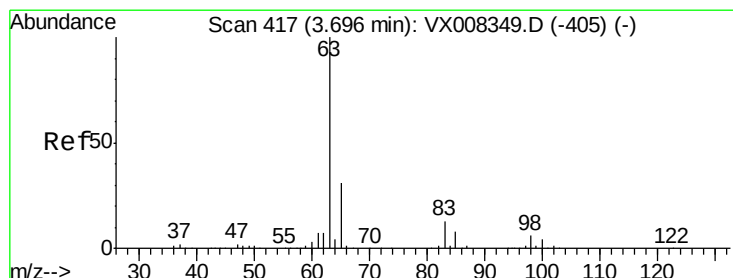
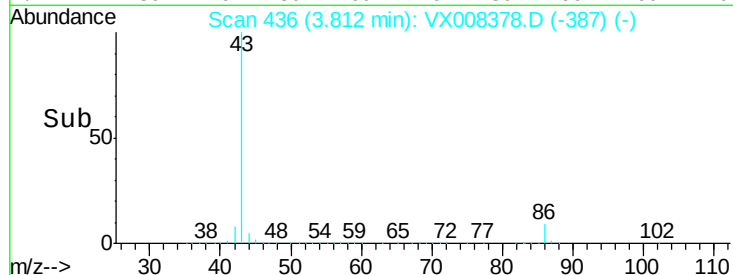
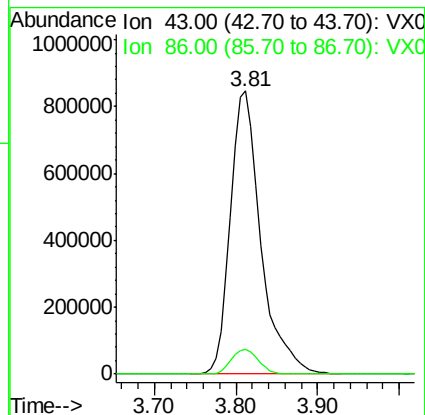
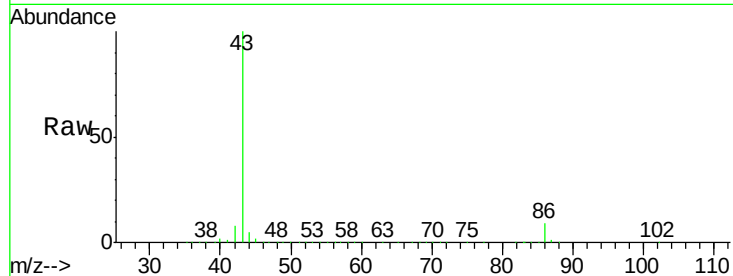
86 8.9 7.9 11.9

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 46.117 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

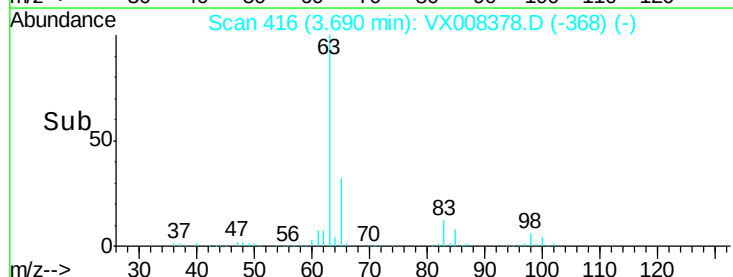
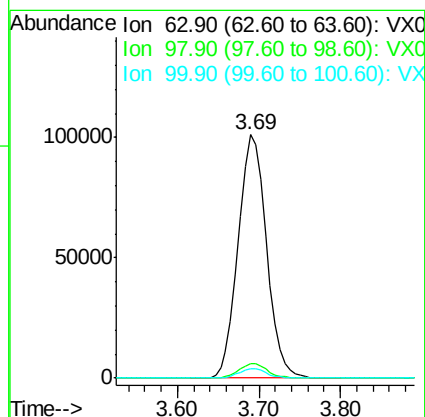
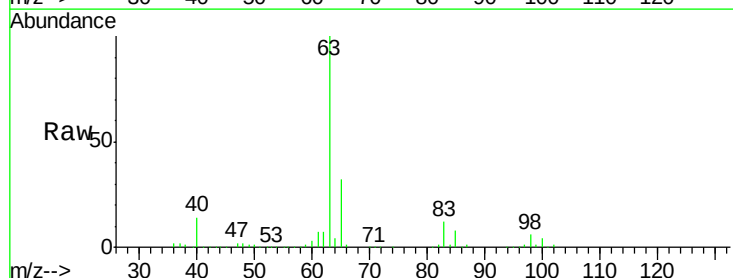
Tgt Ion: 63 Resp: 243815

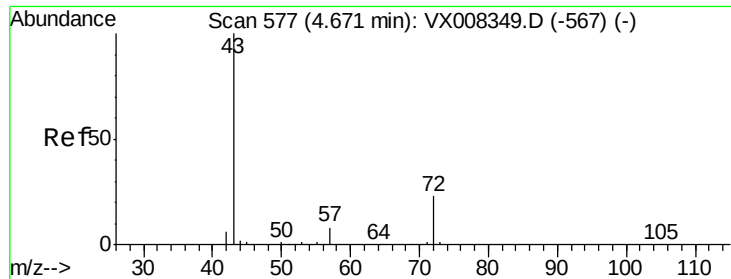
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 3.7 2.3 6.8





#25

2-Butanone

Concen: 234.355 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 621808

Ion Ratio Lower Upper

43 100

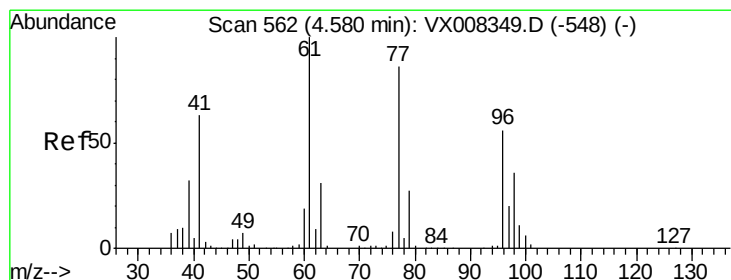
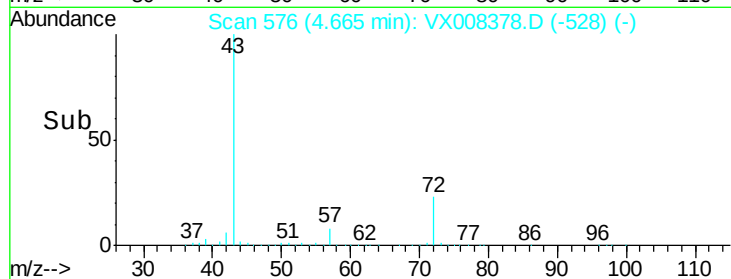
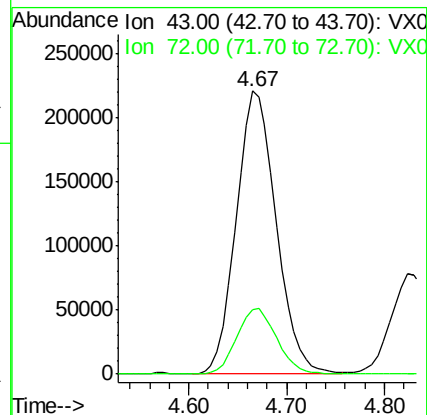
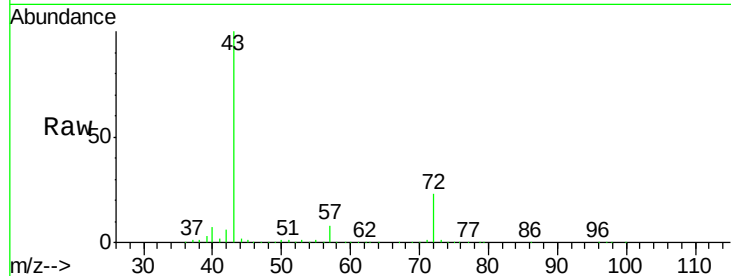
72 22.7 19.9 29.9

Manual Integrations

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MMDadoda

3/25/2019 11:24:14 AM



#26

2,2-Dichloropropane

Concen: 49.882 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX008378.D

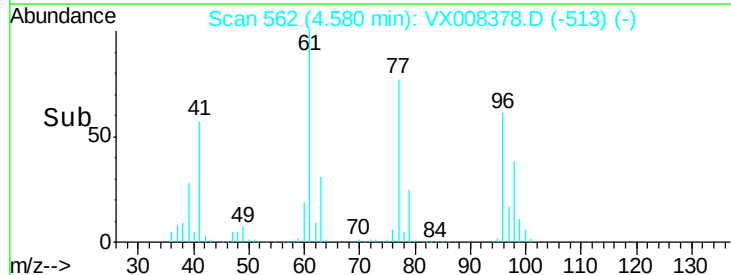
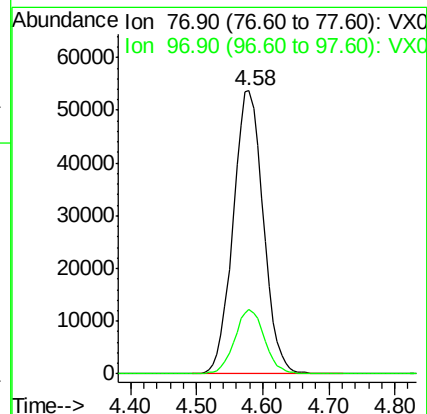
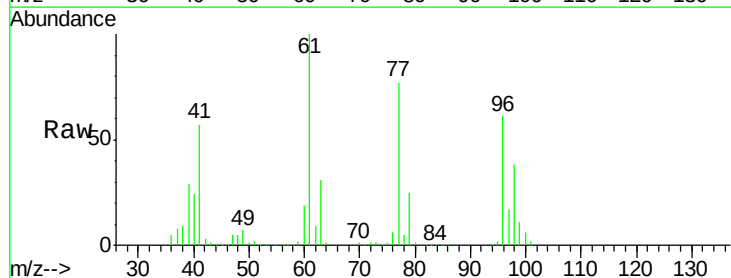
Acq: 24 Mar 2019 09:48

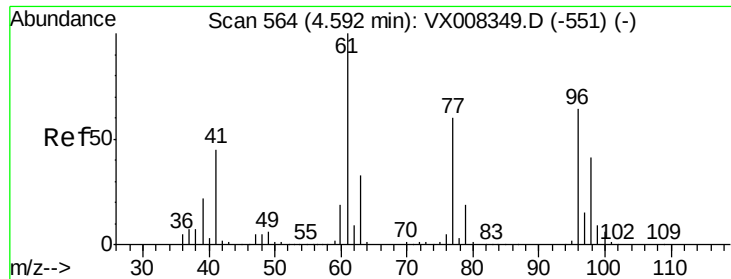
Tgt Ion: 77 Resp: 169909

Ion Ratio Lower Upper

77 100

97 22.5 12.2 36.6





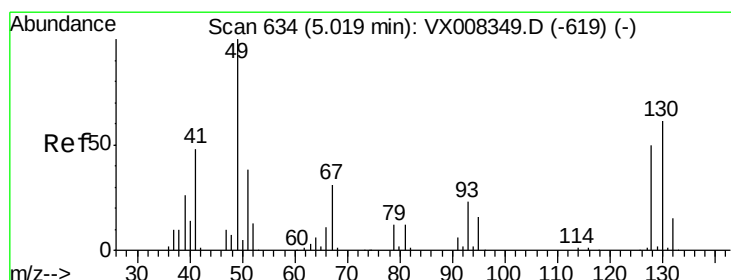
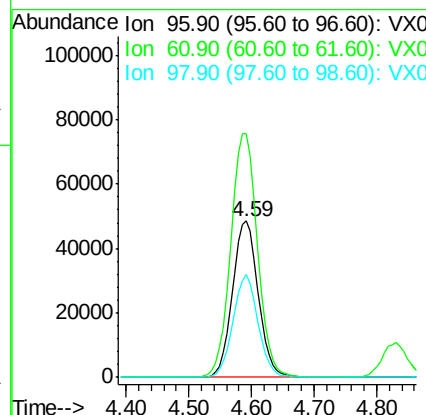
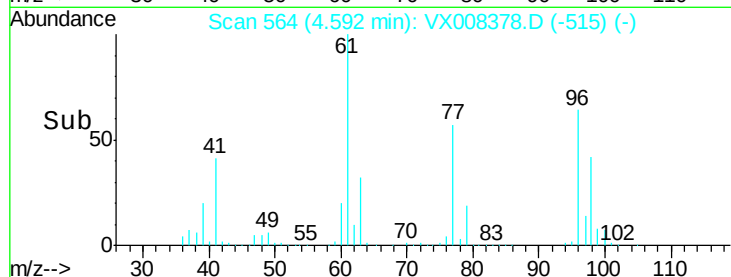
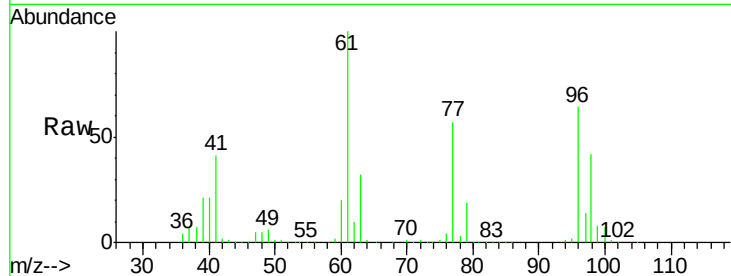
#27
 cis-1,2-Dichloroethene
 Concen: 46.005 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.2	0.0	288.0
98	64.3	0.0	129.0

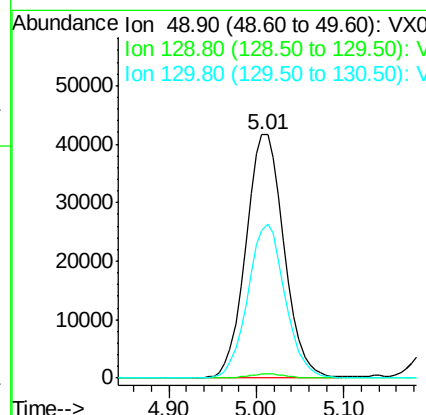
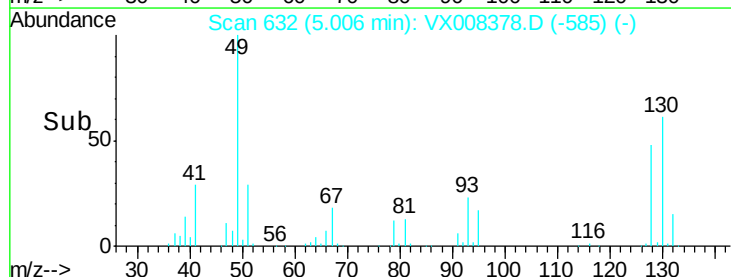
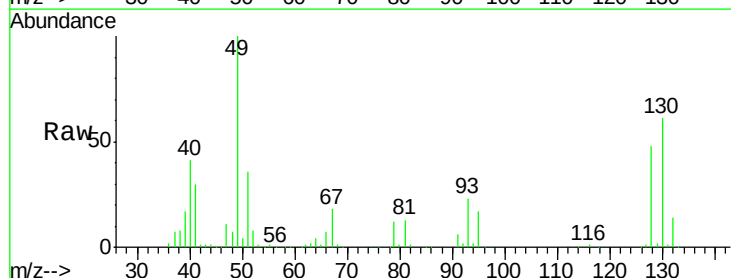
Manual Integrations
 APPROVED

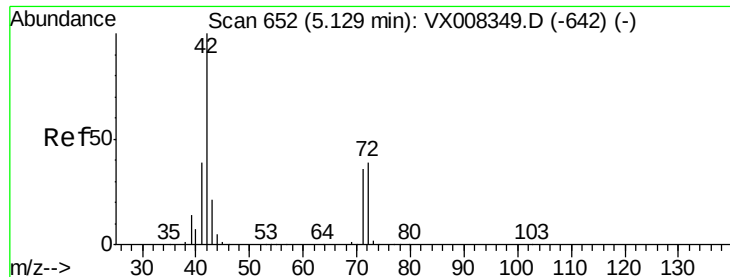
MMDadoda
 3/25/2019 11:24:14 AM



#28
 Bromochloromethane
 Concen: 47.974 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	61.6	65.0	97.4#





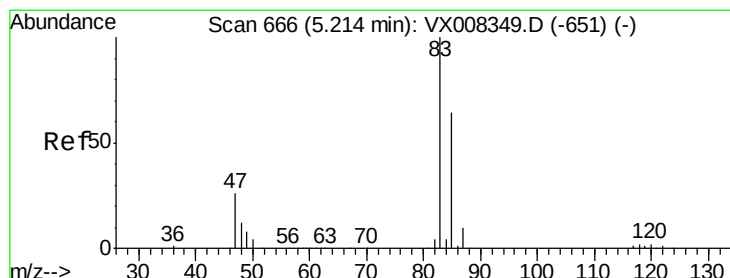
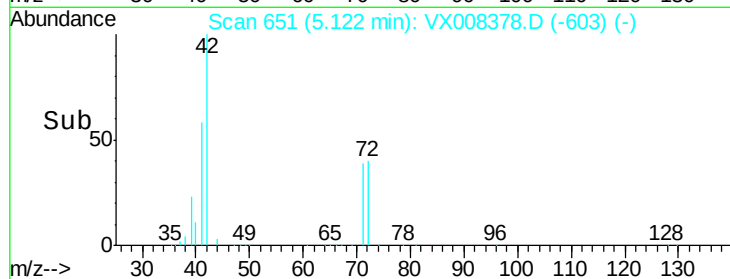
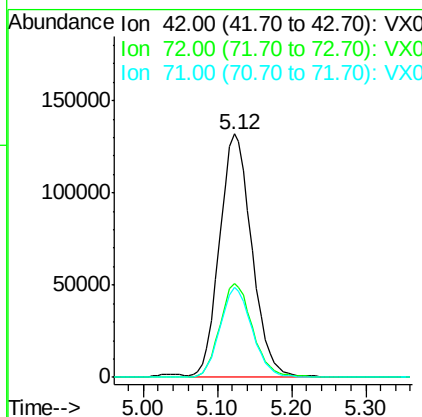
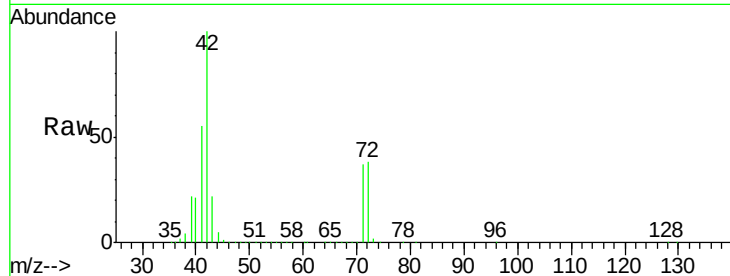
#29
Tetrahydrofuran
Concen: 224.866 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	33.8	50.6
71	36.8	31.5	47.3

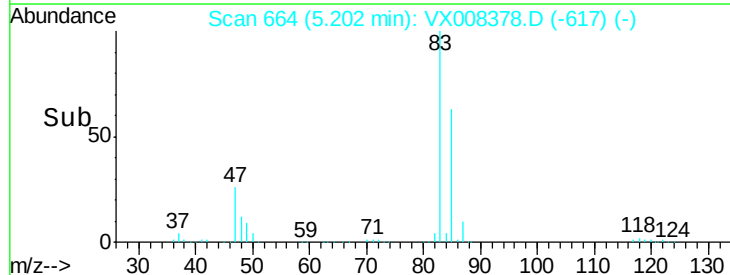
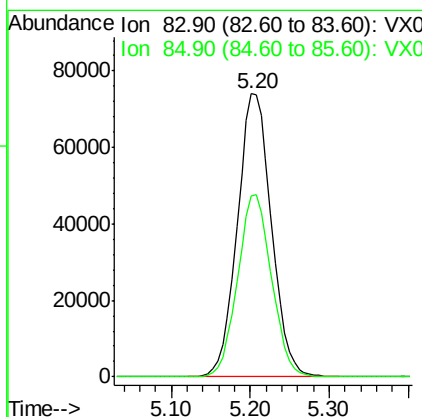
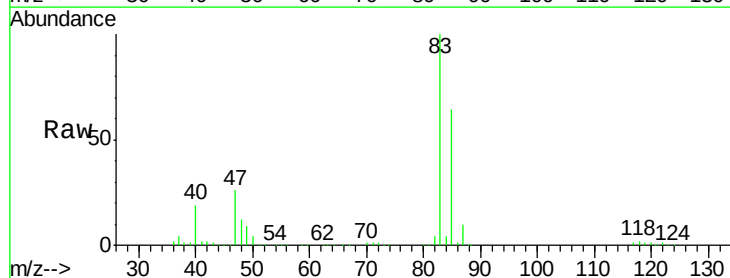
Manual Integrations
APPROVED

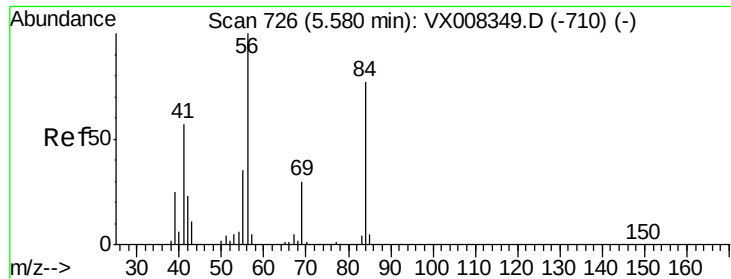
MMDadoda
3/25/2019 11:24:14 AM



#30
Chloroform
Concen: 46.653 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6





#31

Cyclohexane

Concen: 47.747 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

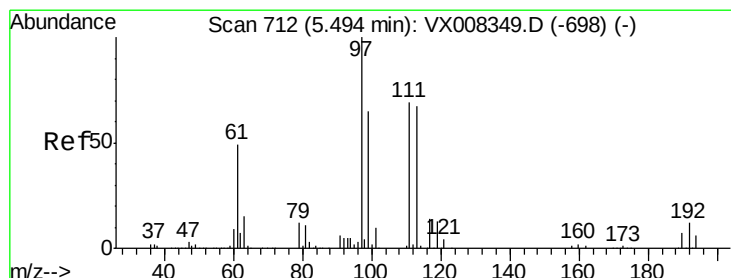
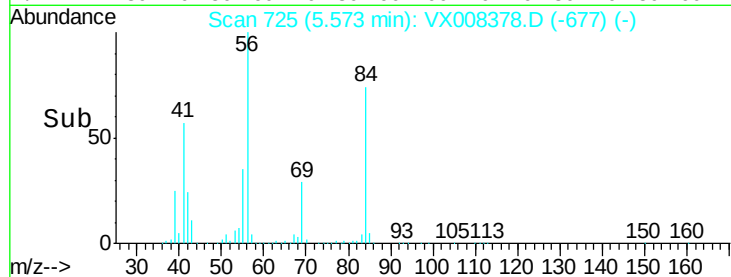
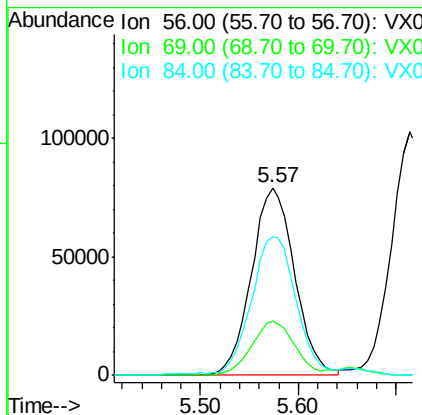
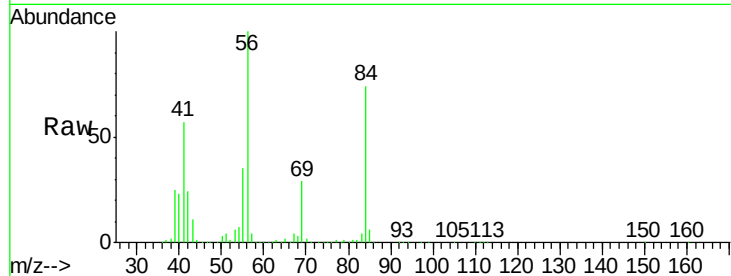
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	242062
Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.0	36.0
84	73.1	65.3	97.9

