

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041319\
 Data File : VX008948.D
 Acq On : 13 Apr 2019 21:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:55:43 PM

Quant Time: Apr 15 05:08:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	150290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	252881	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113109	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	5.50	113	85623	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	8.71	98	331106	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	11.13	95	118395	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	97549	56.388	ug/l 99
3) Chloromethane	1.32	50	116449	55.097	ug/l 100
4) Vinyl Chloride	1.41	62	116051	49.624	ug/l 99
5) Bromomethane	1.64	94	62148	53.798	ug/l 99
6) Chloroethane	1.71	64	68348	53.741	ug/l 98
7) Trichlorofluoromethane	1.92	101	134946	52.201	ug/l 98
8) Diethyl Ether	2.19	74	62622	51.081	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	82800	49.748	ug/l 97
10) Methyl Iodide	2.51	142	94031	61.069	ug/l 100
11) Tert butyl alcohol	3.06	59	136438	265.862	ug/l 100
12) 1,1-Dichloroethene	2.37	96	87363	50.281	ug/l 97
13) Acrolein	2.29	56	77841	305.898	ug/l 98
14) Allyl chloride	2.73	41	197208	49.580	ug/l 99
15) Acrylonitrile	3.14	53	344249	253.212	ug/l 100
16) Acetone	2.45	43	296539	234.870	ug/l 98
17) Carbon Disulfide	2.57	76	248413	49.503	ug/l 100
18) Methyl Acetate	2.78	43	155482	50.776	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	330720	53.299	ug/l 99
20) Methylene Chloride	2.85	84	101347	47.955	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	91873	48.885	ug/l 94
22) Diisopropyl ether	3.85	45	391388	51.053	ug/l 90
23) Vinyl Acetate	3.82	43	1762648	264.296	ug/l 99
24) 1,1-Dichloroethane	3.70	63	193377	50.947	ug/l 100
25) 2-Butanone	4.68	43	510447	255.796	ug/l 100
26) 2,2-Dichloropropane	4.58	77	116954	43.748	ug/l 100
27) cis-1,2-Dichloroethene	4.60	96	109003	50.447	ug/l 96
28) Bromochloromethane	5.02	49	89977	57.183	ug/l 98
29) Tetrahydrofuran	5.13	42	341618	257.927	ug/l 100
30) Chloroform	5.21	83	175398	51.737	ug/l 98
31) Cyclohexane	5.58	56	184789	48.790	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	144026	52.572	ug/l 99
36) 1,1-Dichloropropene	5.80	75	134541	48.672	ug/l 99
37) Ethyl Acetate	4.84	43	193605	52.472	ug/l 99
38) Carbon Tetrachloride	5.79	117	120123	52.505	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	160746	47.074	ug/l	99
40) Benzene	6.14	78	417004	50.638	ug/l	100
41) Methacrylonitrile	5.04	41	109450	51.606	ug/l	99
42) 1,2-Dichloroethane	6.20	62	148770	50.392	ug/l	100
43) Isopropyl Acetate	6.45	43	307103	53.133	ug/l	100
44) Trichloroethene	7.21	130	98133	51.165	ug/l	97
45) 1,2-Dichloropropane	7.51	63	117435	49.962	ug/l	99
46) Dibromomethane	7.66	93	67654	49.628	ug/l	98
47) Bromodichloromethane	7.90	83	133800	52.055	ug/l	100
48) Methyl methacrylate	7.77	41	152804	52.263	ug/l	99
49) 1,4-Dioxane	7.74	88	53994	985.825	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	974908	262.020	ug/l	100
52) Toluene	8.79	92	246226	50.716	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	153138	53.187	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	168712	51.281	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	101388	52.025	ug/l	98
56) Ethyl methacrylate	9.18	69	186178	52.801	ug/l	100
57) 1,3-Dichloropropane	9.37	76	180058	51.454	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	456546	253.572	ug/l	99
59) 2-Hexanone	9.49	43	734554	254.034	ug/l	100
60) Dibromochloromethane	9.58	129	100352	54.646	ug/l	100
61) 1,2-Dibromoethane	9.67	107	104596	51.556	ug/l	99
64) Tetrachloroethene	9.34	164	90891	55.207	ug/l	97
65) Chlorobenzene	10.14	112	251814	51.122	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	93331	54.009	ug/l	100
67) Ethyl Benzene	10.25	91	464806	50.605	ug/l	97
68) m/p-Xylenes	10.36	106	335288	101.526	ug/l	99
69) o-Xylene	10.70	106	164308	51.339	ug/l	98
70) Styrene	10.71	104	286815	51.989	ug/l	99
71) Bromoform	10.85	173	73659	55.811	ug/l #	98
73) Isopropylbenzene	11.02	105	436737	51.475	ug/l	100
74) N-amyl acetate	10.90	43	255770	51.238	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	155856	48.301	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	138022m	49.075	ug/l	
77) Bromobenzene	11.26	156	106385	52.158	ug/l	96
78) n-propylbenzene	11.36	91	495187	50.125	ug/l	99
79) 2-Chlorotoluene	11.42	91	297217	49.716	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	363285	51.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53615	52.549	ug/l	98
82) 4-Chlorotoluene	11.51	91	339402	49.046	ug/l	99
83) tert-Butylbenzene	11.77	119	343378	50.114	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	368303	51.072	ug/l	100
85) sec-Butylbenzene	11.94	105	413854	50.849	ug/l	99
86) p-Isopropyltoluene	12.06	119	375813	51.446	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	183209	50.174	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	180979	48.946	ug/l	99
89) n-Butylbenzene	12.38	91	339508	49.558	ug/l	99
90) Hexachloroethane	12.60	117	63987	52.812	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	181998	50.200	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35175	49.554	ug/l	96