Manual Integrations
APPROVED

MMDadoda
3/25/2019 11:24:14 AM



#32

1,1,1-Trichloroethane

Concen: 47.760 ug/l

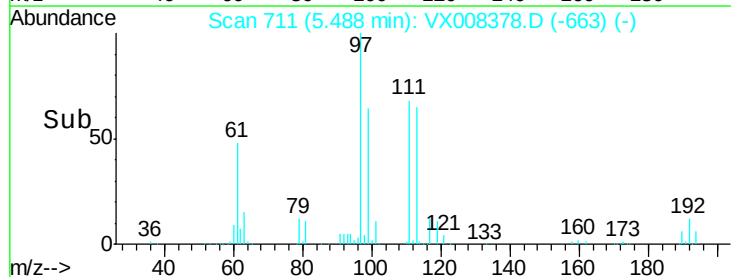
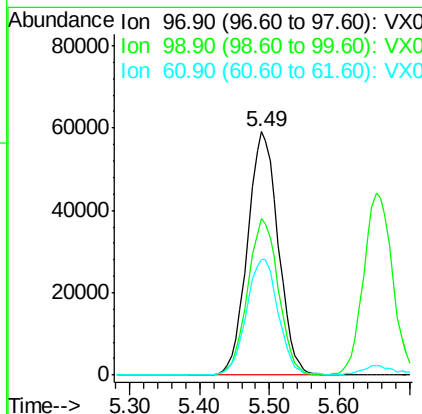
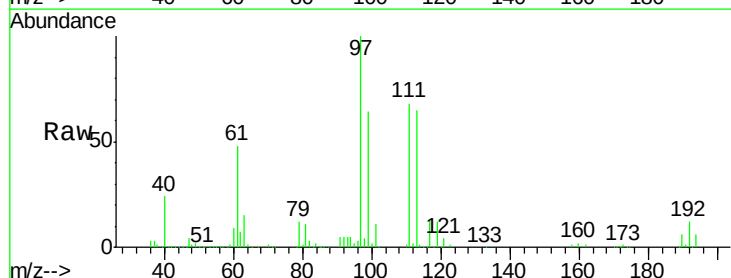
RT: 5.49 min Scan# 711

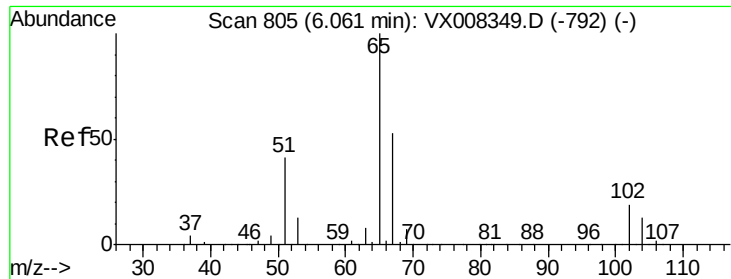
Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Tgt Ion:	97	Resp:	180109
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.2
61	49.3	34.9	52.3





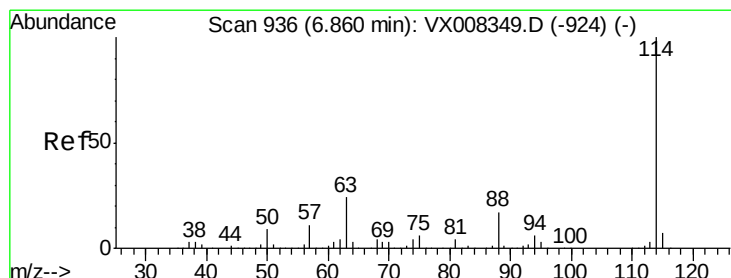
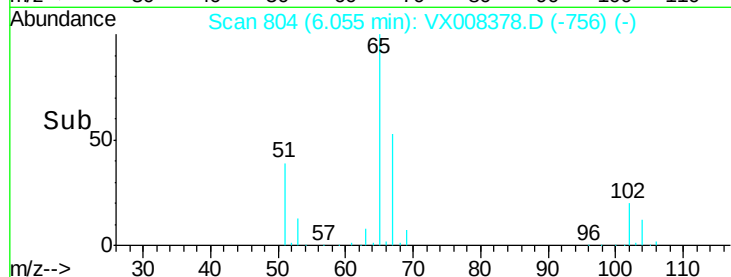
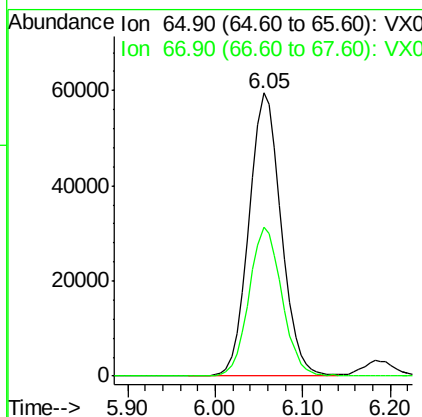
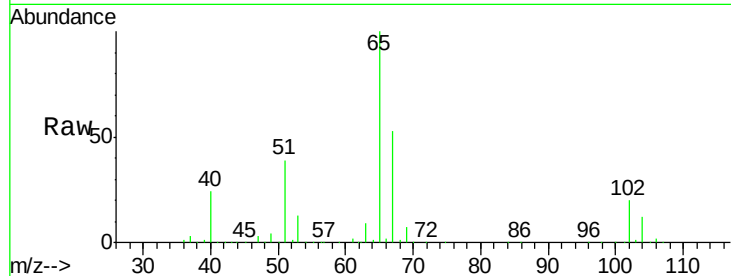
#33
 1,2-Dichloroethane-d4
 Concen: 47.240 ug/l
 RT: 6.05 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	110.0

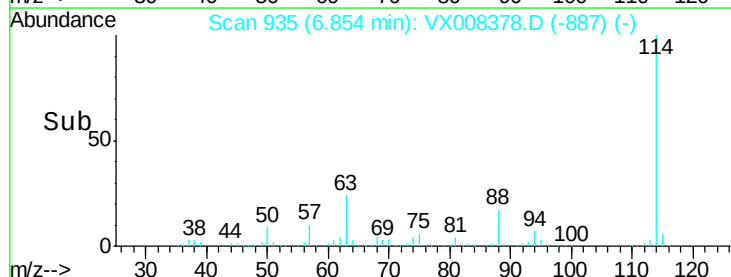
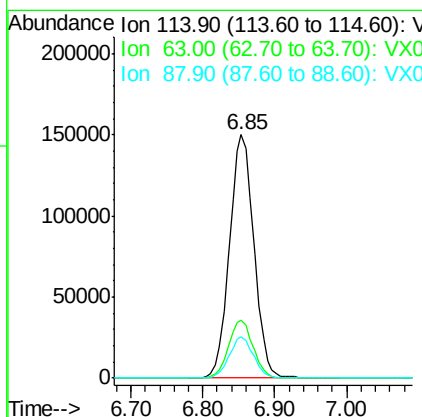
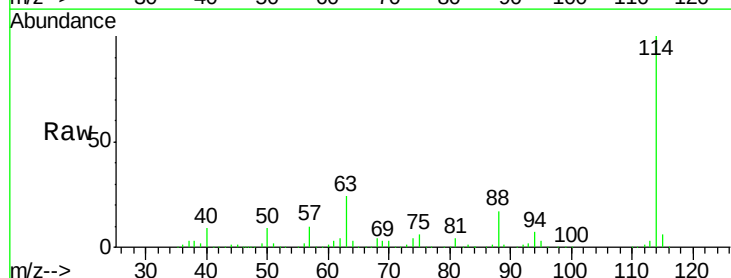
Manual Integrations
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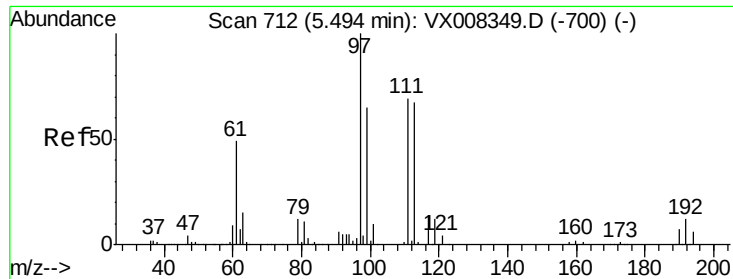
MMDadoda
 3/25/2019 11:24:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	39.8
88	16.7	0.0	31.4





#35

Dibromofluoromethane

Concen: 48.708 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

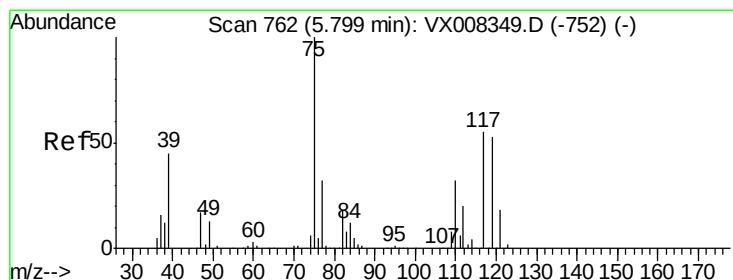
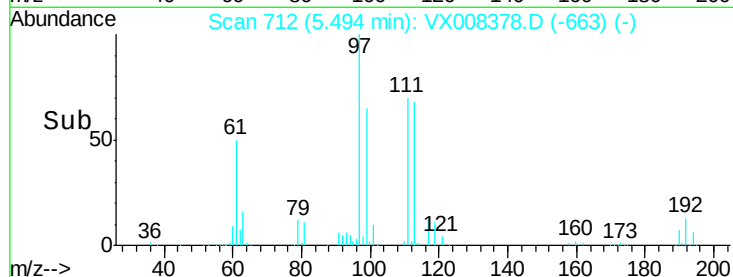
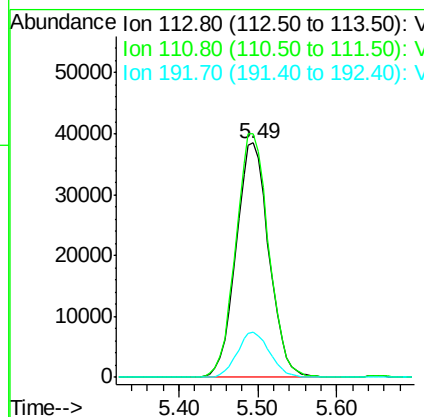
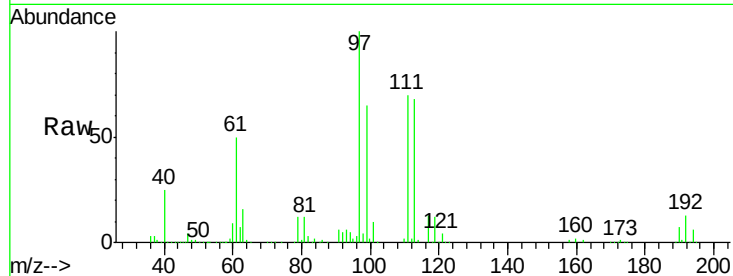
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111715		
111	104.2	81.4	122.0	
192	19.2	19.4	29.0	

Manual Integrations
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3/25/2019 11:24:14 AM



#36

1,1-Dichloropropene

Concen: 49.180 ug/l

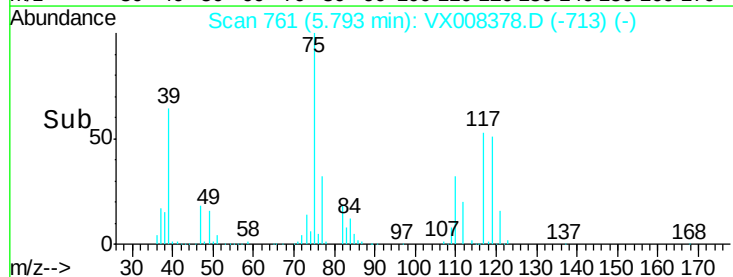
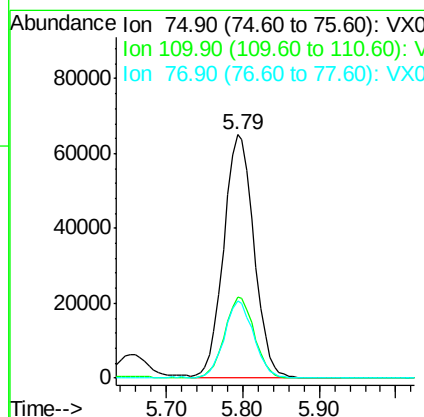
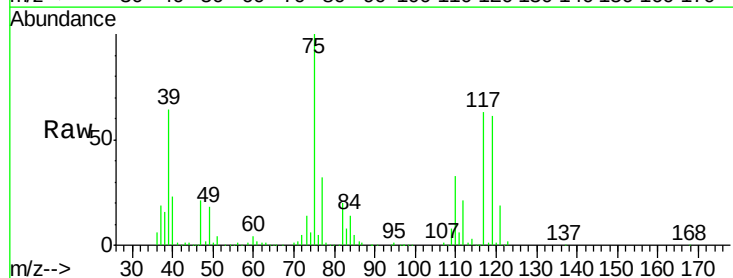
RT: 5.79 min Scan# 761

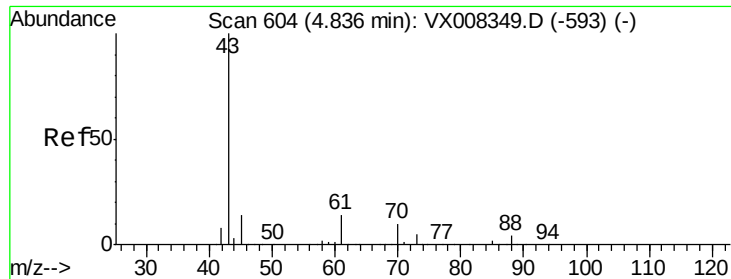
Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	177906		
110	32.7	18.4	55.0	
77	30.7	25.0	37.4	





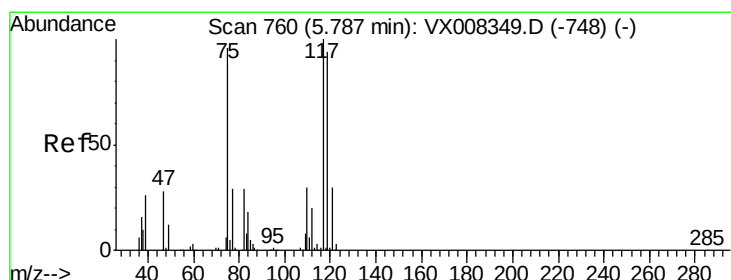
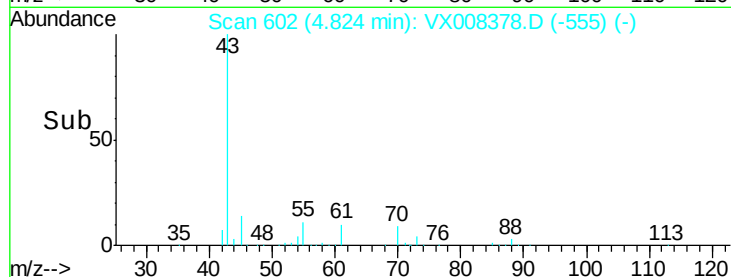
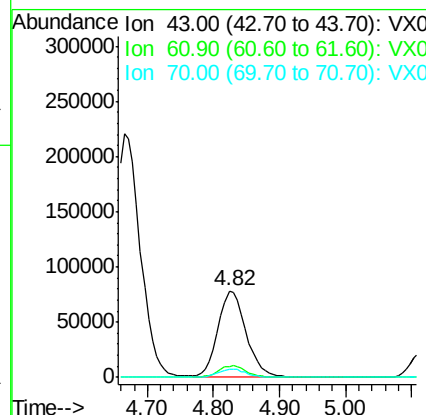
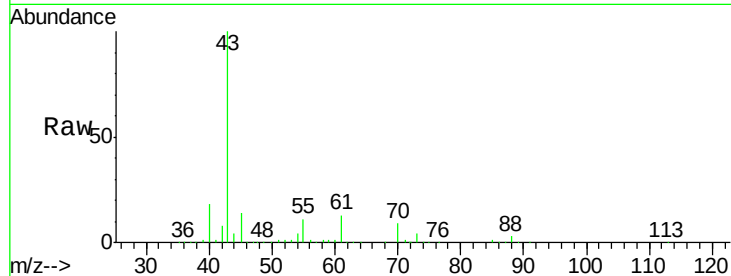
#37
Ethyl Acetate
Concen: 47.320 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:	43	Resp:	231669
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.3	16.9
70	9.6	8.5	12.7

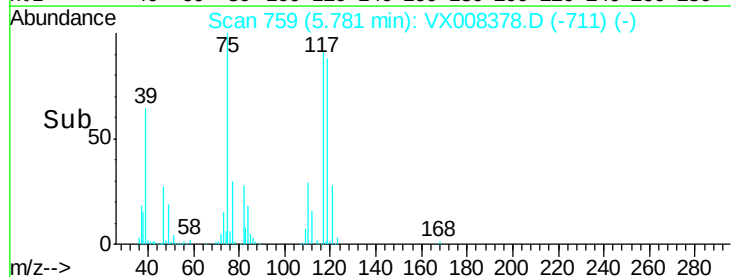
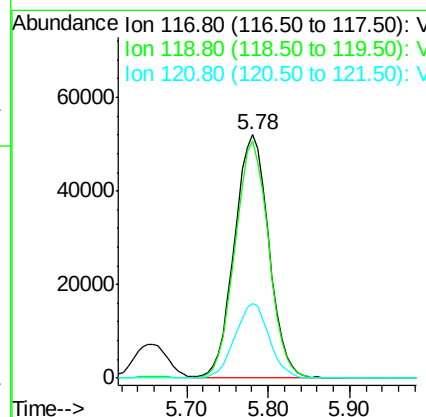
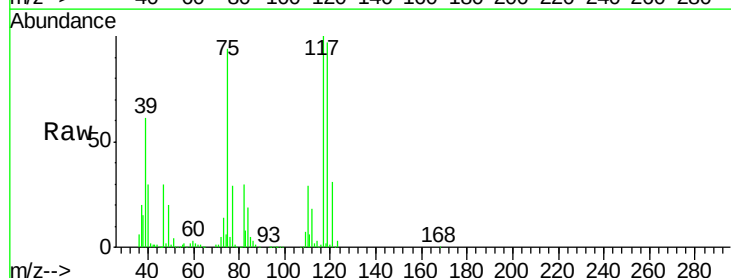
Manual Integrations
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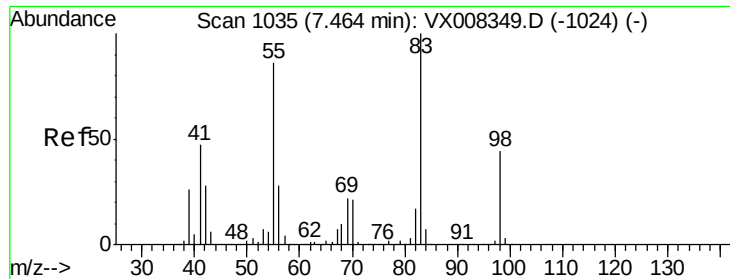
MMDadoda
3/25/2019 11:24:14 AM



#38
Carbon Tetrachloride
Concen: 49.064 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion:	117	Resp:	152142
Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.2	114.2
121	30.7	24.6	36.8





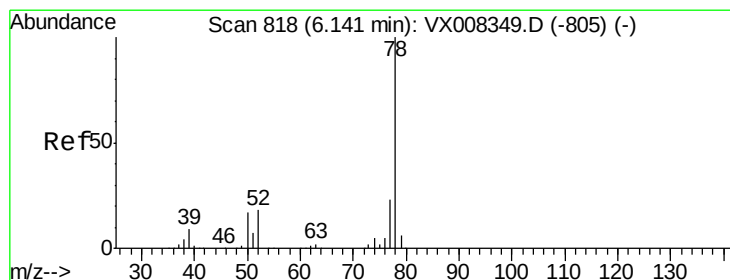
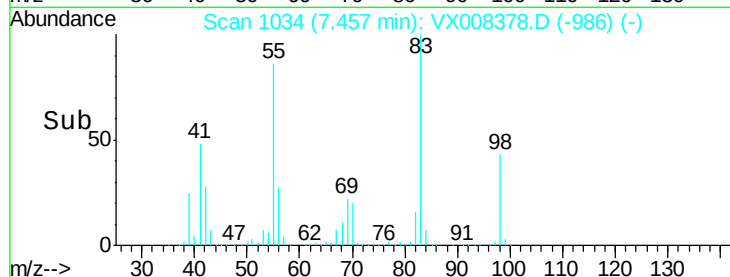
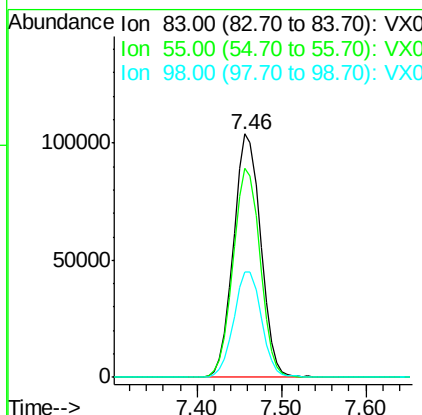
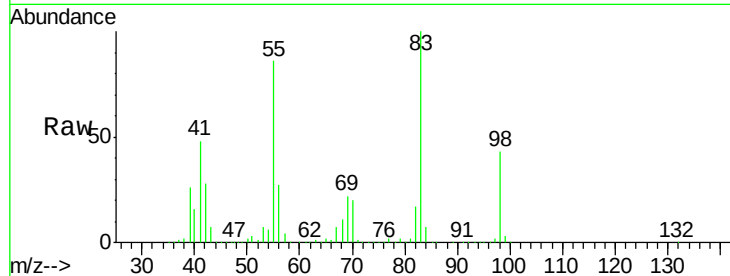
#39
Methylvlcyclohexane
Concen: 51.283 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	227389		
55	85.6		60.4	90.6
98	43.1		36.5	54.7

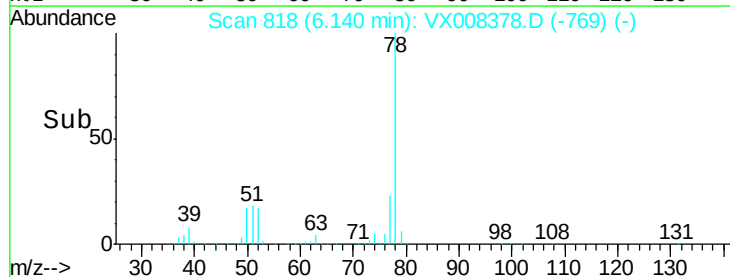
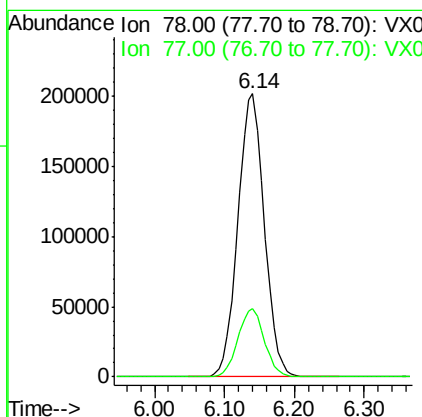
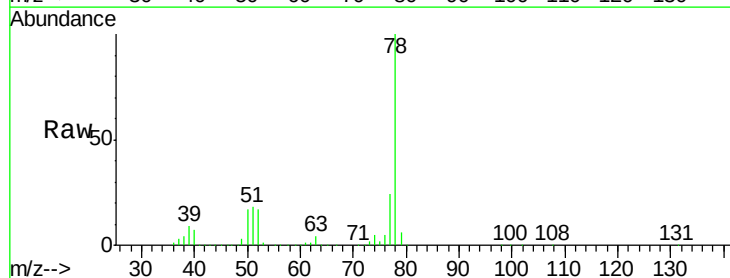
Manual Integrations
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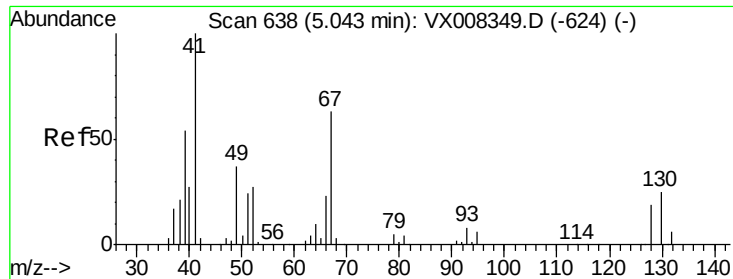
MMDadoda
3/25/2019 11:24:14 AM



#40
Benzene
Concen: 47.985 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	528633		
77	24.0		19.0	28.4





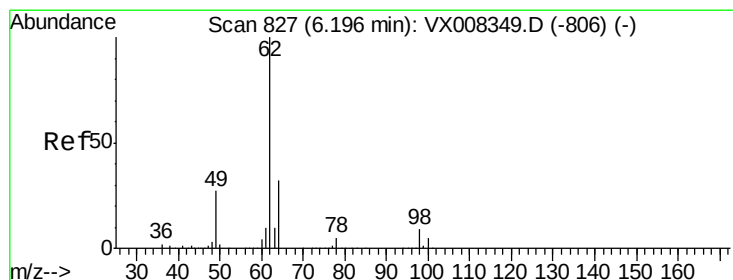
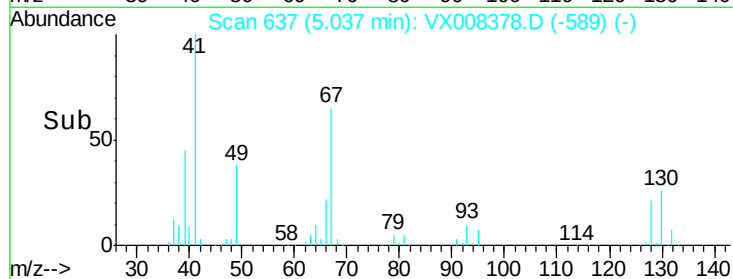
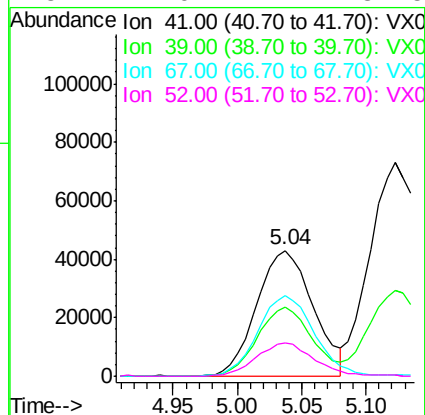
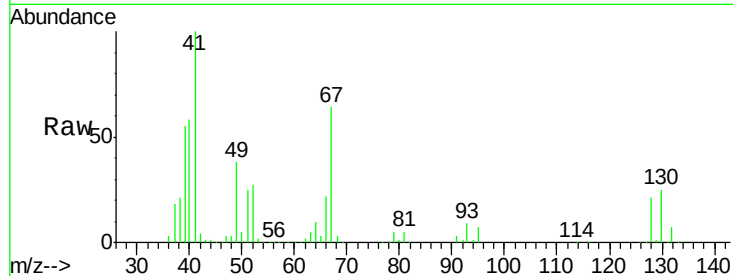
#41
Methacrylonitrile
Concen: 48.800 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		130225		
39	53.4	41.6	62.4		
67	64.9	55.8	83.6		
52	27.0	21.7	32.5		

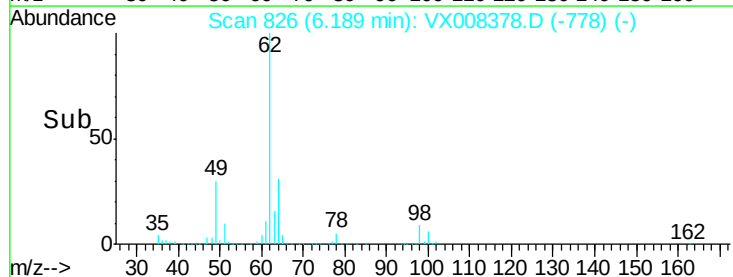
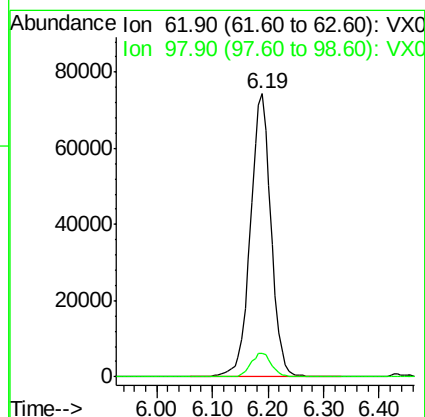
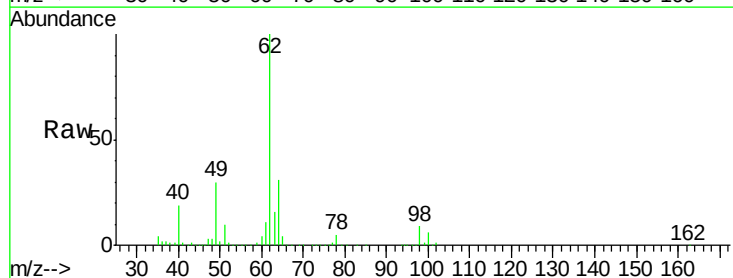
Manual Integrations
APPROVED

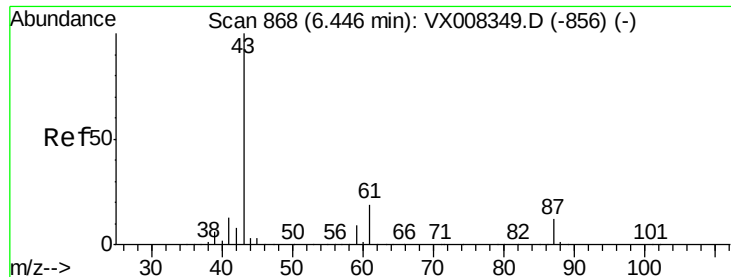
MMDadoda
3/25/2019 11:24:14 AM



#42
1,2-Dichloroethane
Concen: 47.971 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		191783		
98	8.4	0.0	20.4		





#43

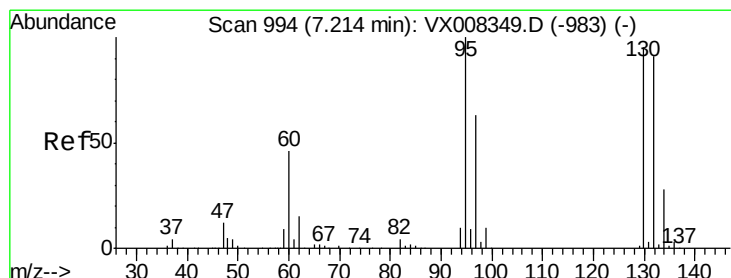
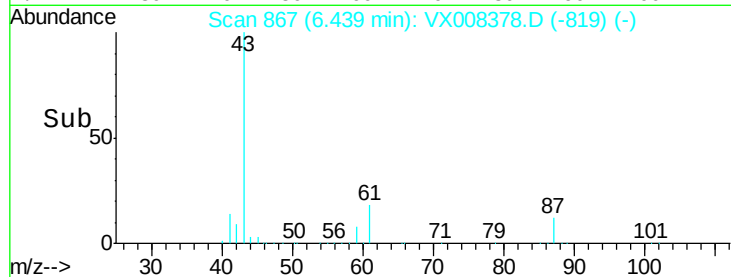
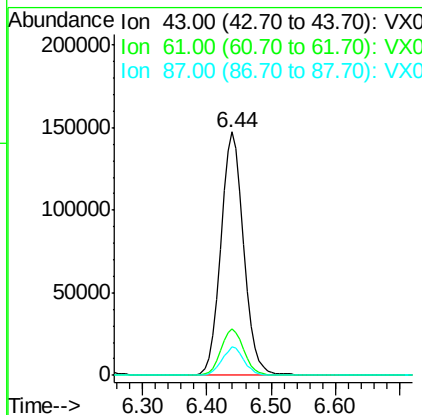
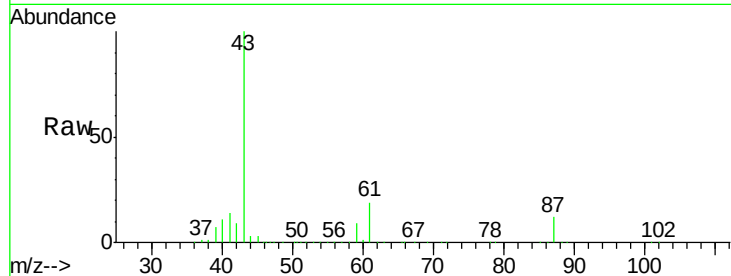
Isopropyl Acetate
 Concen: 48.171 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	43	Resp:	367238
Ion	Ratio	Lower	Upper
43	100		
61	19.0	16.3	24.5
87	11.4	10.5	15.7

Manual Integrations
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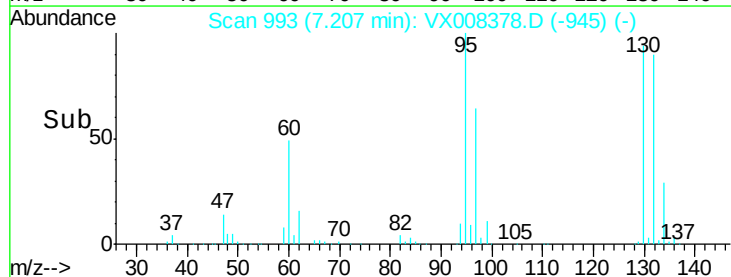
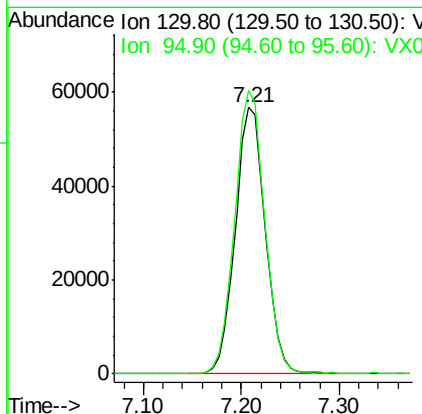
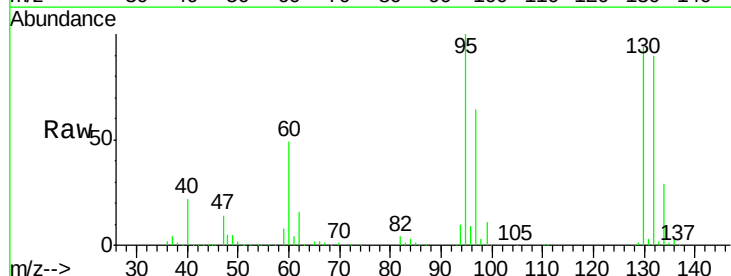
MMDadoda
 3/25/2019 11:24:14 AM

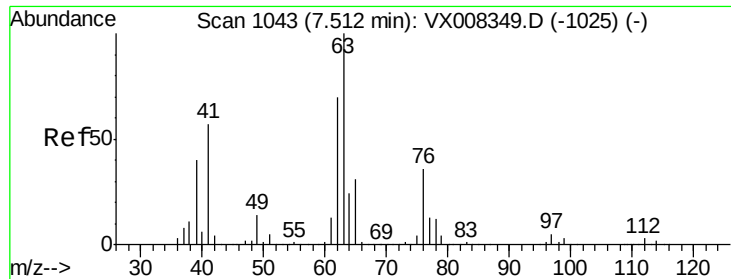


#44

Trichloroethene
 Concen: 47.410 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Tgt Ion:	130	Resp:	121290
Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	188.0





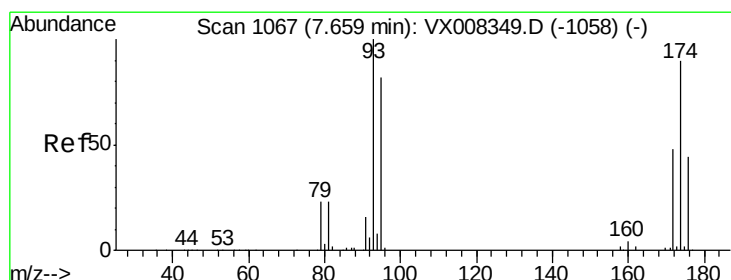
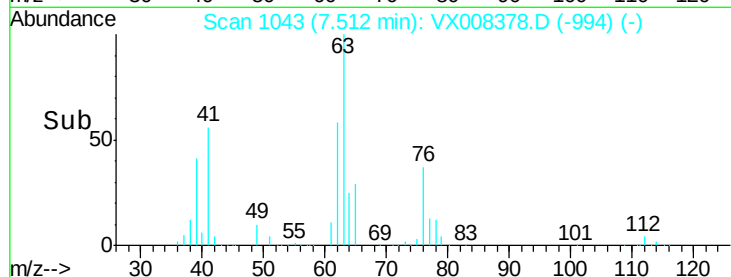
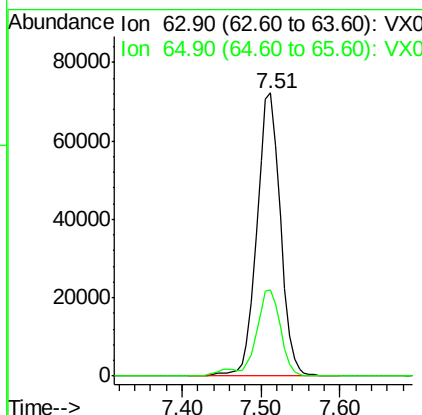
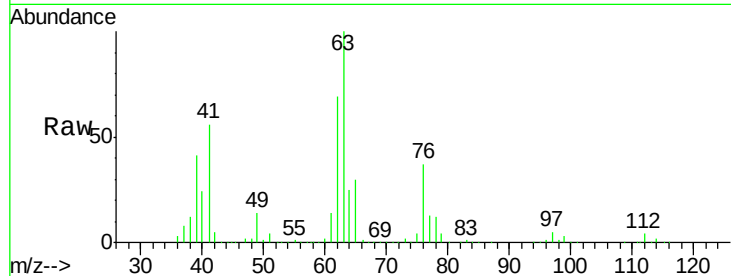
#45
 1,2-Dichloropropane
 Concen: 48.049 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 149854
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1

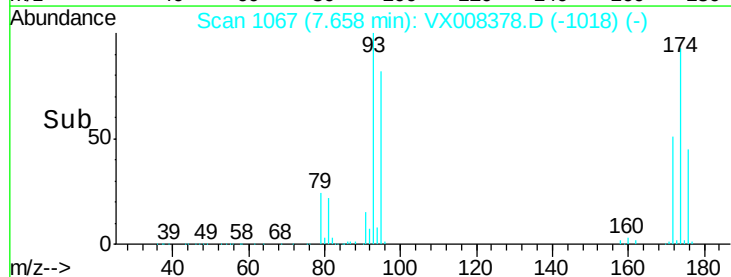
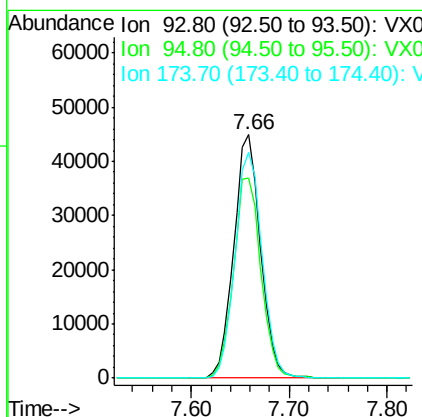
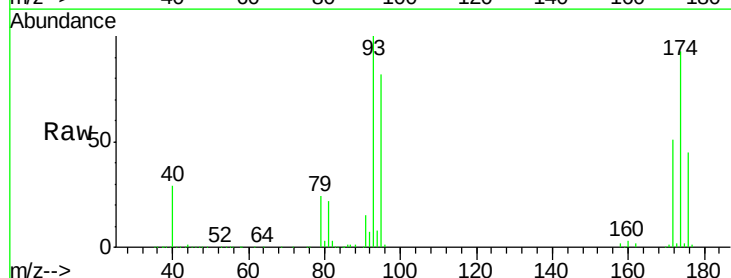
Manual Integrations
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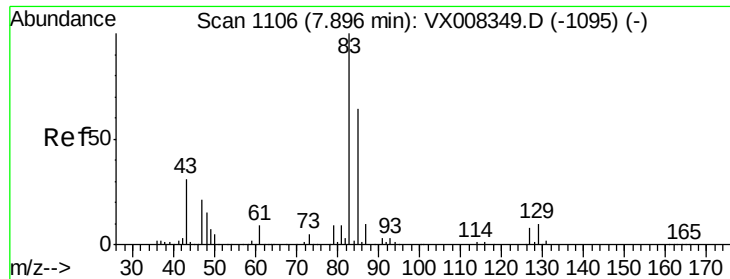
MMDadoda
 3/25/2019 11:24:14 AM



#46
 Dibromomethane
 Concen: 46.188 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Tgt Ion: 93 Resp: 85488
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.8 100.2
 174 94.0 97.3 145.9#





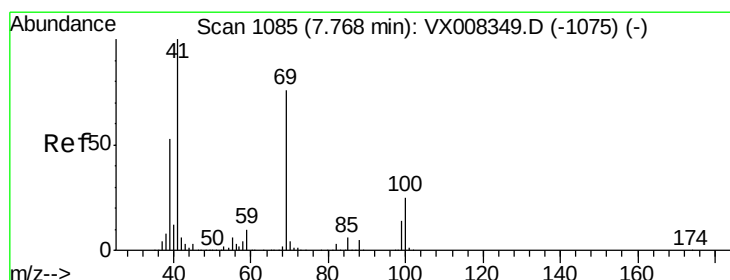
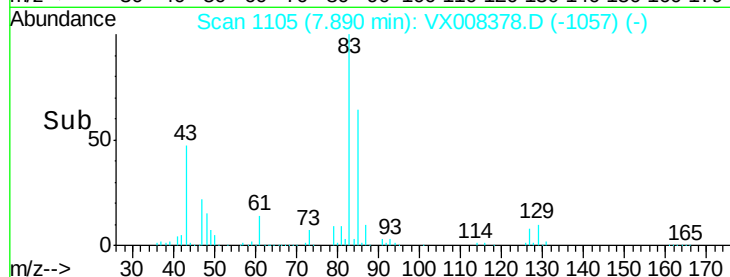
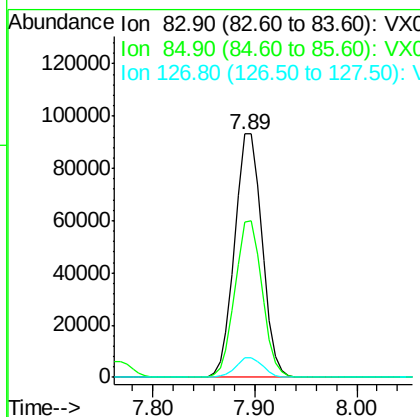
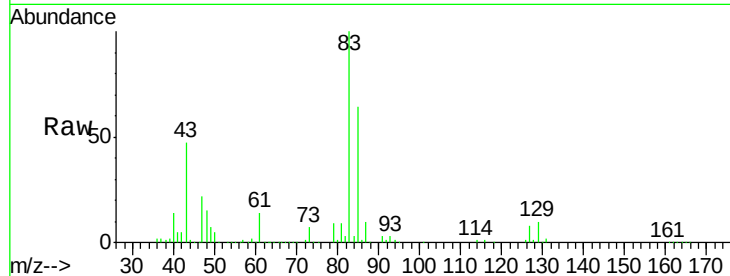
#47
Bromodichloromethane
Concen: 48.989 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	172948
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	7.9	7.4	11.0

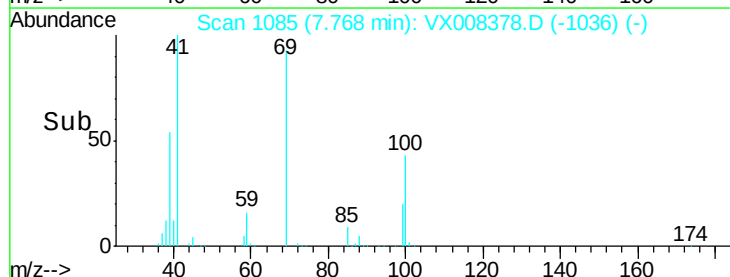
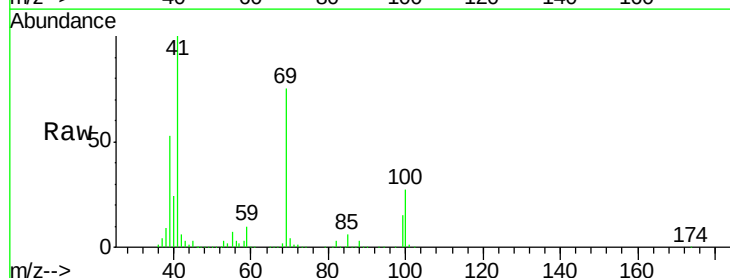
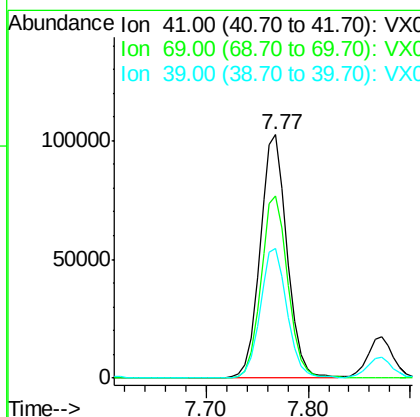
Manual Integrations
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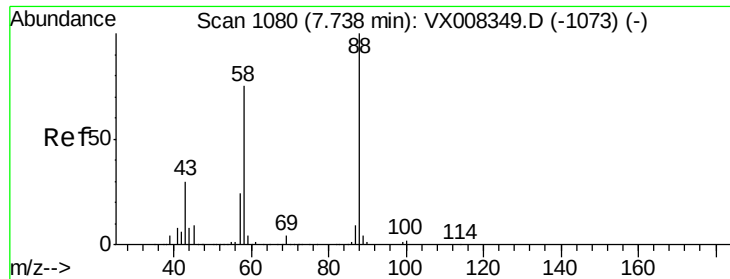
MMDadoda
3/25/2019 11:24:14 AM



#48
Methyl methacrylate
Concen: 48.681 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion	41	Resp	187268
Ion Ratio	100	Lower	Upper
41	100		
69	75.1	65.2	97.8
39	53.2	39.4	59.2





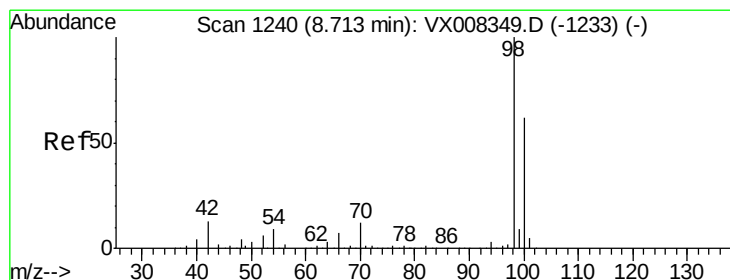
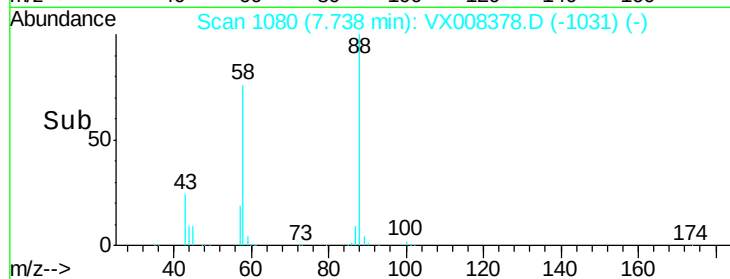
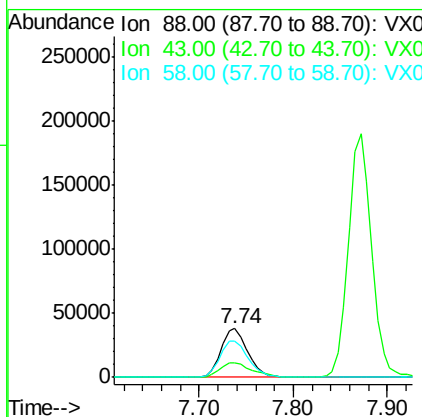
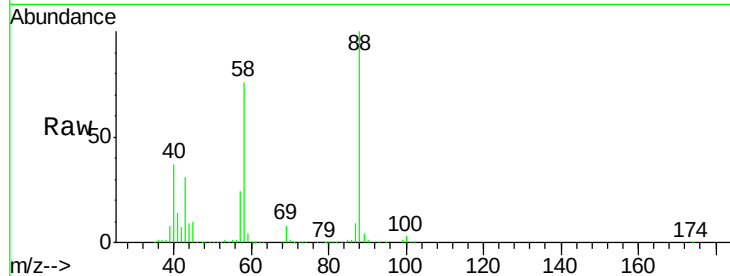
#49
1,4-Dioxane
Concen: 965.856 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	25.1	37.7
58	79.9	57.8	86.6

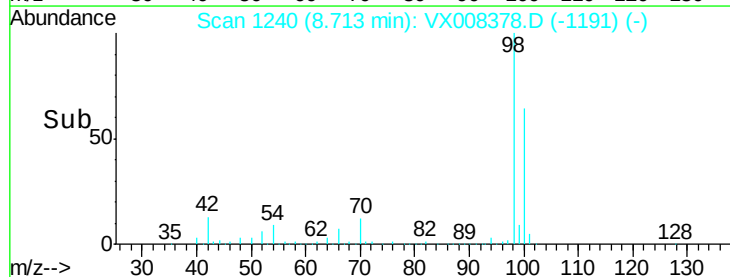
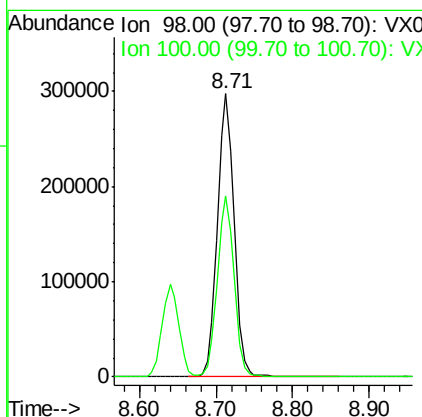
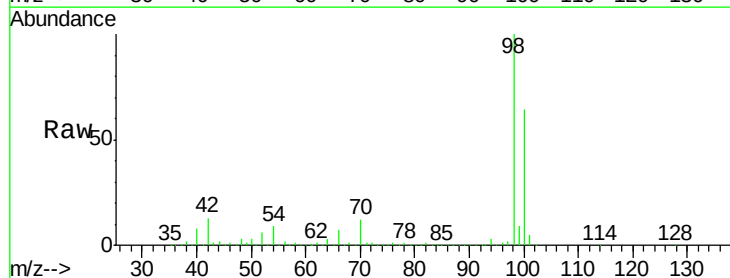
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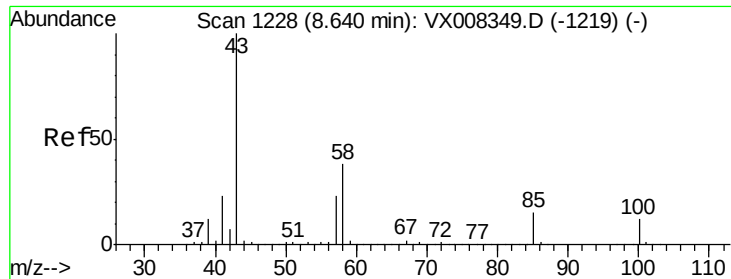
MMDadoda
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#50
Toluene-d8
Concen: 49.579 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 241.870 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1209820

Ion Ratio Lower Upper

43 100

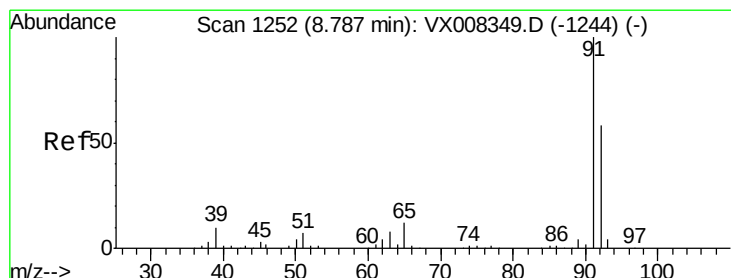
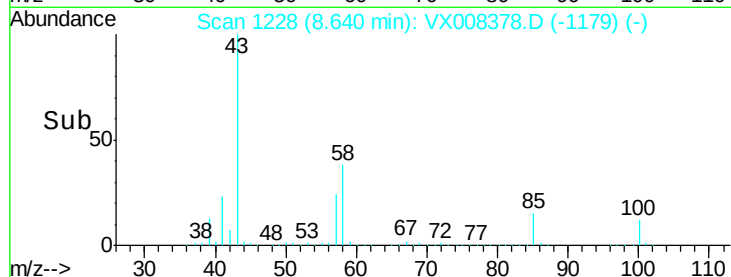
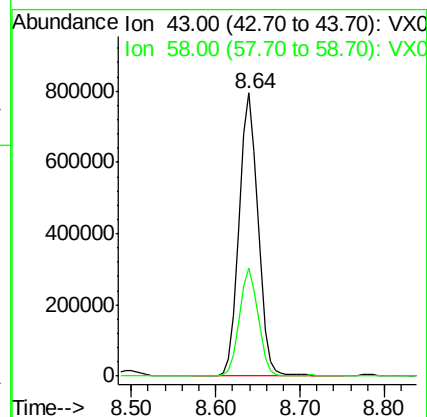
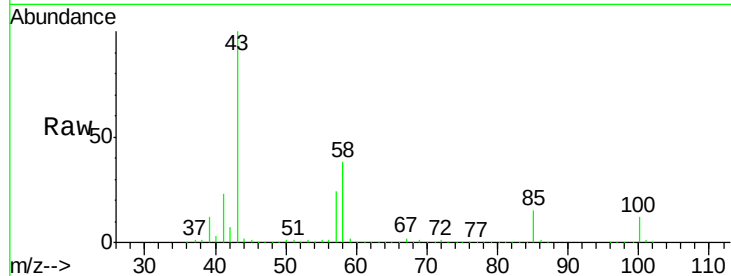
58 37.4 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 49.436 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008378.D

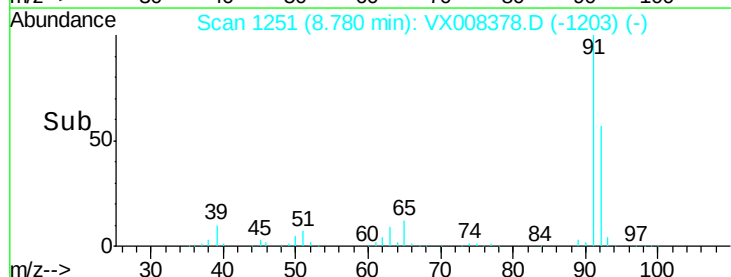
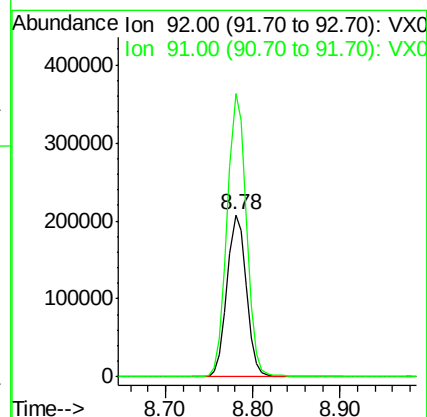
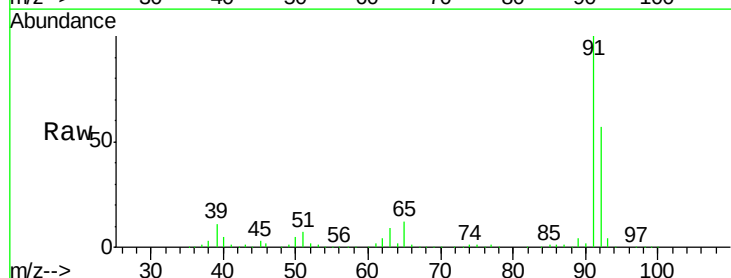
Acq: 24 Mar 2019 09:48

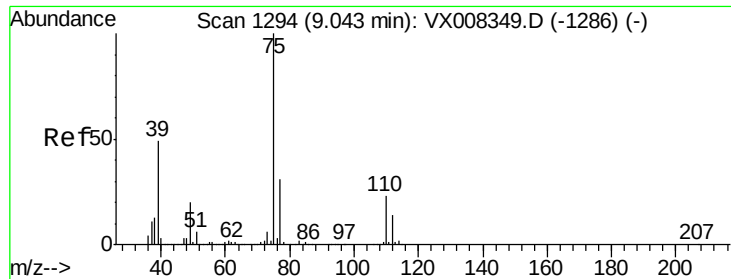
Tgt Ion: 92 Resp: 319351

Ion Ratio Lower Upper

92 100

91 174.0 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 51.670 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 196122

Ion Ratio Lower Upper

75 100

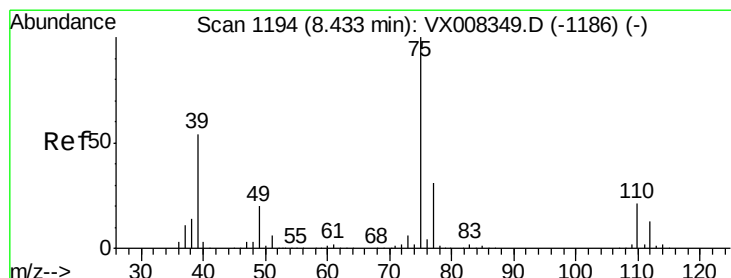
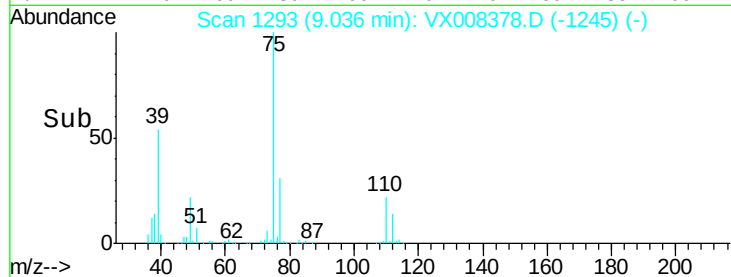
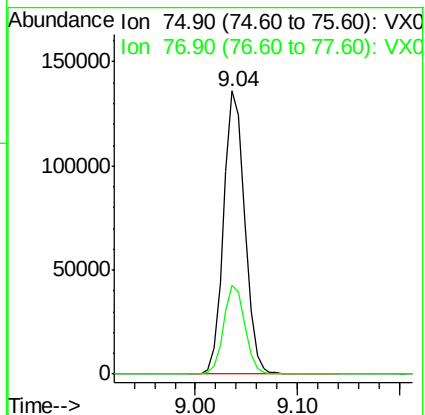
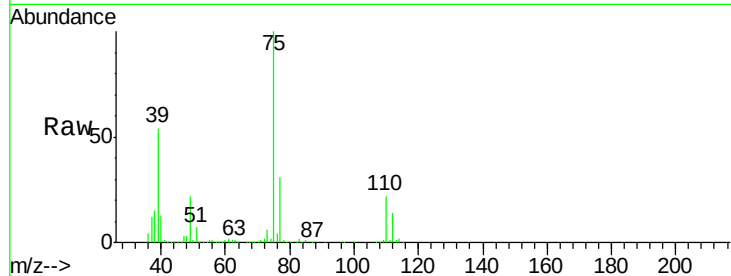
77 31.3 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.099 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

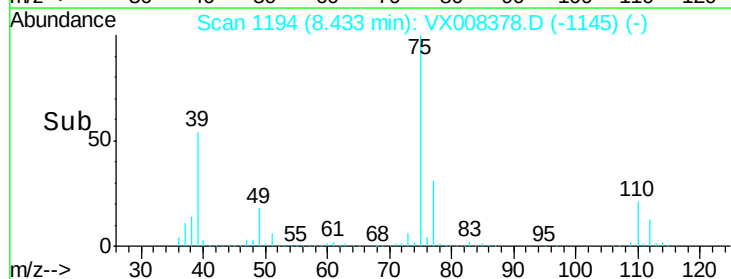
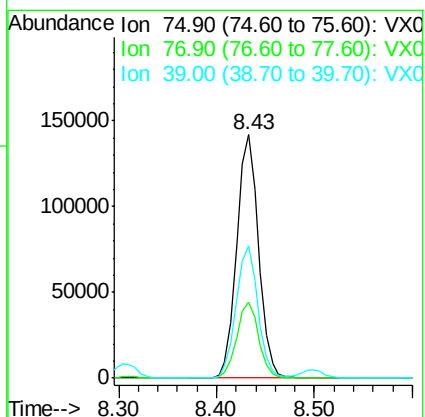
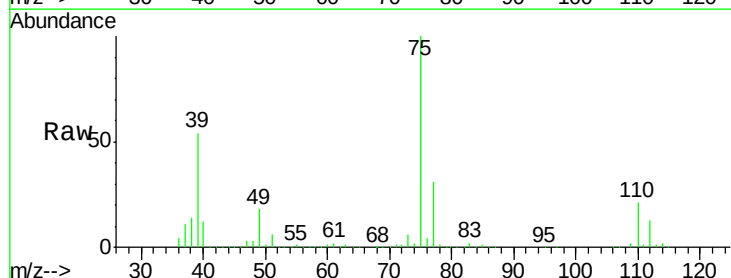
Tgt Ion: 75 Resp: 219902

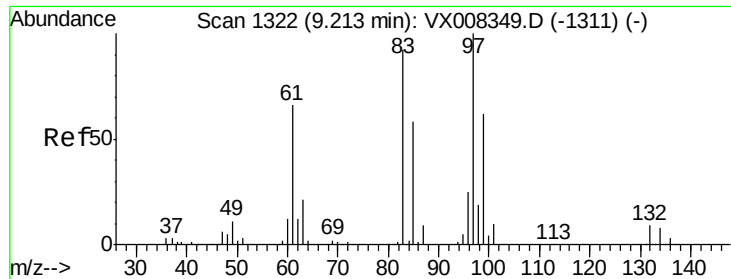
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6

39 54.2 36.6 54.8





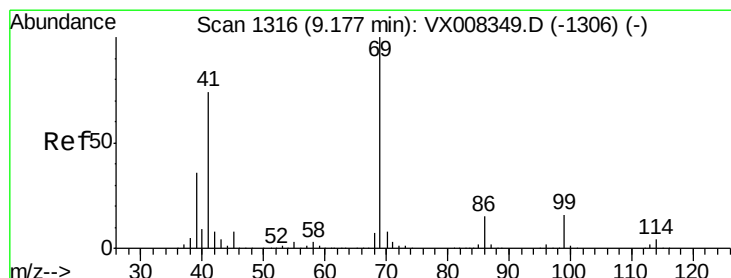
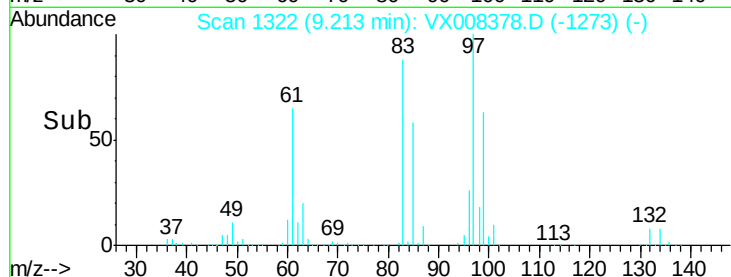
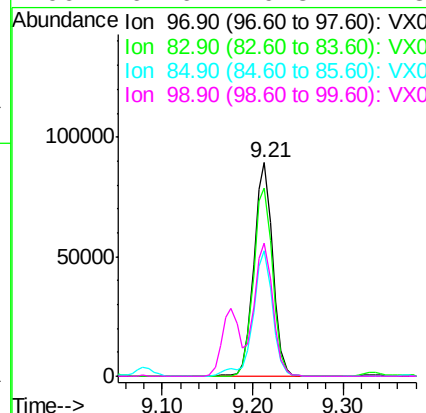
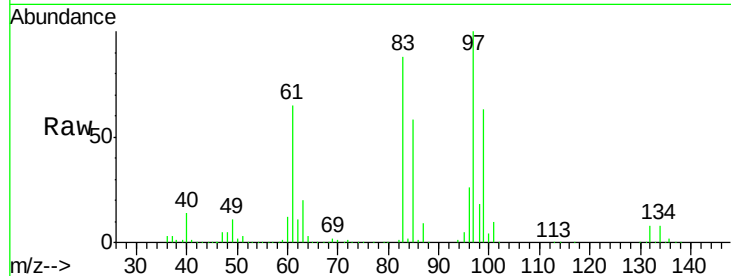
#55
 1,1,2-Trichloroethane
 Concen: 47.854 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	128405
Ion Ratio	Lower	Upper	
97	100		
83	88.1	69.1	103.7
85	58.5	44.3	66.5
99	62.6	49.8	74.8

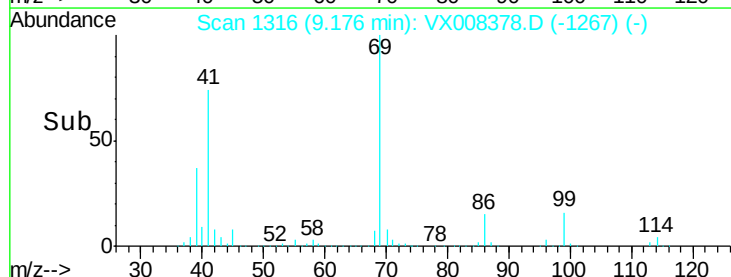
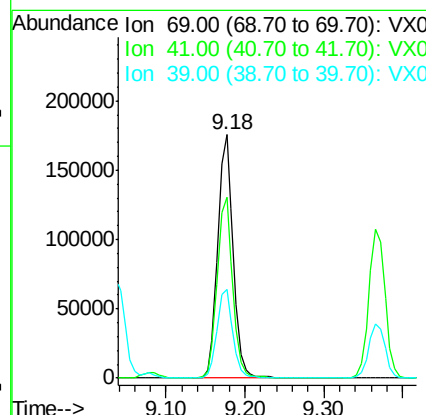
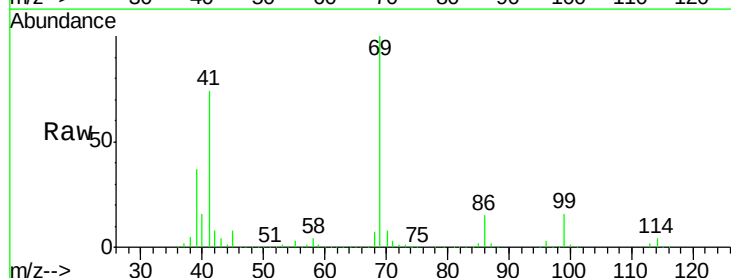
Manual Integrations
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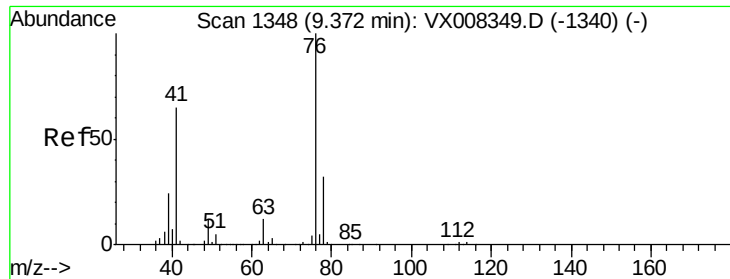
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#56
 Ethyl methacrylate
 Concen: 50.478 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Tgt Ion	69	Resp	239786
Ion Ratio	Lower	Upper	
69	100		
41	74.0	54.2	81.4
39	36.9	25.0	37.4





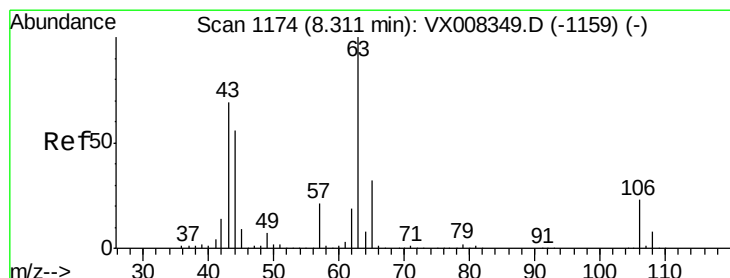
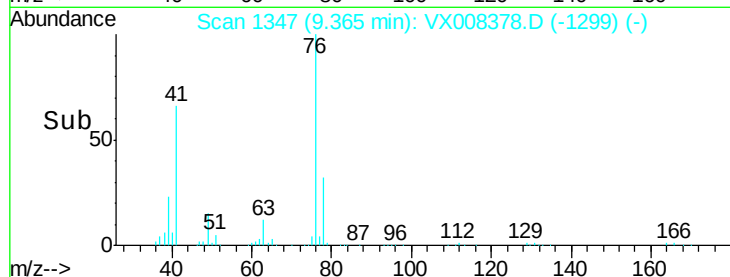
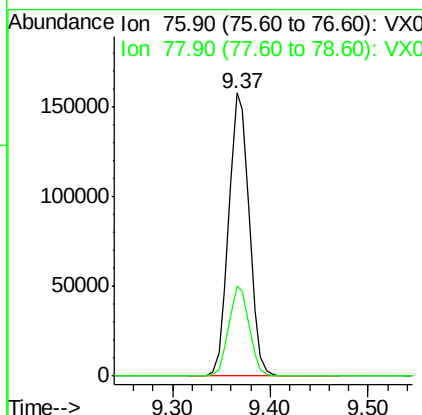
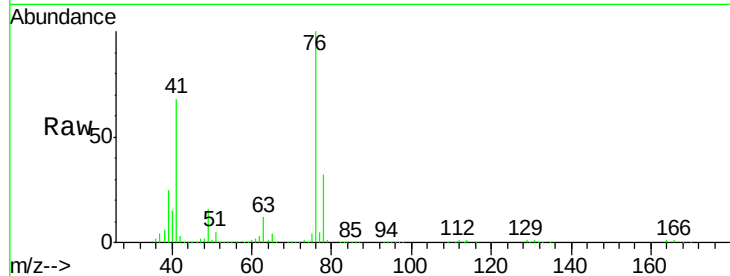
#57
 1,3-Dichloropropane
 Concen: 47.940 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 229161
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3

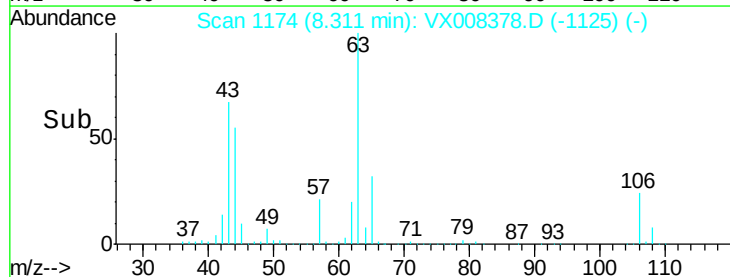
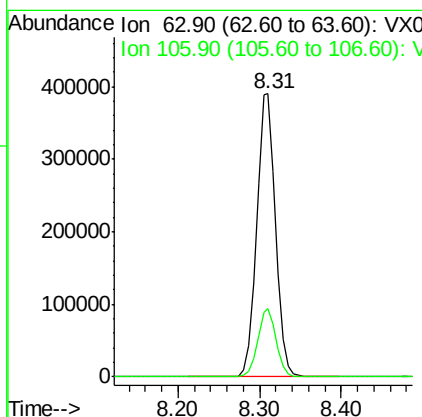
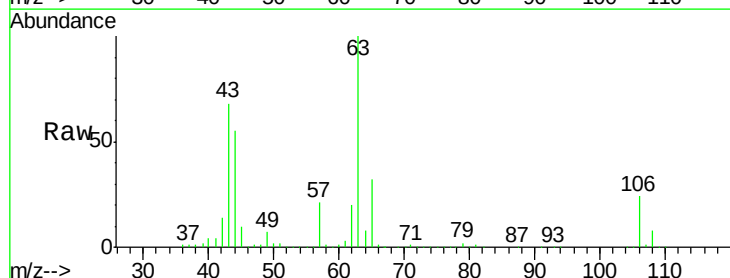
Manual Integrations
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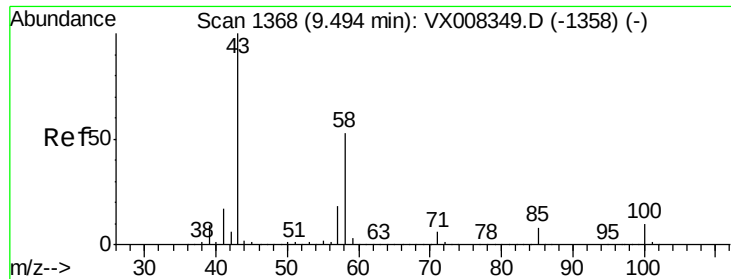
MMDadoda
 3/25/2019 11:24:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.452 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Tgt Ion: 63 Resp: 633784
 Ion Ratio Lower Upper
 63 100
 106 23.6 22.2 33.2





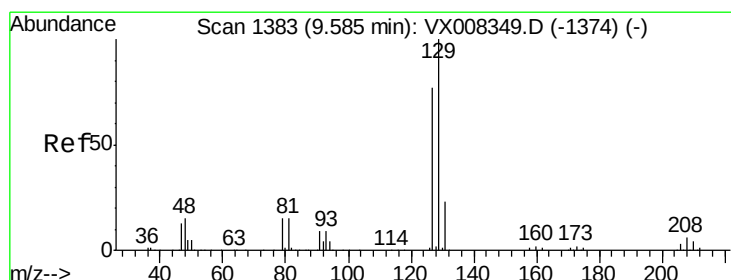
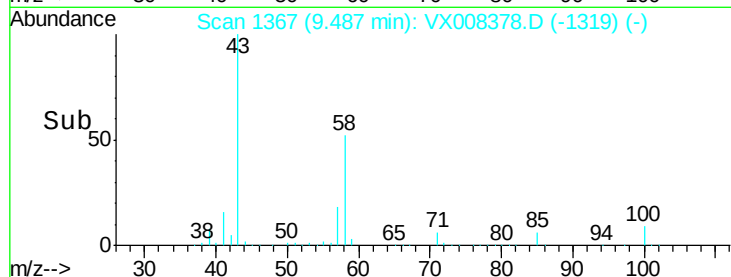
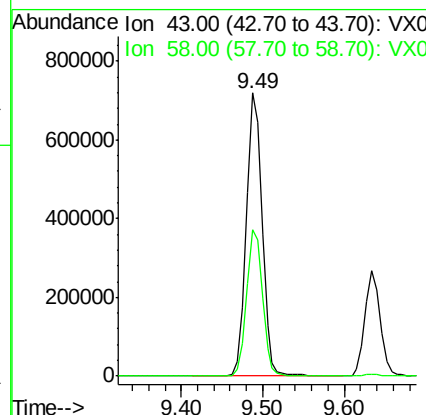
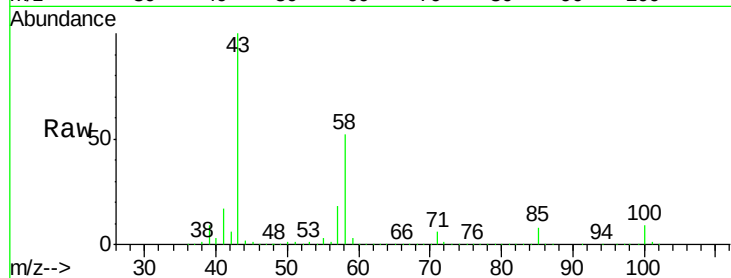
#59
2-Hexanone
Concen: 248.924 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 955815
Ion Ratio Lower Upper
43 100
58 52.3 27.6 82.7

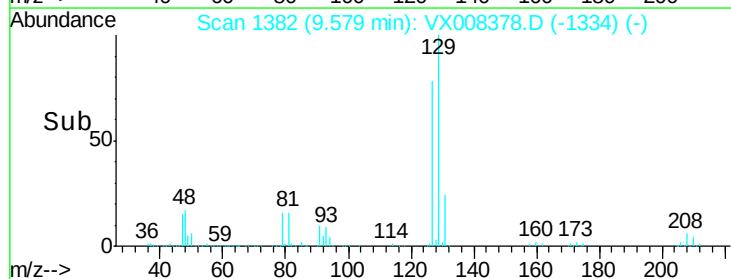
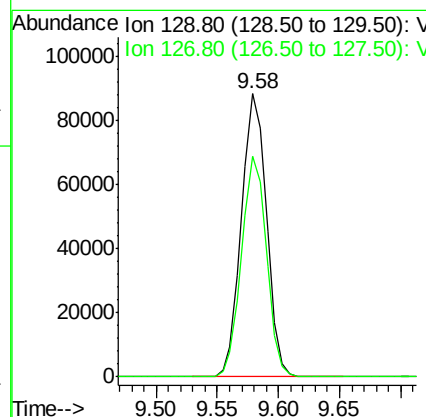
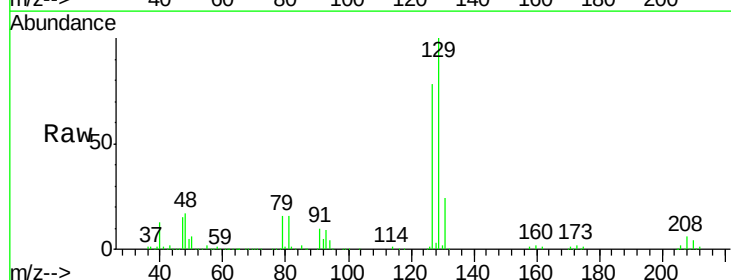
Manual Integrations
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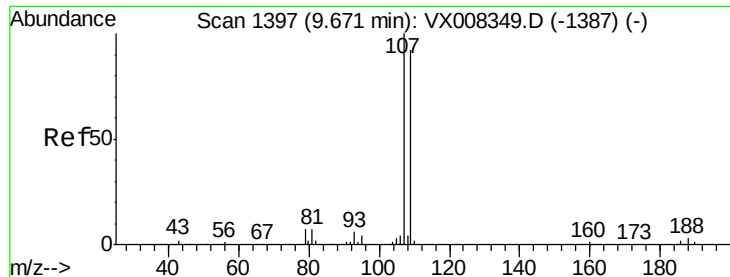
MMDadoda
3/25/2019 11:24:14 AM



#60
Dibromochloromethane
Concen: 50.437 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion: 129 Resp: 125619
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 48.702 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 132626

Ion Ratio Lower Upper

107 100

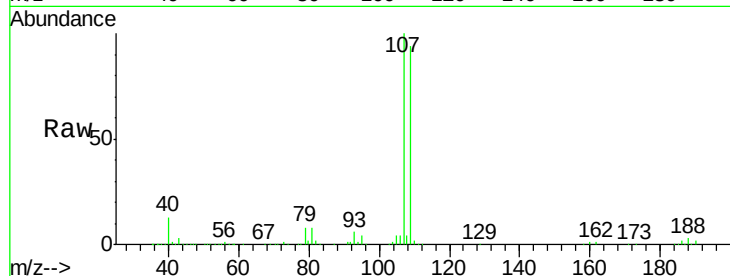
109 93.9 75.8 113.8

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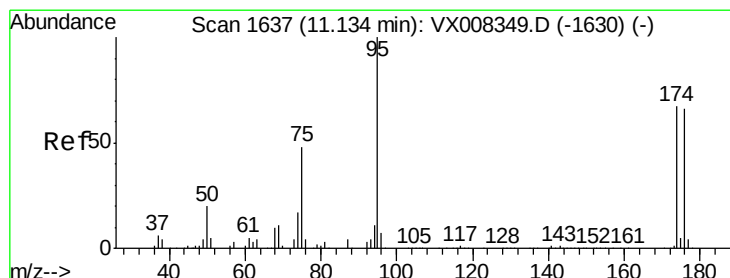
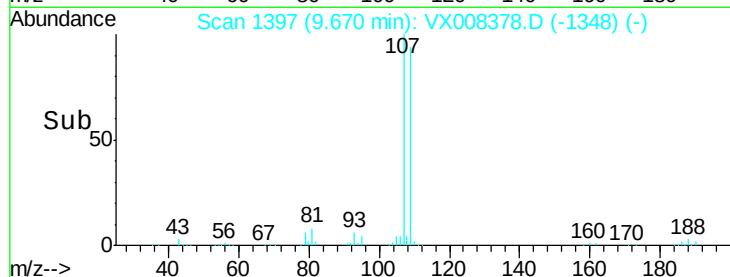
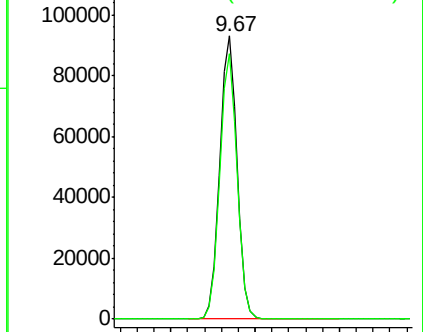
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.815 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

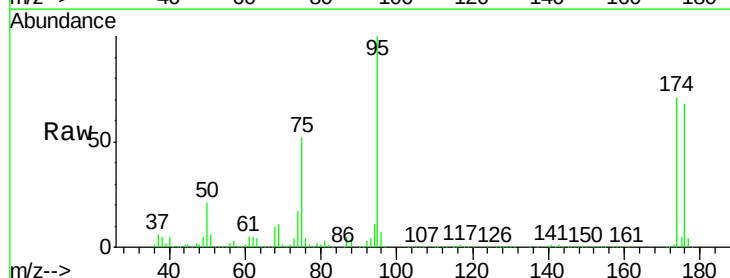
Tgt Ion: 95 Resp: 169254

Ion Ratio Lower Upper

95 100

174 73.5 0.0 182.8

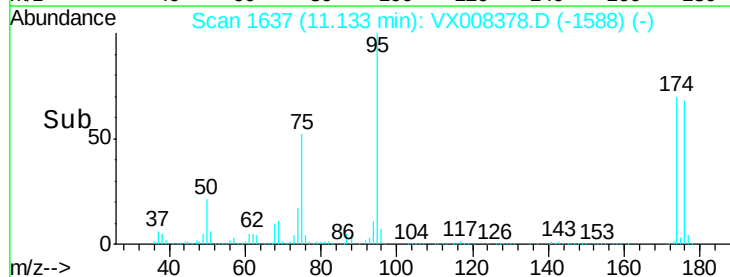
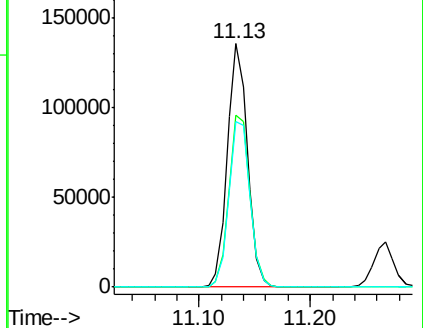
176 71.6 0.0 178.0

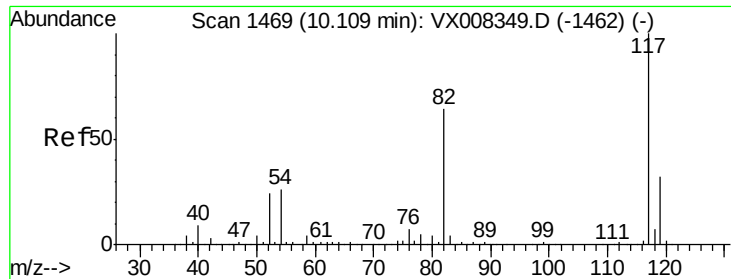


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





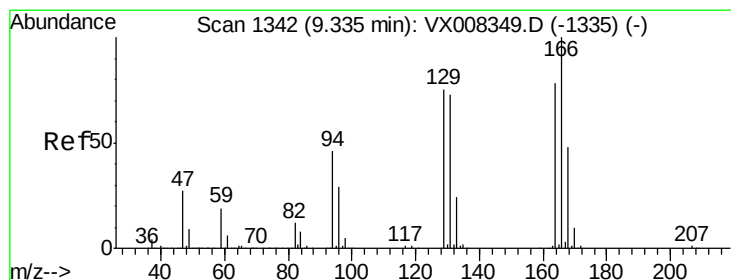
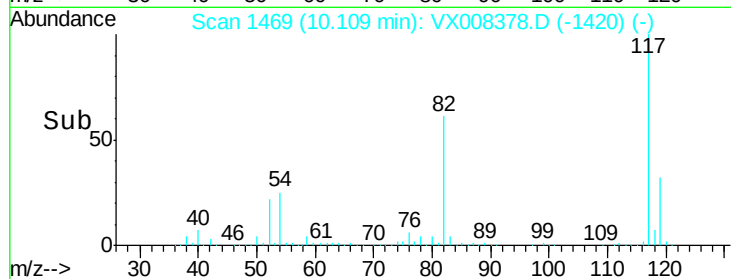
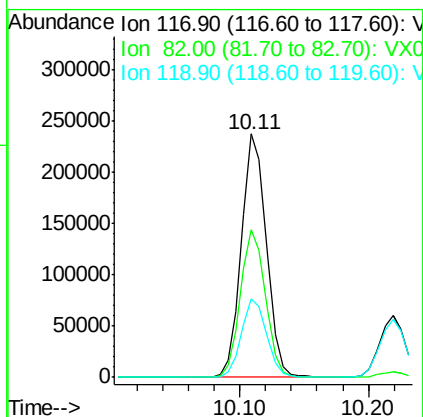
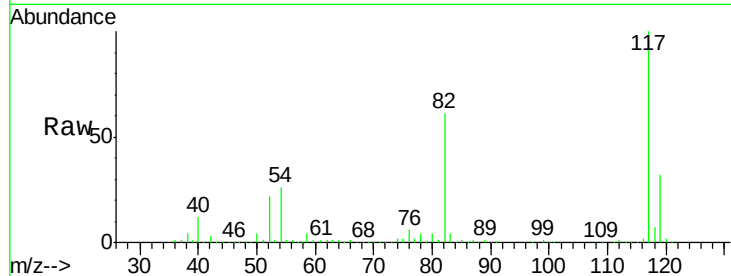
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	44.3	66.5
119	32.0	25.3	37.9

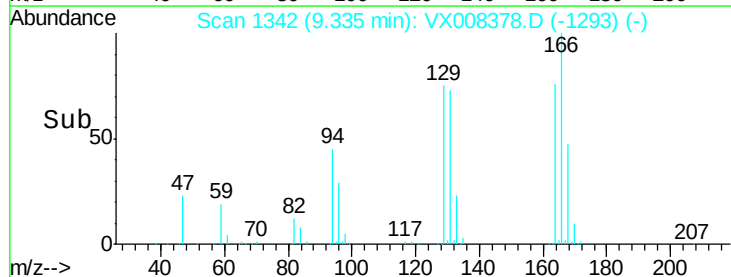
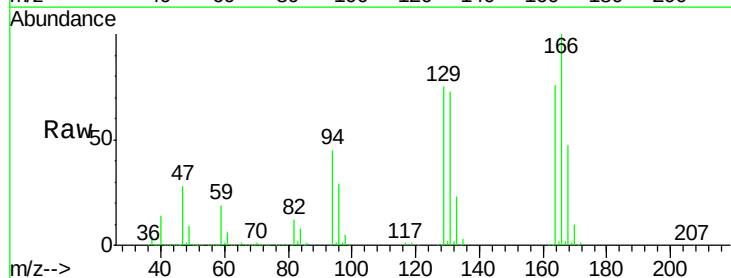
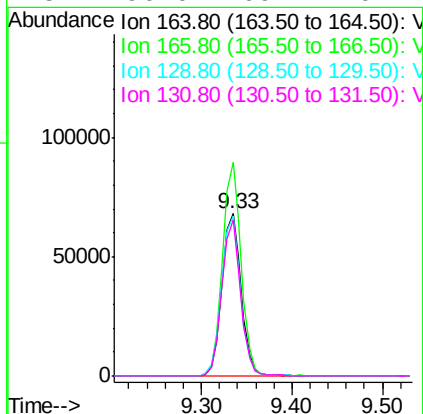
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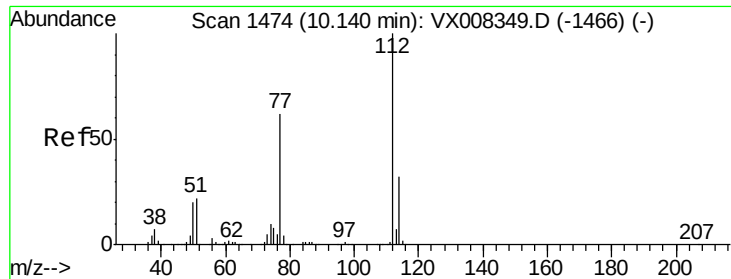
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#64
Tetrachloroethene
Concen: 48.372 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	103.4	155.0
129	98.3	72.2	108.4
131	96.0	69.4	104.2





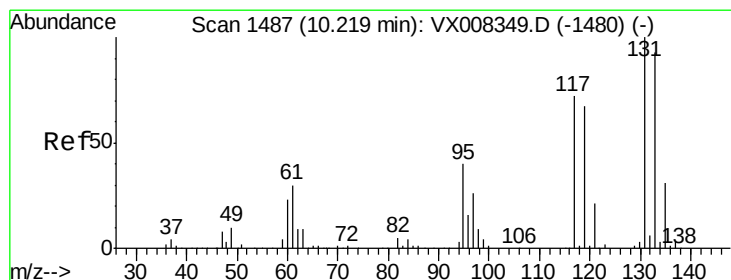
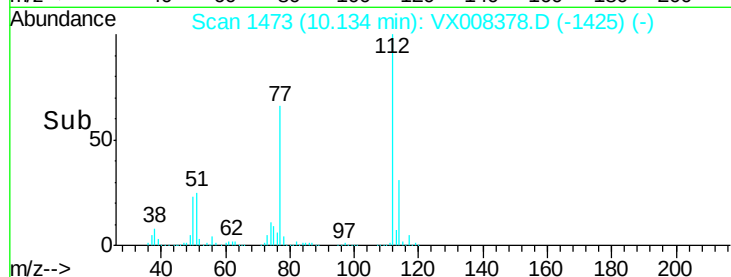
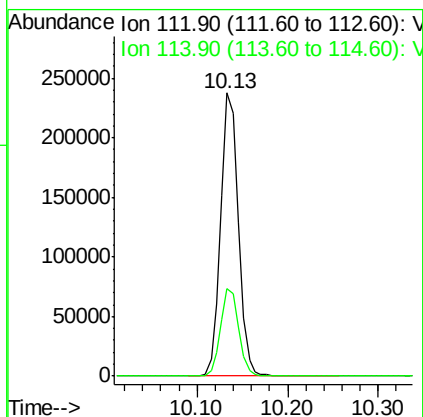
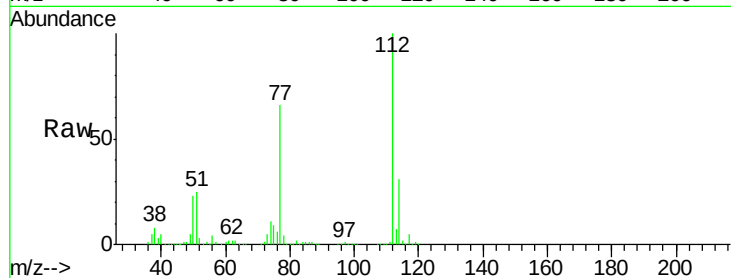
#65
Chlorobenzene
Concen: 48.652 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 324732
Ion Ratio Lower Upper
112 100
114 30.8 26.0 39.0

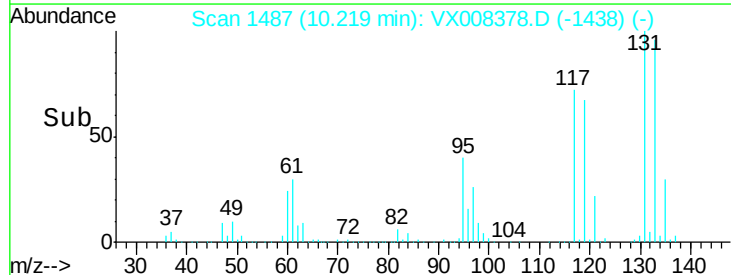
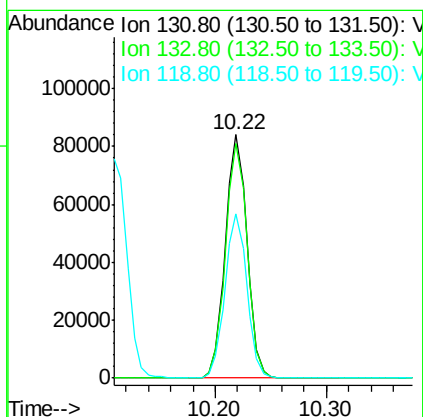
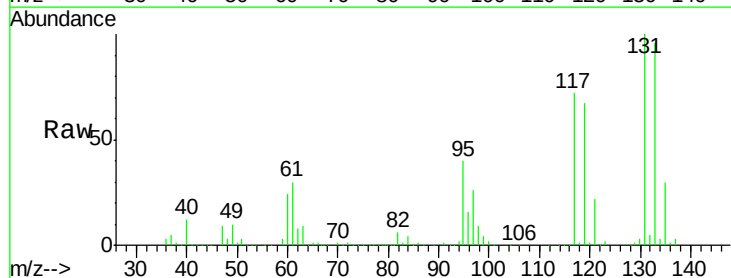
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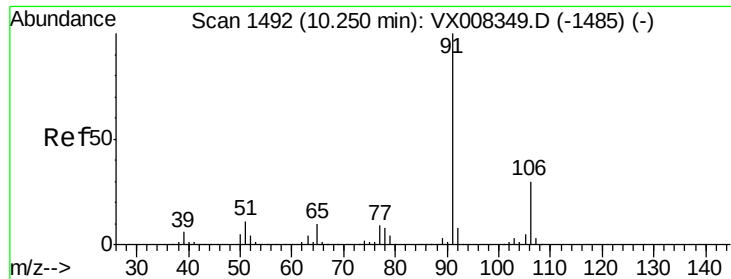
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.995 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion:131 Resp: 113409
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 68.2 32.5 97.5





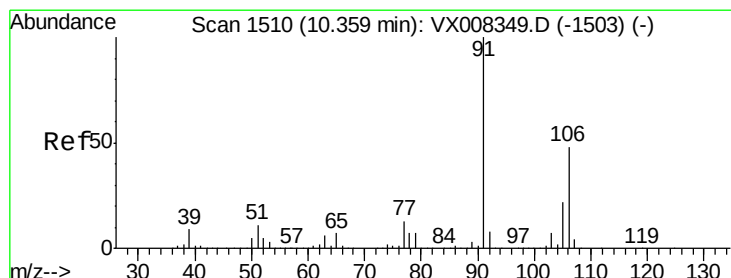
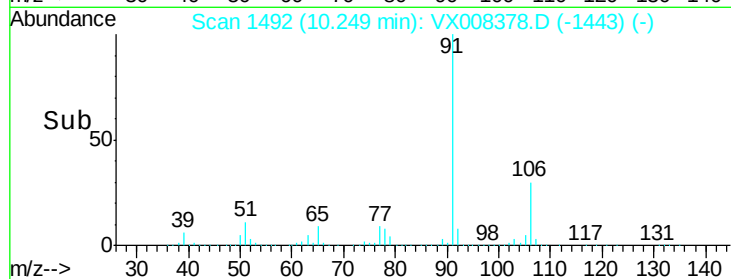
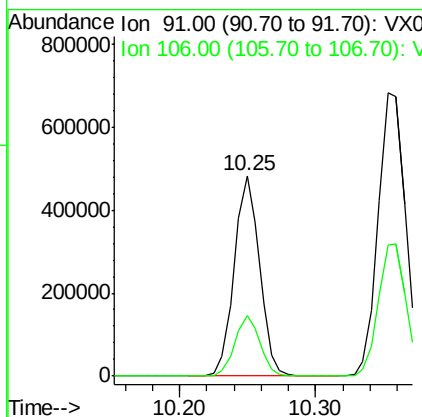
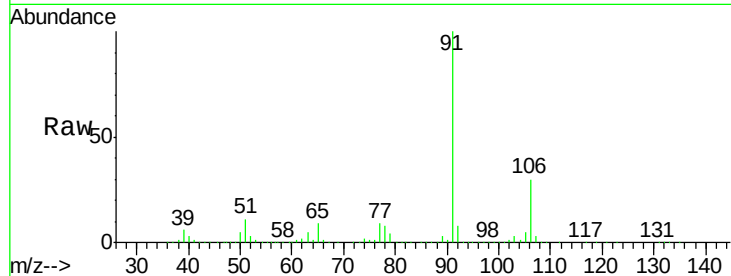
#67
Ethyl Benzene
Concen: 50.083 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 625940
Ion Ratio Lower Upper
91 100
106 30.0 25.2 37.8

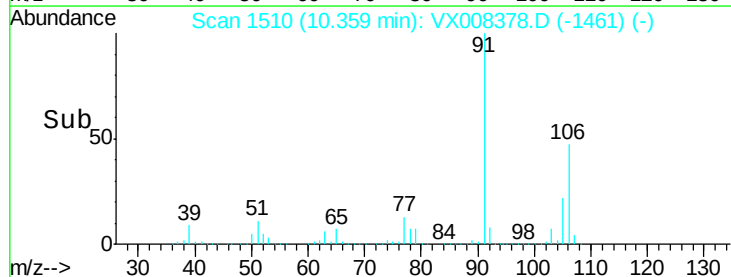
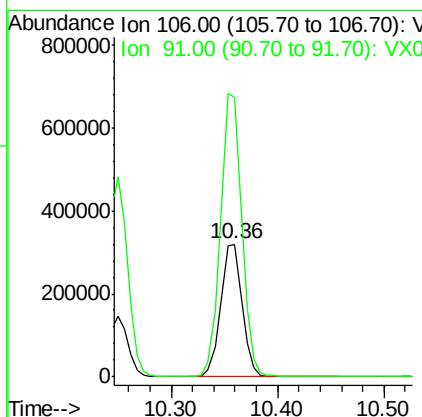
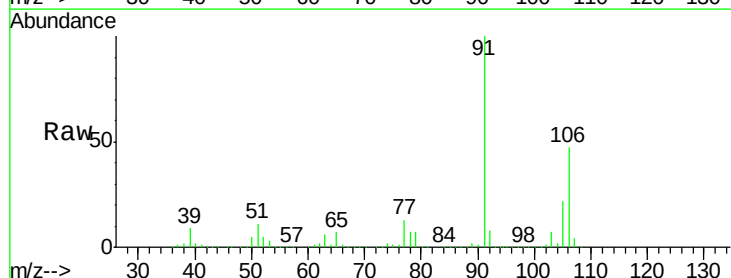
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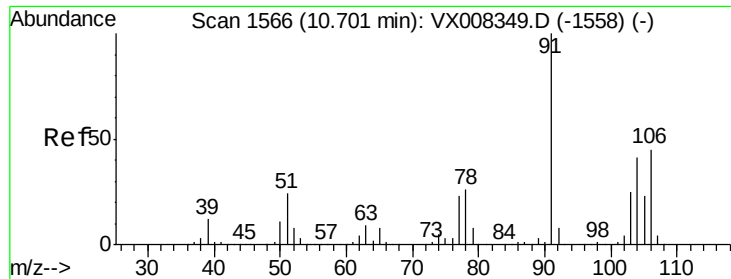
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#68
m/p-Xylenes
Concen: 100.624 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion: 106 Resp: 451855
Ion Ratio Lower Upper
106 100
91 212.6 159.8 239.6





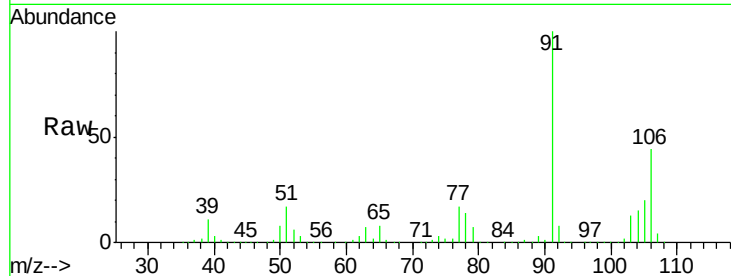
#69
o-Xylene
Concen: 49.514 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

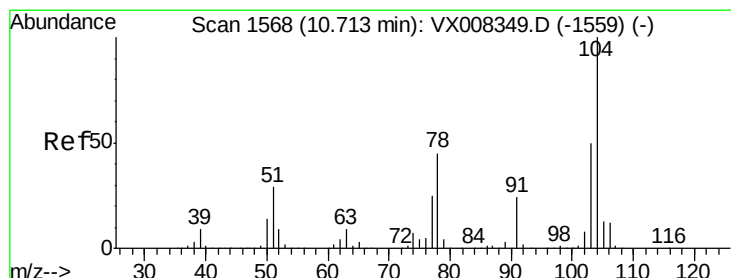
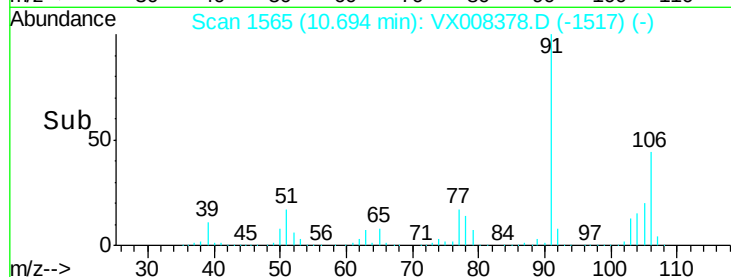
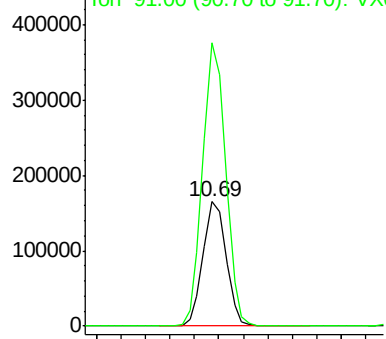
Tot Ion:106 Resp: 217414
Ion Ratio Lower Upper
106 100
91 225.1 106.3 318.9

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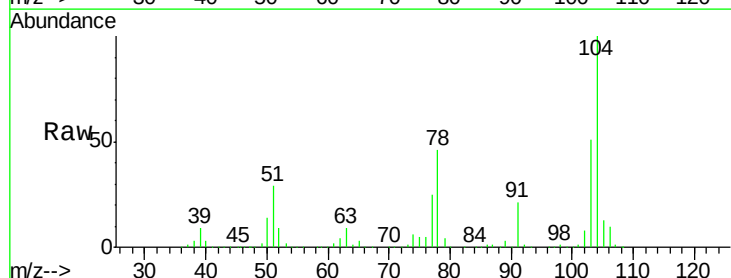


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

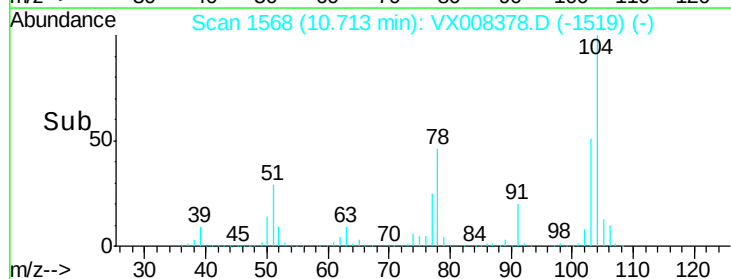
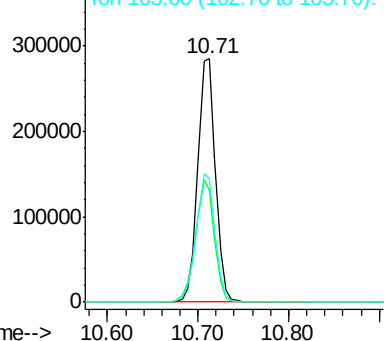


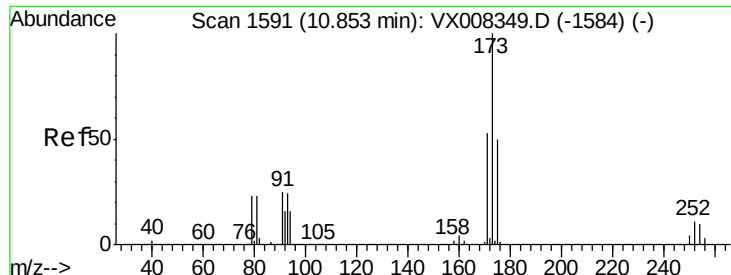
#70
Styrene
Concen: 50.708 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion:104 Resp: 386150
Ion Ratio Lower Upper
104 100
78 53.3 38.5 57.7
103 56.1 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.458 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 89970

Ion Ratio Lower Upper

173 100

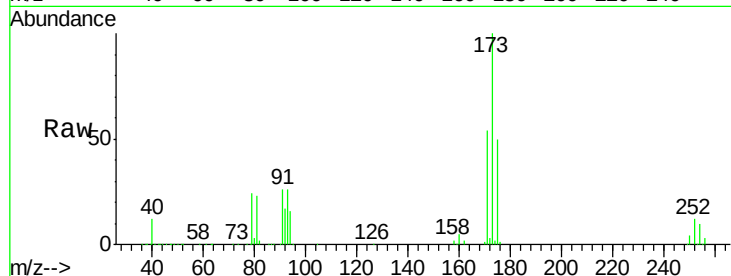
175 48.7 24.3 72.9

254 0.2 0.1 0.1#

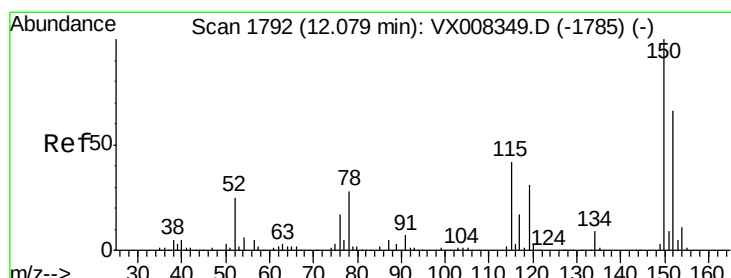
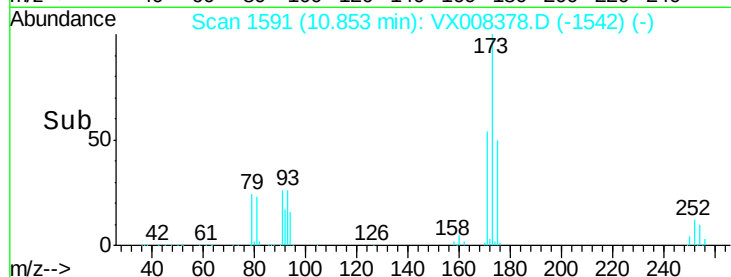
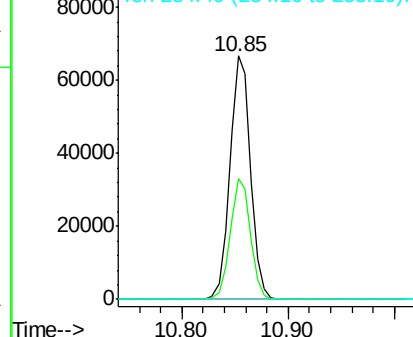
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

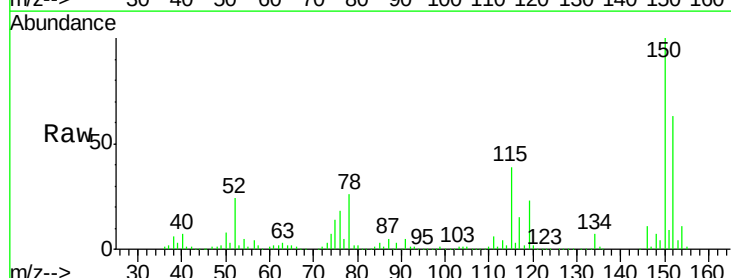
Tgt Ion:152 Resp: 158143

Ion Ratio Lower Upper

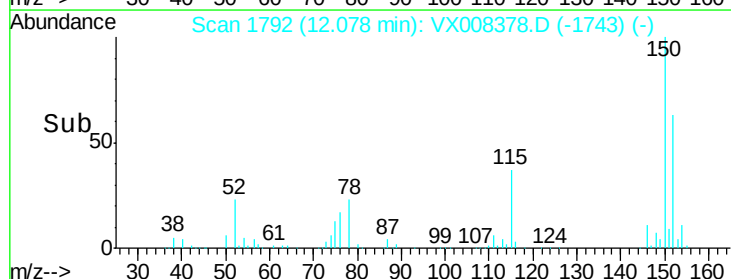
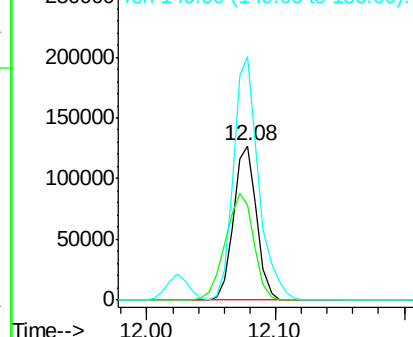
152 100

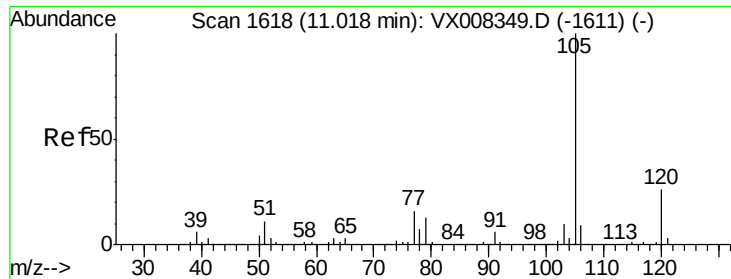
115 86.3 38.6 115.7

150 172.5 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.120 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 588076

Ion Ratio Lower Upper

105 100

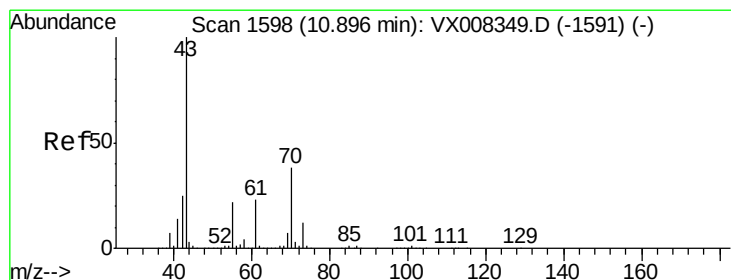
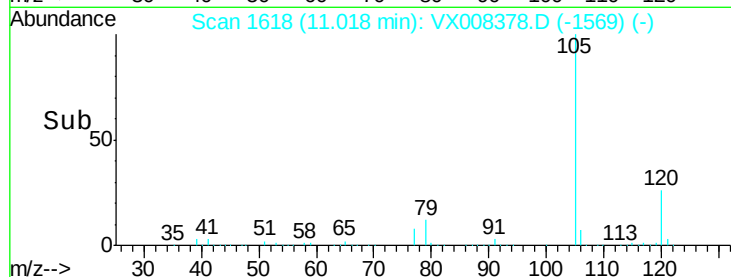
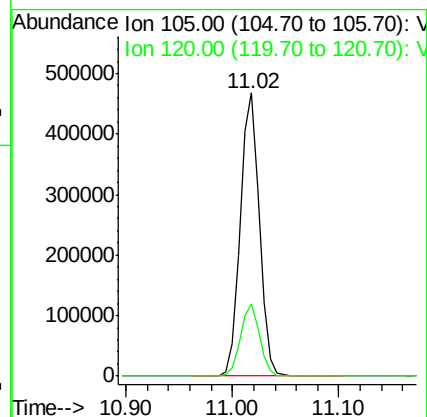
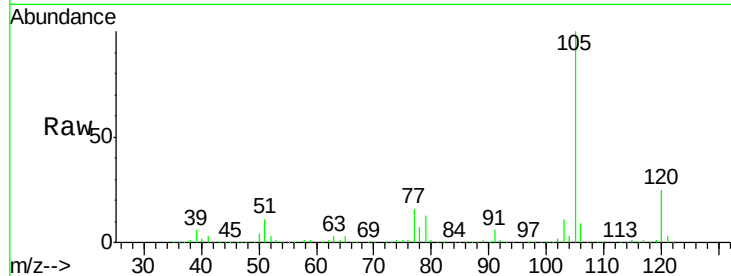
120 25.4 13.4 40.1

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#74

N-ethyl acetate

Concen: 48.784 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Tgt Ion: 43 Resp: 356463

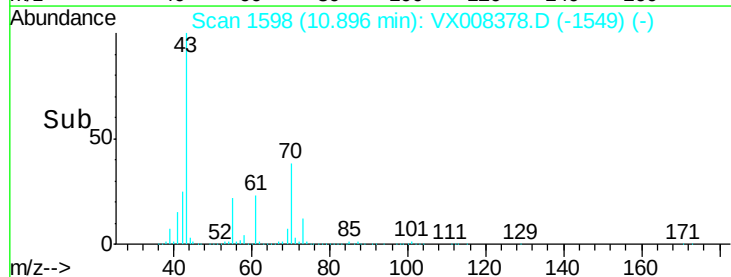
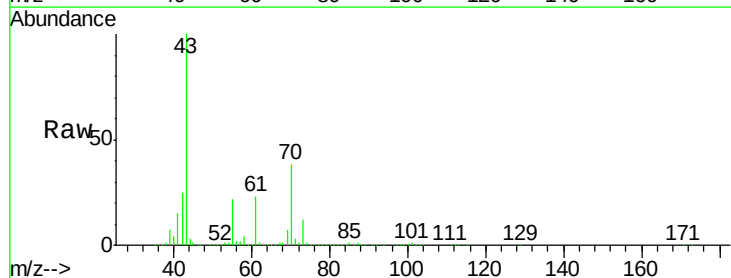
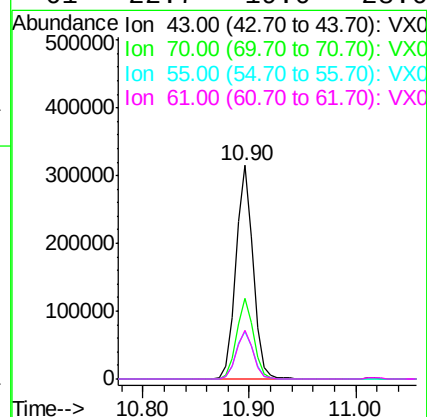
Ion Ratio Lower Upper

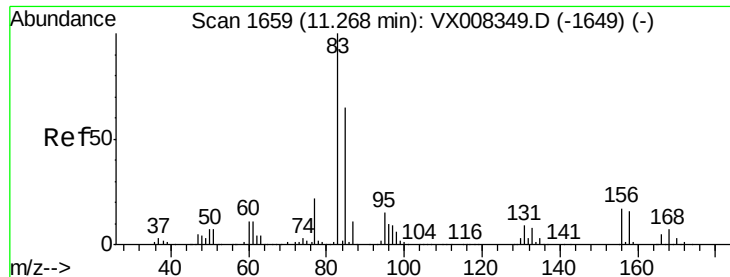
43 100

70 37.9 33.5 50.3

55 22.9 19.2 28.8

61 22.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.003 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

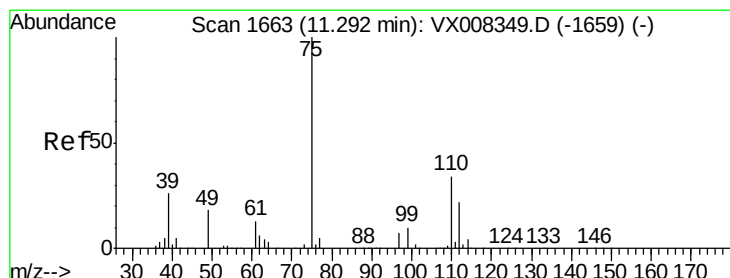
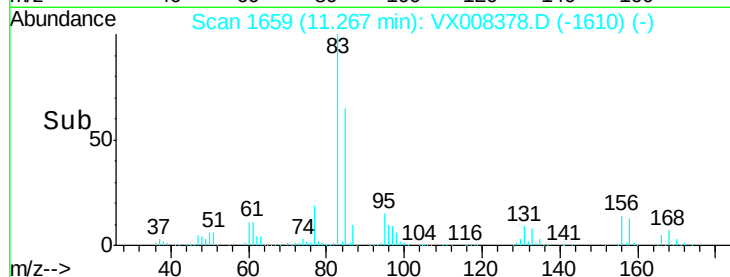
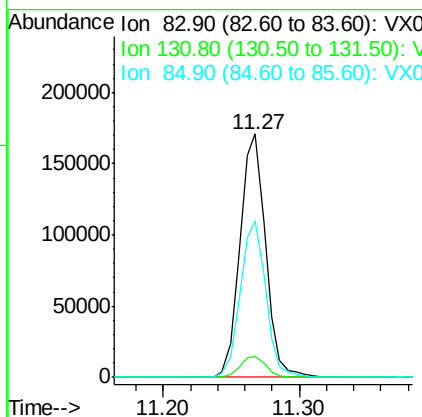
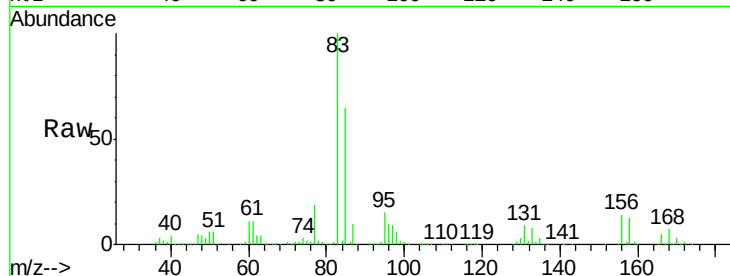
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	223716
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.4	16.2
85	64.4	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 45.022 ug/l m

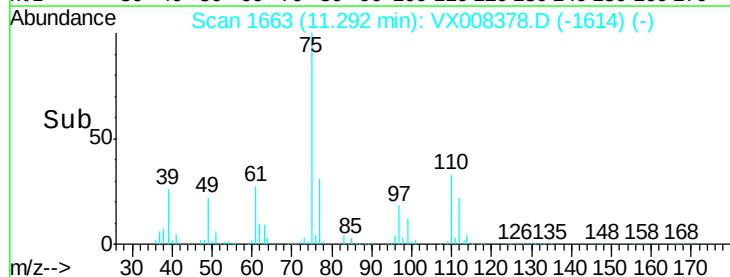
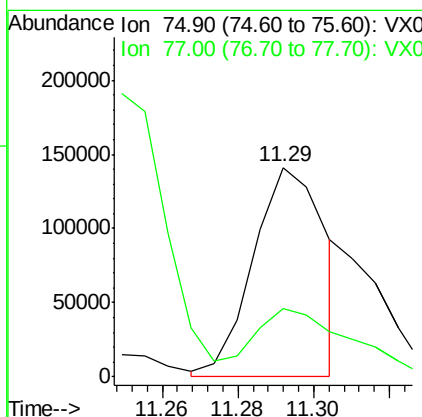
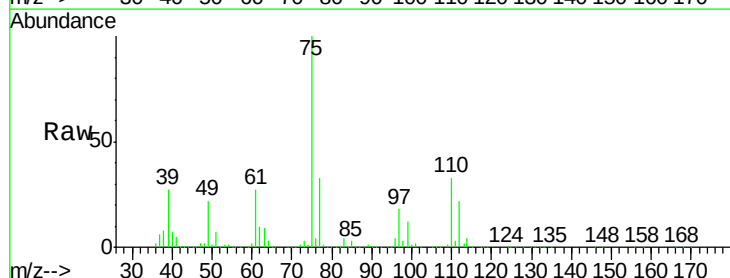
RT: 11.29 min Scan# 1663

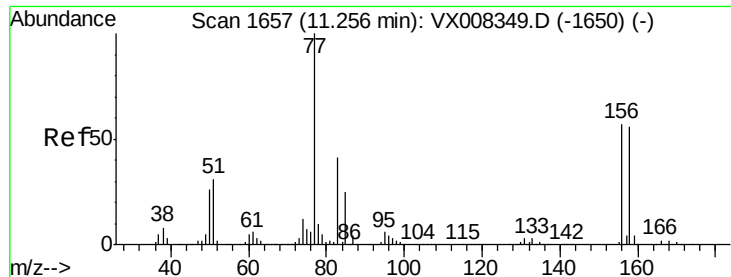
Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Tgt Ion:	75	Resp:	186365
Ion Ratio	Lower	Upper	
75	100		
77	44.1	18.9	56.7





#77

Bromobenzene

Concen: 46.006 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

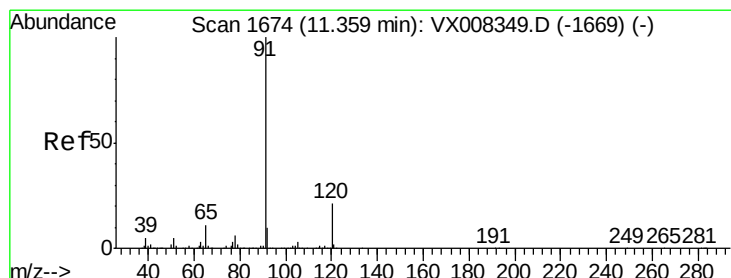
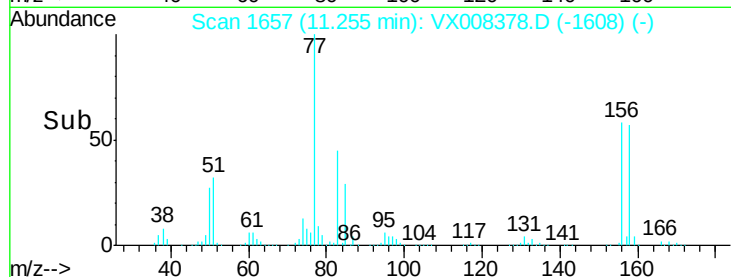
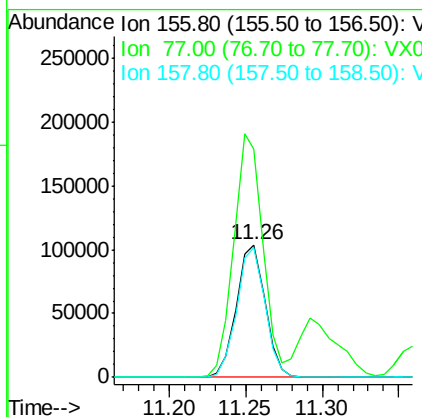
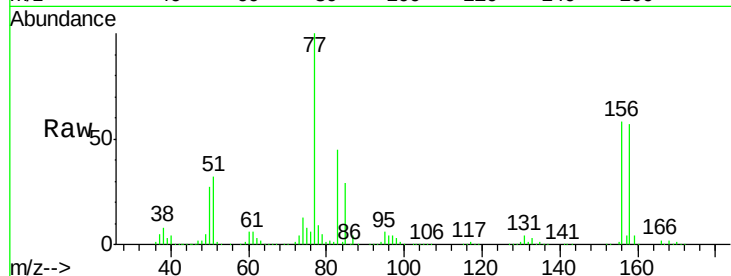
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	135857
Ion Ratio	Lower	Upper	
156	100		
77	184.8	72.0	215.9
158	96.6	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 48.692 ug/l

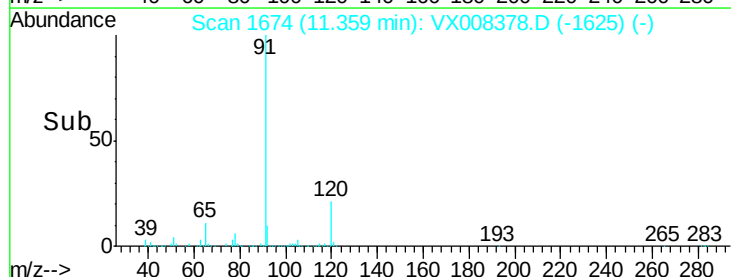
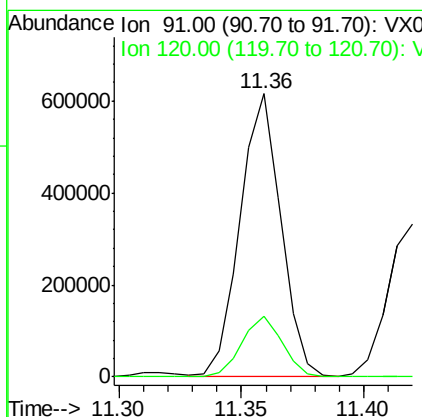
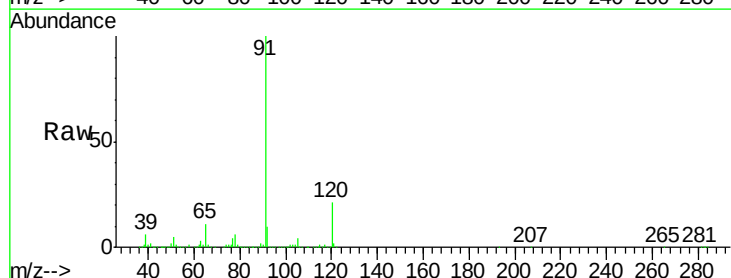
RT: 11.36 min Scan# 1674

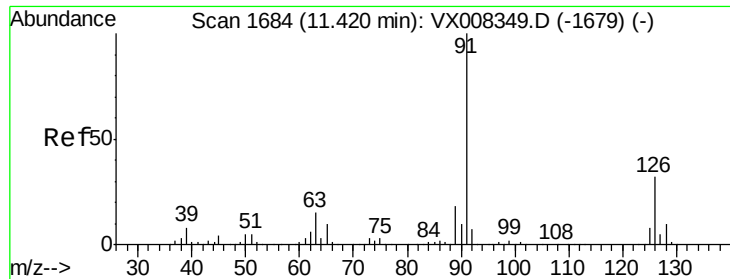
Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Tgt Ion:	91	Resp:	712245
Ion Ratio	Lower	Upper	
91	100		
120	21.5	12.0	36.0





#79

2-Chlorotoluene

Concen: 46.675 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 415890

Ion Ratio Lower Upper

91 100

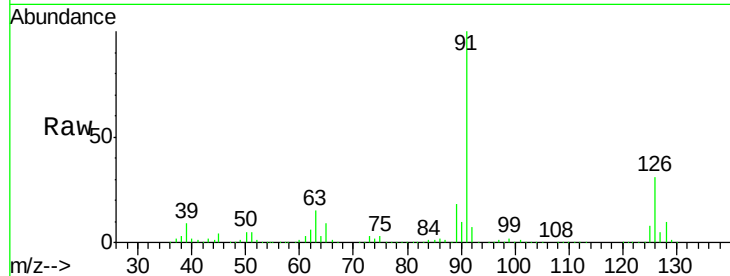
126 31.6 17.5 52.6

Manual Integrations

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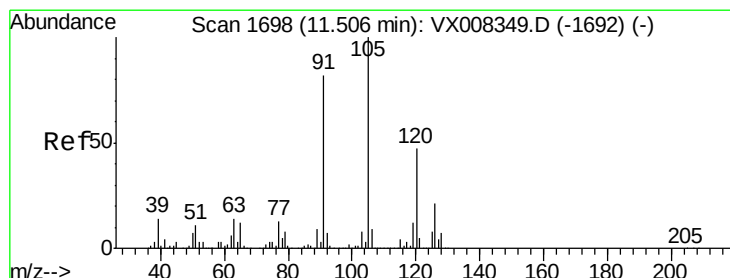
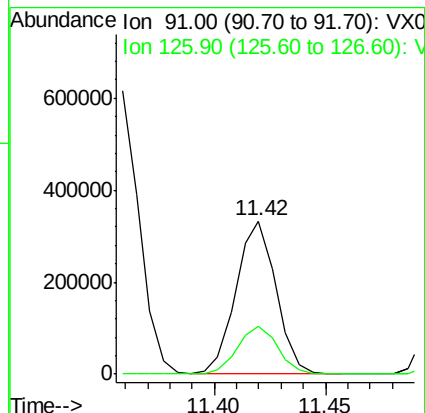
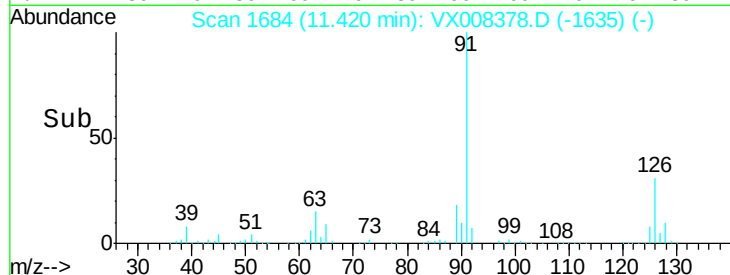
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.213 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008378.D

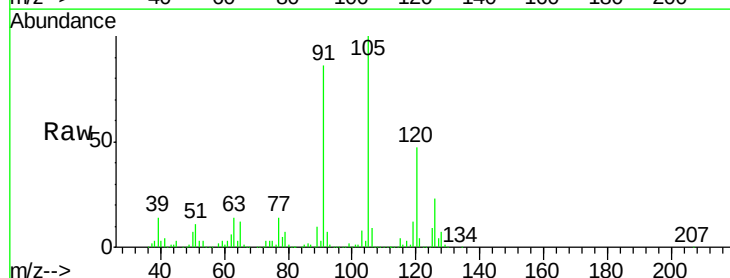
Acq: 24 Mar 2019 09:48

Tgt Ion:105 Resp: 511867

Ion Ratio Lower Upper

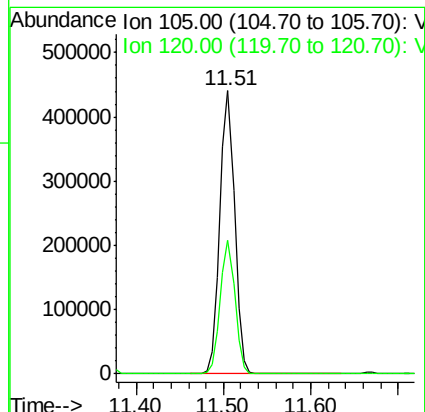
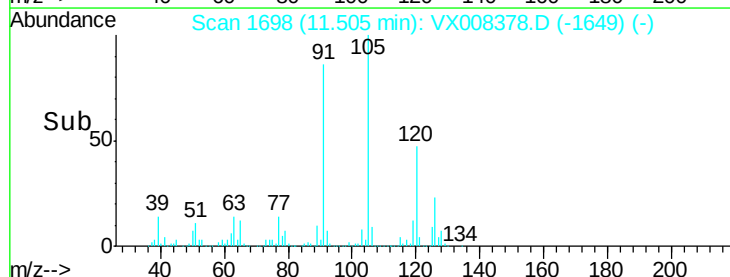
105 100

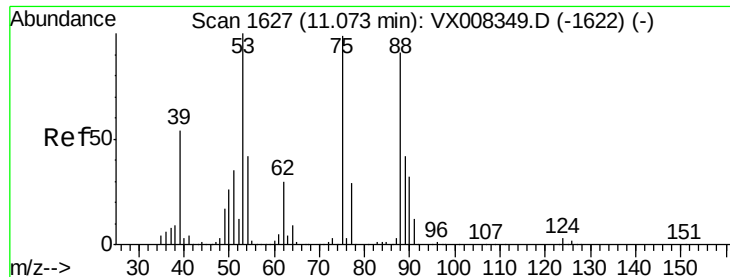
120 46.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.909 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

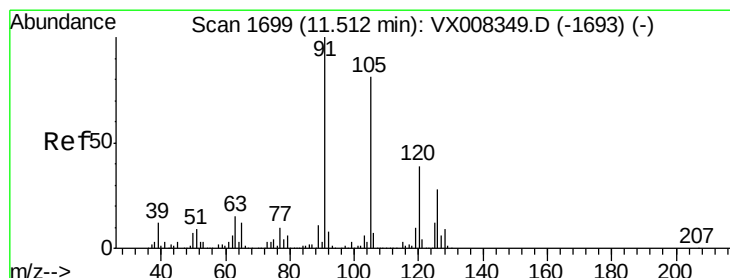
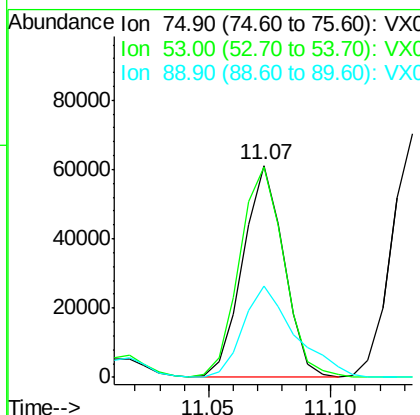
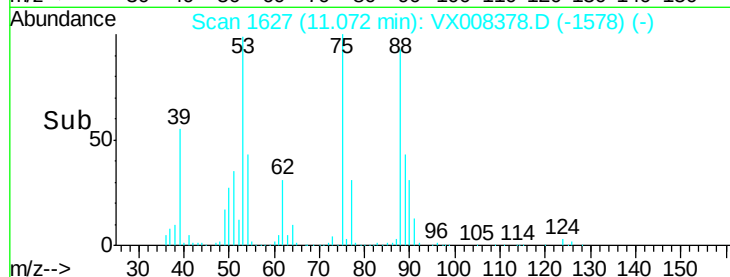
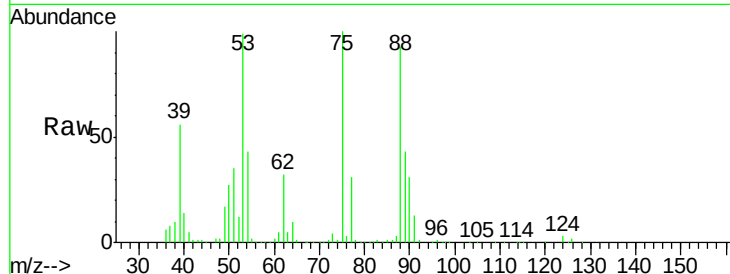
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.0	76.1	114.1
89	55.0	36.3	54.5#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.540 ug/l

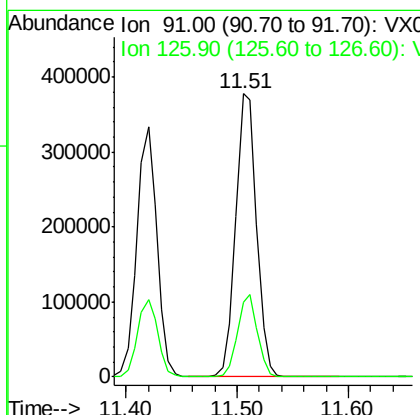
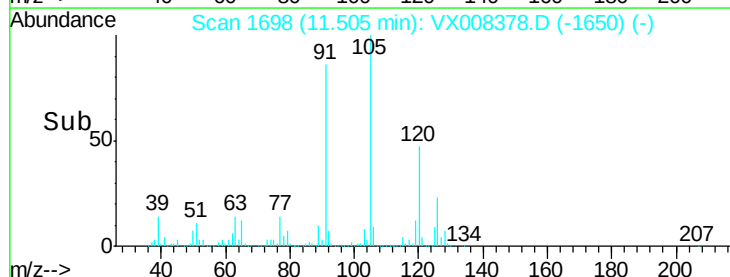
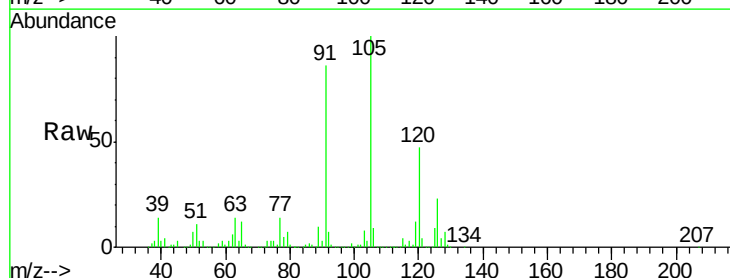
RT: 11.51 min Scan# 1698

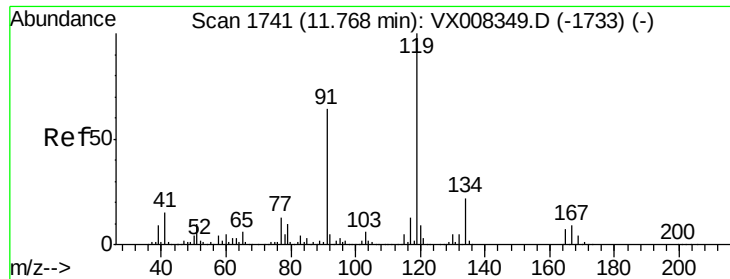
Delta R.T. -0.01 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	15.6	46.8





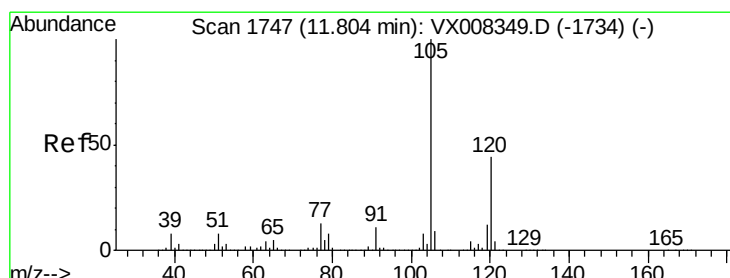
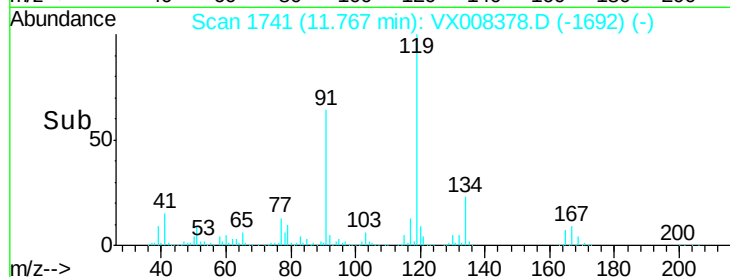
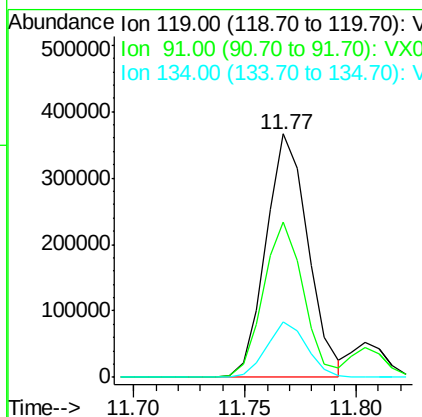
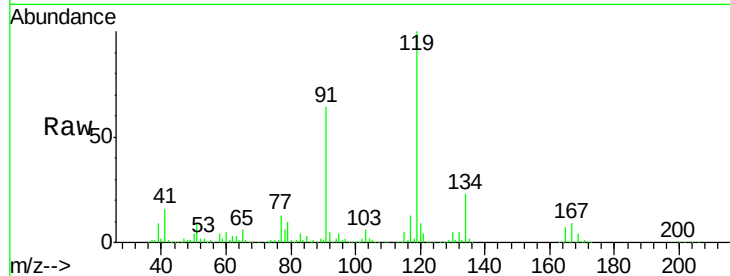
#83
 tert-Butylbenzene
 Concen: 47.586 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	481092		
91	60.8		27.1	81.3
134	21.9		11.4	34.1

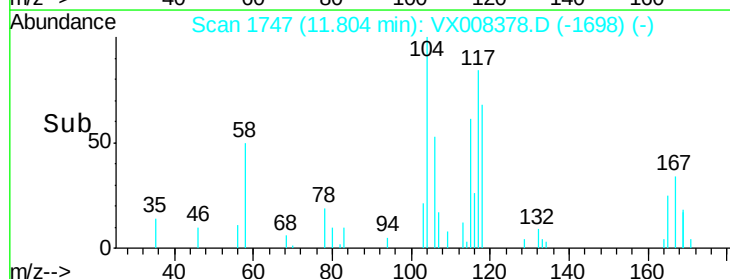
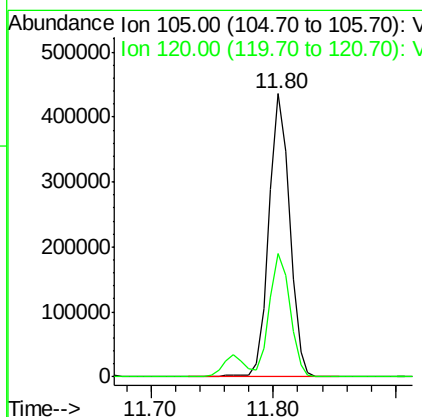
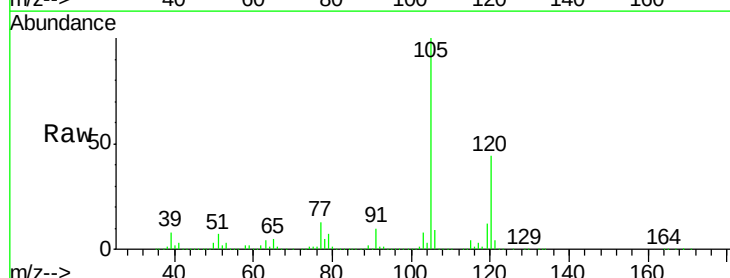
Manual Integrations
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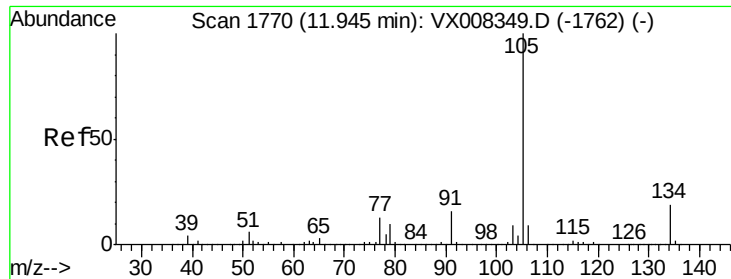
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.474 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	513581		
120	43.1		22.6	67.7





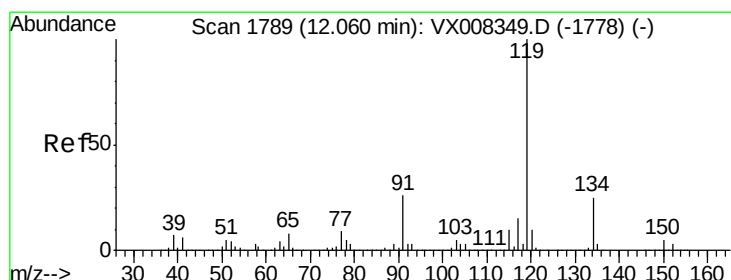
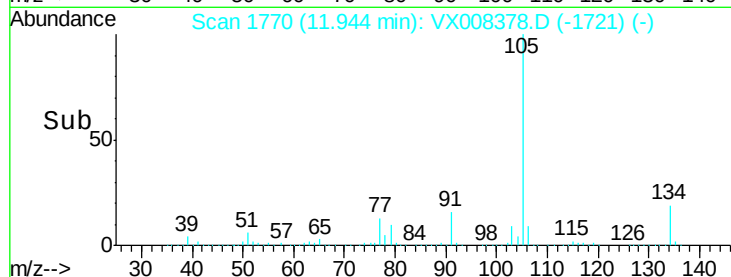
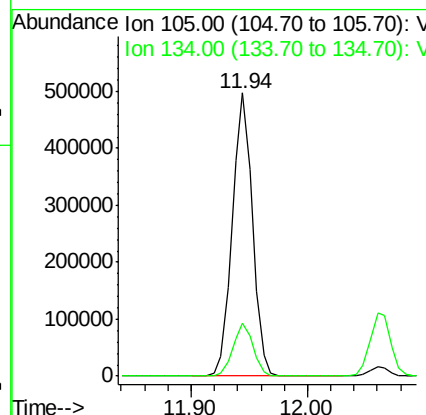
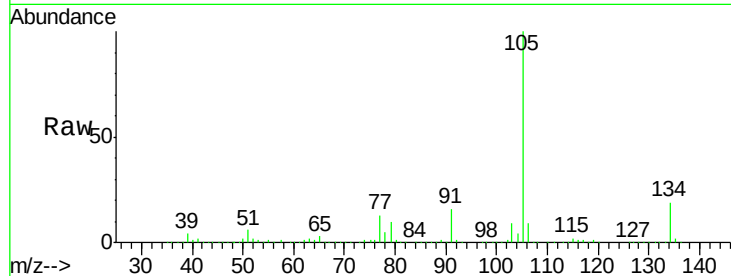
#85
 sec-Butylbenzene
 Concen: 49.089 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	10.4	31.2

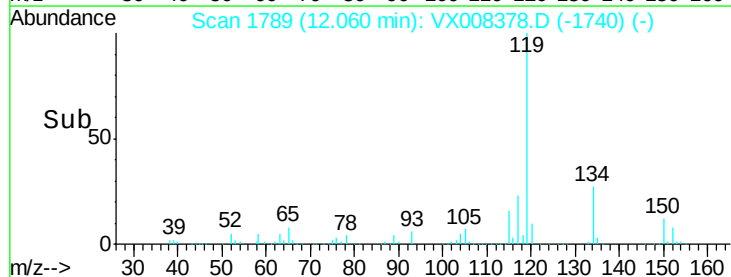
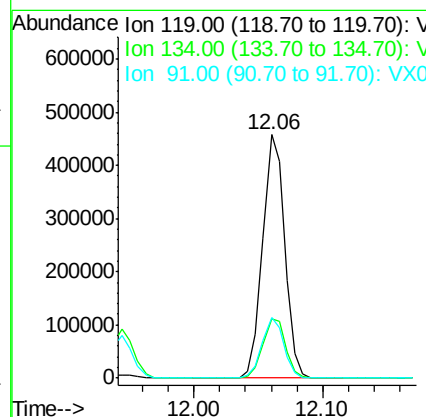
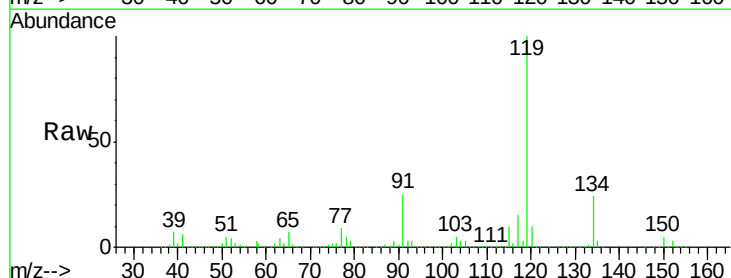
Manual Integrations
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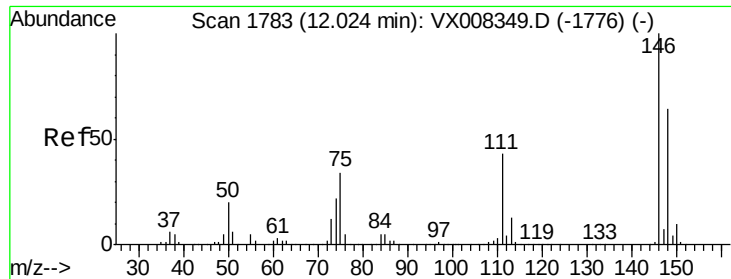
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#86
 p-Isopropyltoluene
 Concen: 50.348 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.3	39.9
91	24.5	10.9	32.7





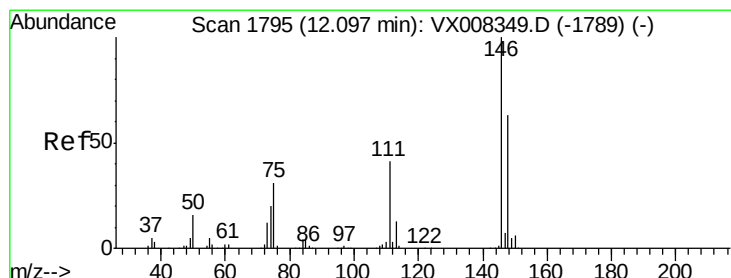
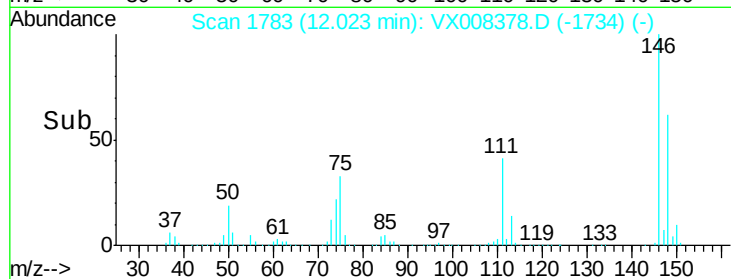
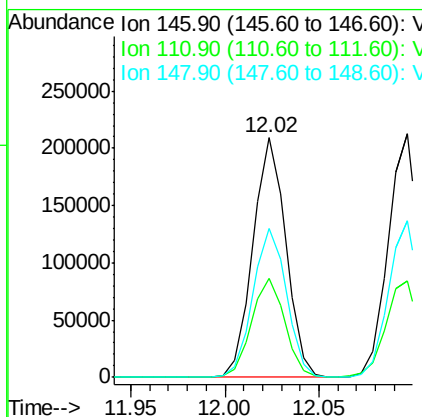
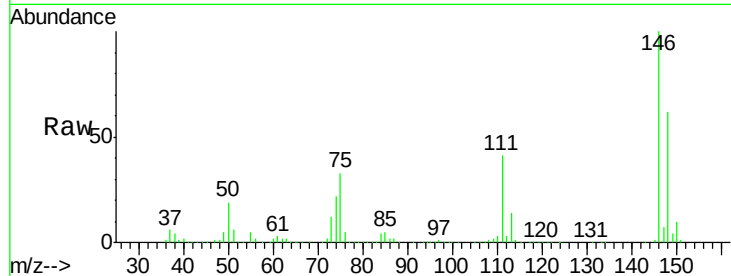
#87
 1,3-Dichlorobenzene
 Concen: 47.759 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.9	56.7
148	63.4	31.7	95.1

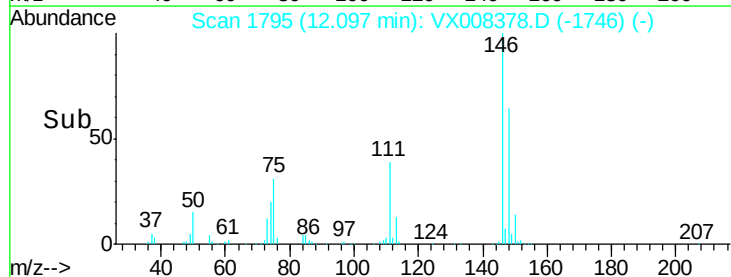
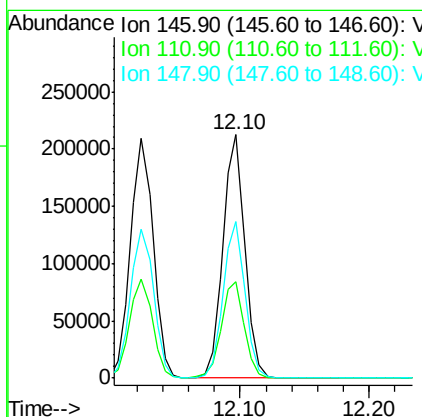
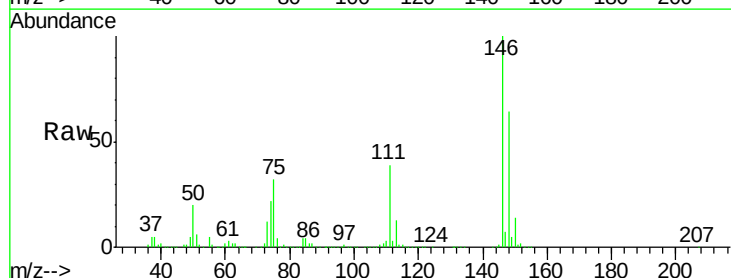
Manual Integrations
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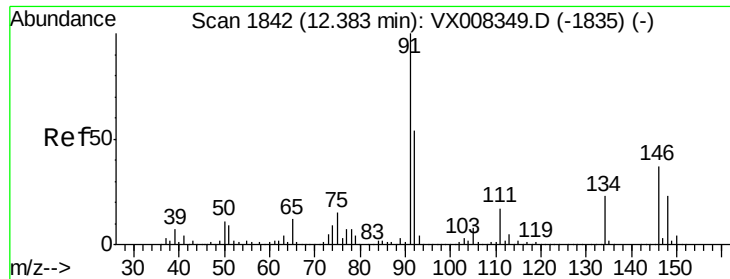
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#88
 1,4-Dichlorobenzene
 Concen: 47.292 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008378.D
 Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	18.4	55.0
148	64.1	32.2	96.6





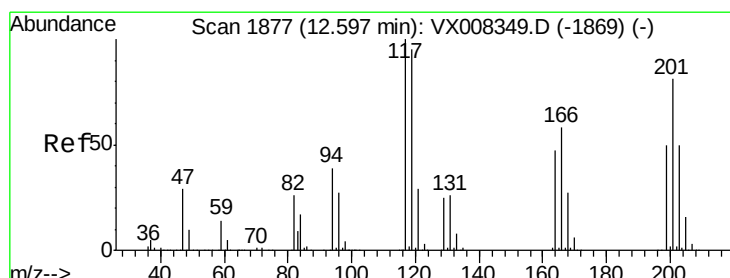
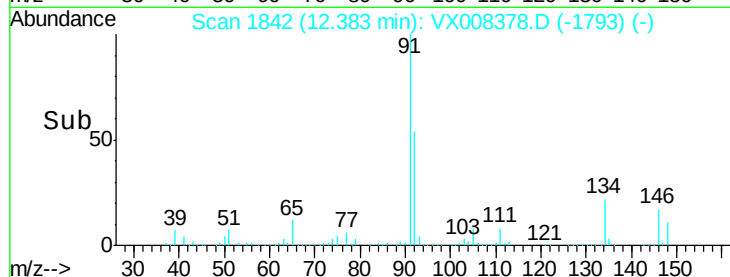
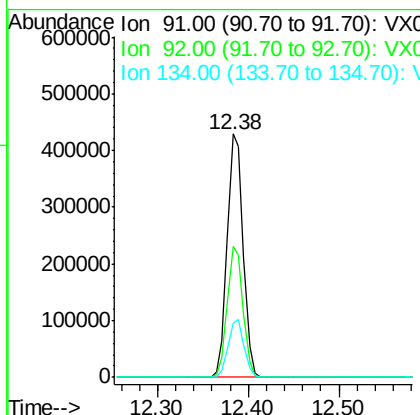
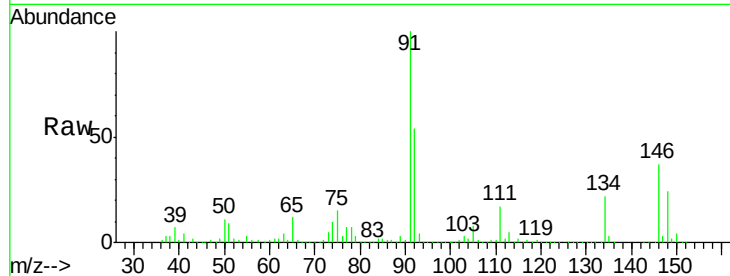
#89
n-Butylbenzene
Concen: 51.085 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.0	80.8
134	23.6	13.7	41.0

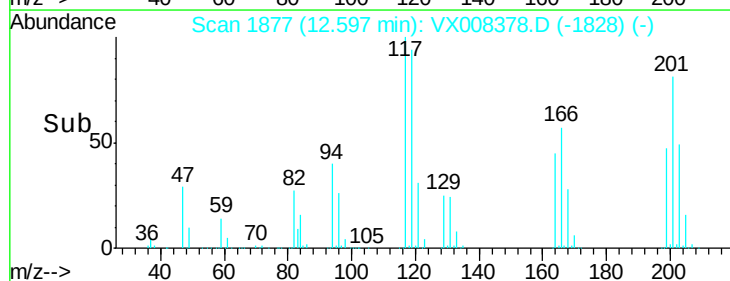
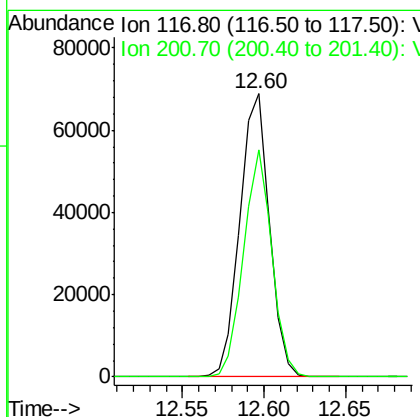
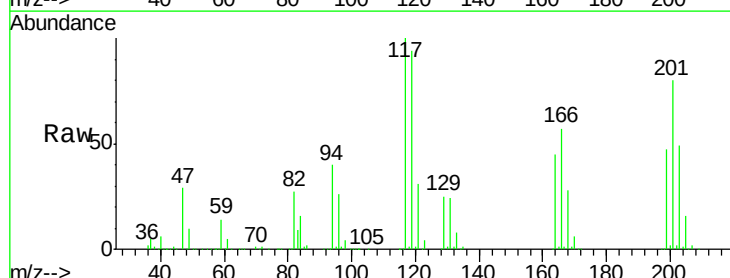
Manual Integrations
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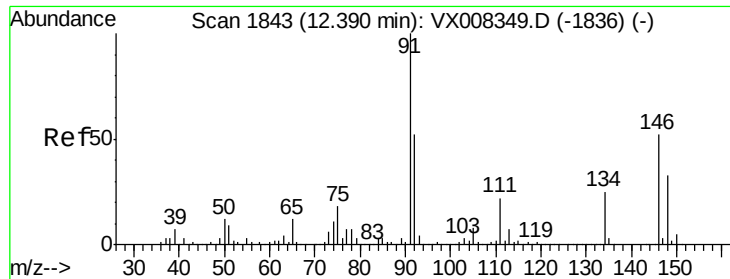
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3/25/2019 11:24:14 AM



#90
Hexachloroethane
Concen: 49.500 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 47.945 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Instrument :

MSVOA_X

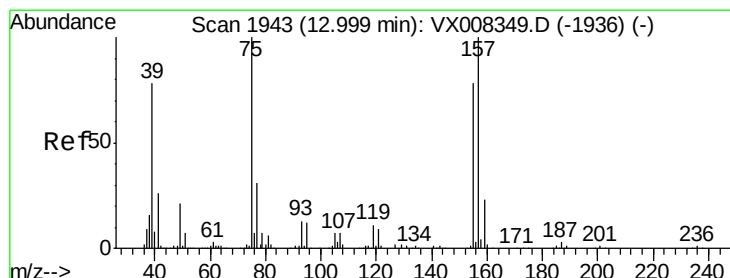
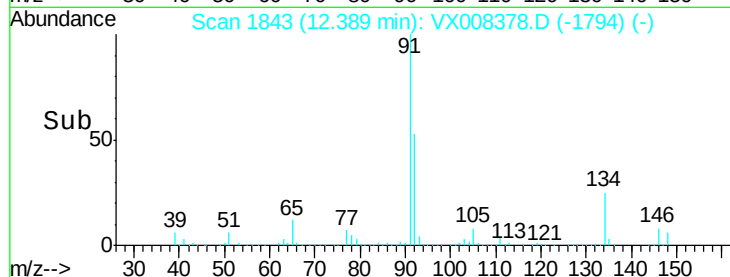
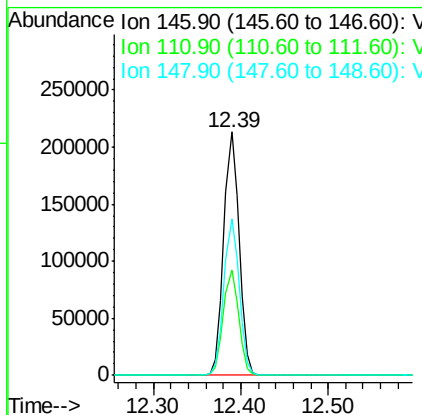
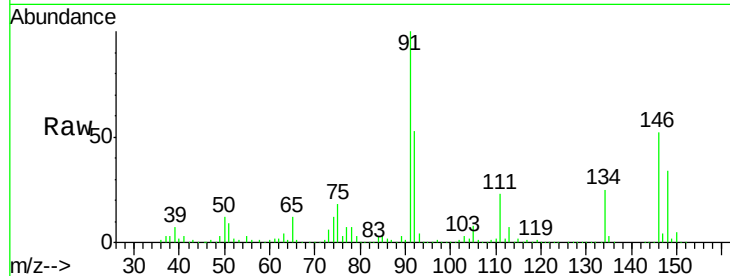
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	257541
Ion Ratio	Lower	Upper	
146	100		
111	43.5	19.6	58.8
148	64.2	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.919 ug/l

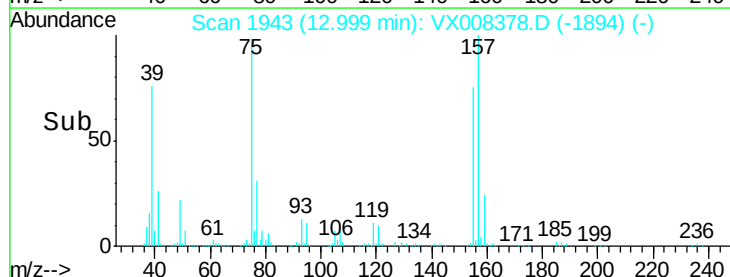
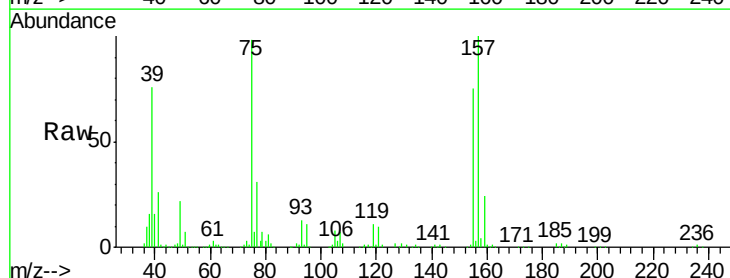
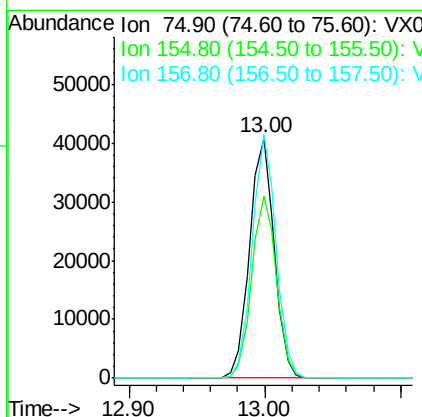
RT: 13.00 min Scan# 1943

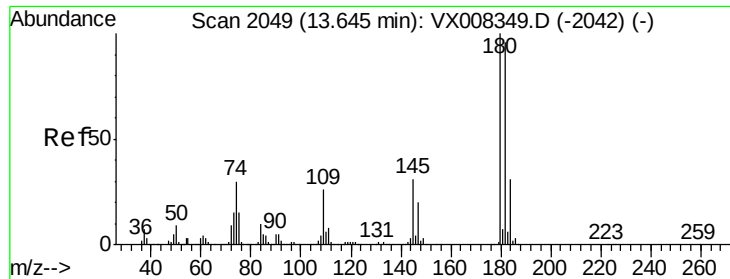
Delta R.T. -0.00 min

Lab File: VX008378.D

Acq: 24 Mar 2019 09:48

Tgt Ion:	75	Resp:	51831
Ion Ratio	Lower	Upper	
75	100		
155	76.3	49.7	149.1
157	98.7	63.8	191.4





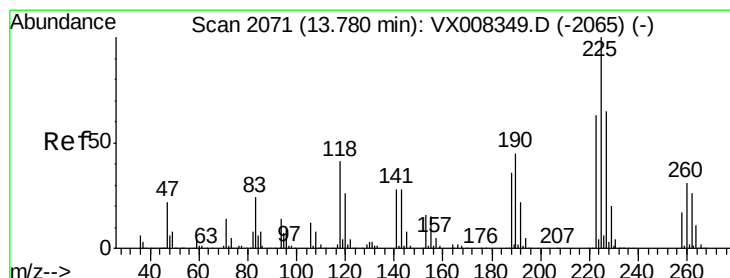
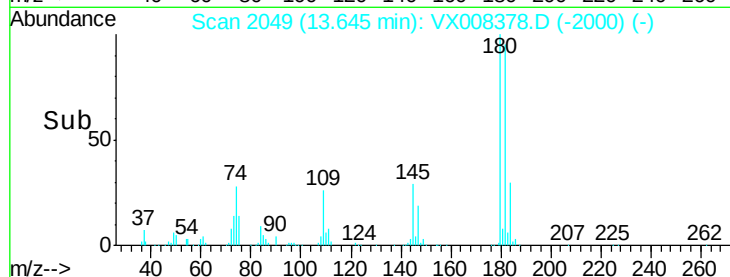
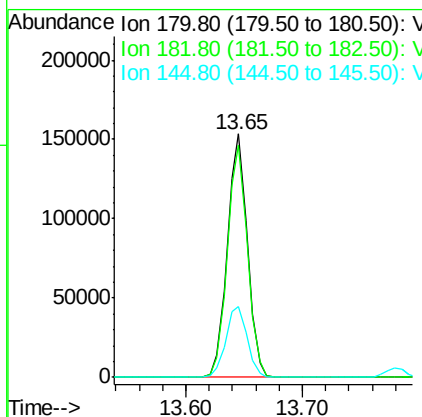
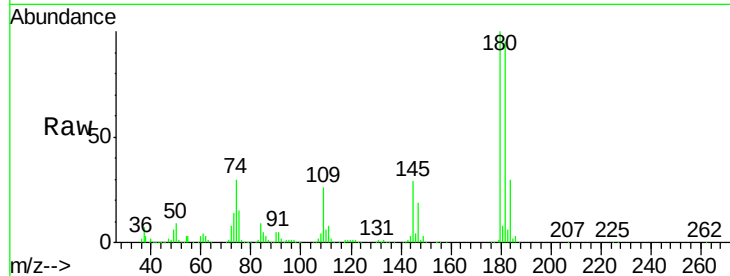
#93
1,2,4-Trichlorobenzene
Concen: 50.473 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	182823		
182	95.7	47.9	143.7	
145	30.7	14.1	42.4	

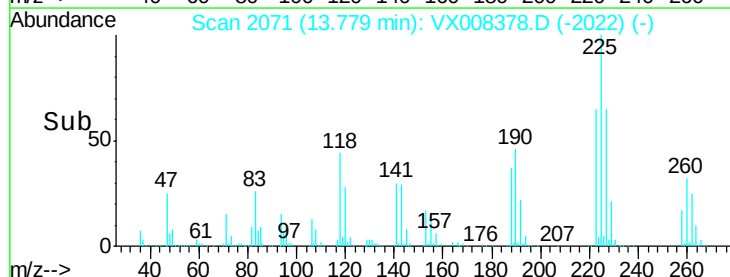
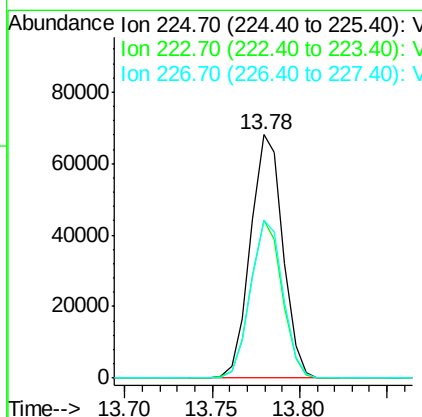
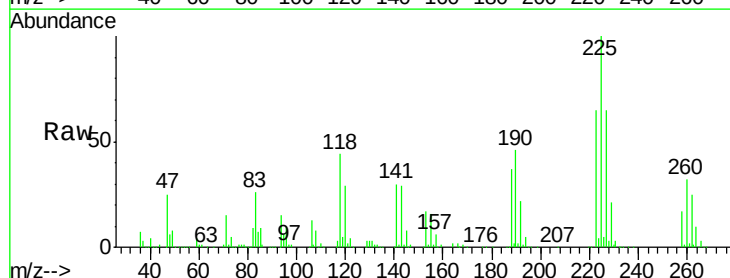
Manual Integrations
APPROVED

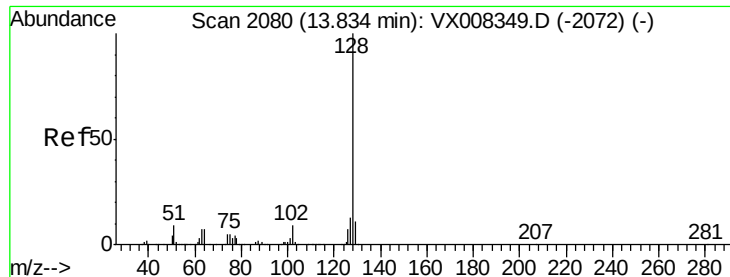
MMDadoda
3/25/2019 11:24:14 AM



#94
Hexachlorobutadiene
Concen: 51.032 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87358		
223	63.2	31.1	93.2	
227	64.9	32.0	96.0	





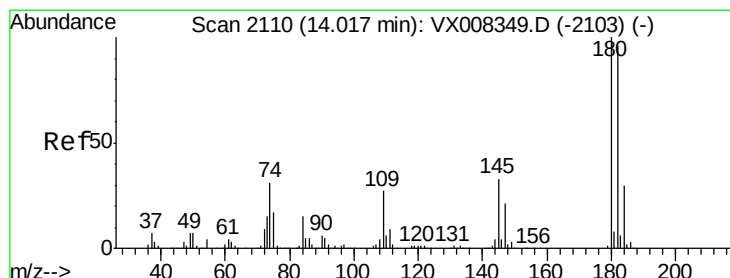
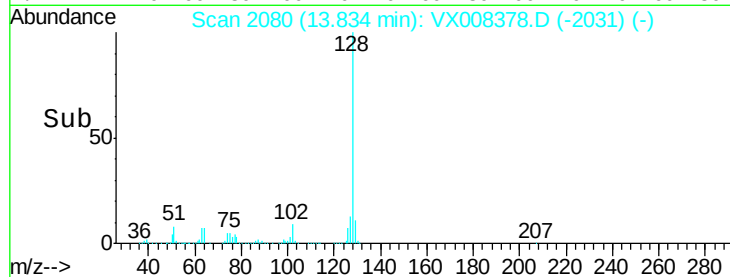
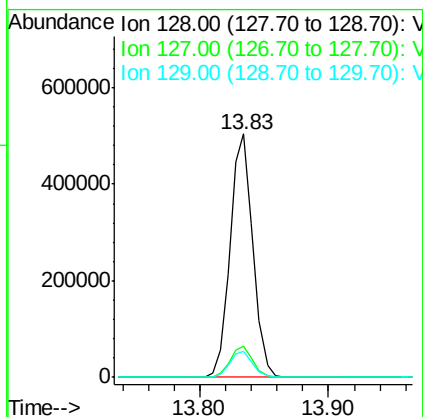
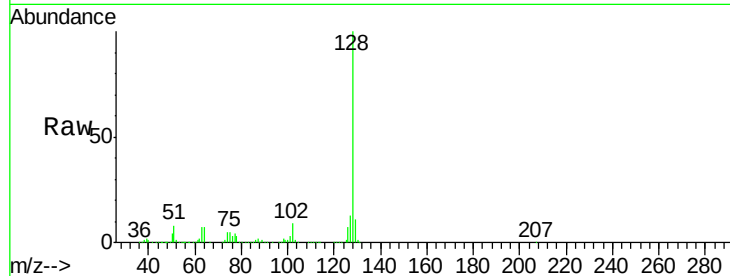
#95
Naphthalene
Concen: 48.832 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 11:24:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.975 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008378.D
Acq: 24 Mar 2019 09:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	32.6	14.8	44.3