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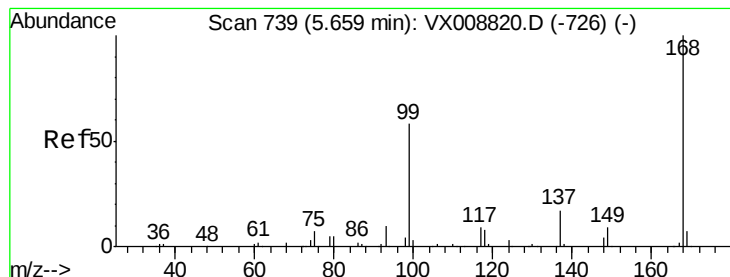
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128438	50.952	ug/l	98
94) Hexachlorobutadiene	13.78	225	62772	51.924	ug/l	100
95) Naphthalene	13.83	128	434006	51.515	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	130187	51.691	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 150290

Ion Ratio Lower Upper

168 100

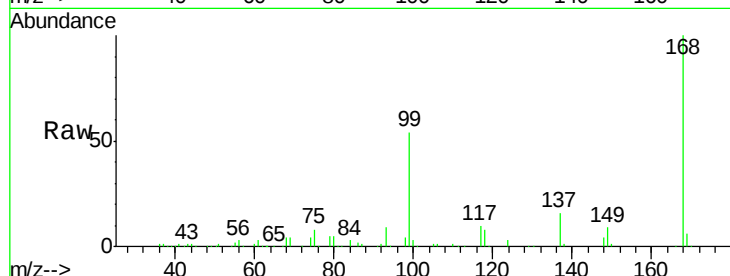
99 53.4 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

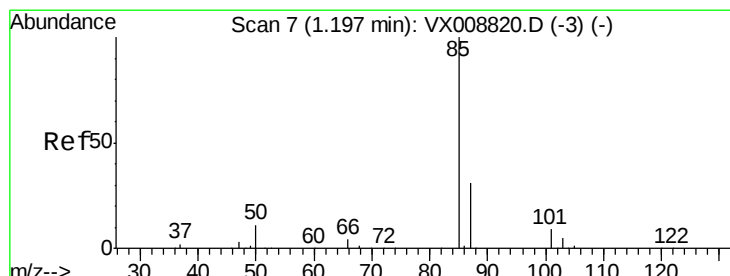
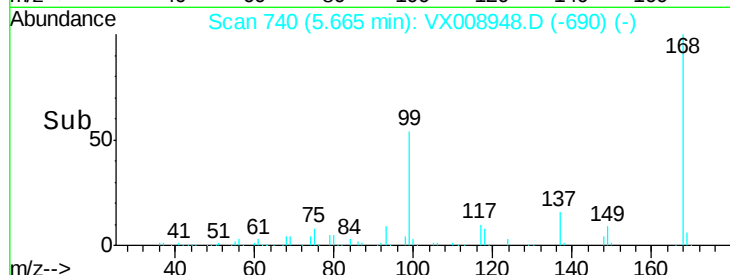
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 56.388 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008948.D

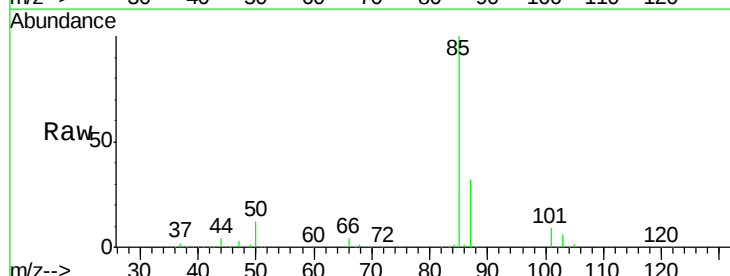
Acq: 13 Apr 2019 21:36

Tgt Ion: 85 Resp: 97549

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

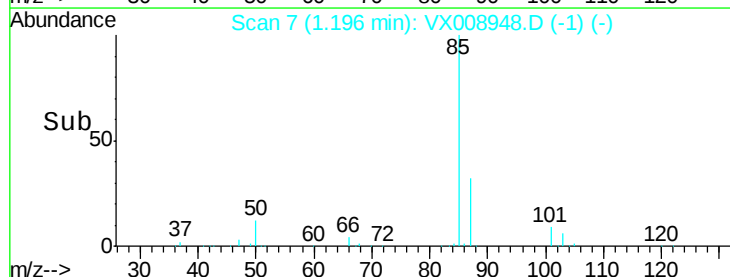
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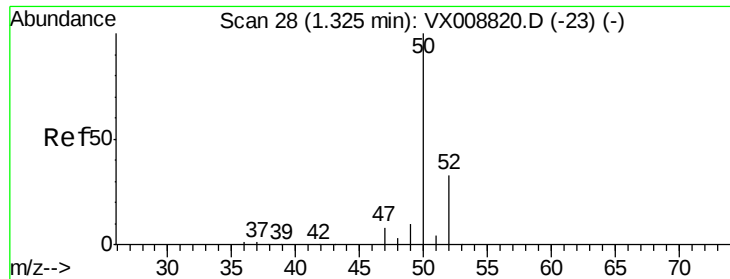
40000

20000

0

Time-->





#3

Chloromethane

Concen: 55.097 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 116449

Ion Ratio Lower Upper

50 100

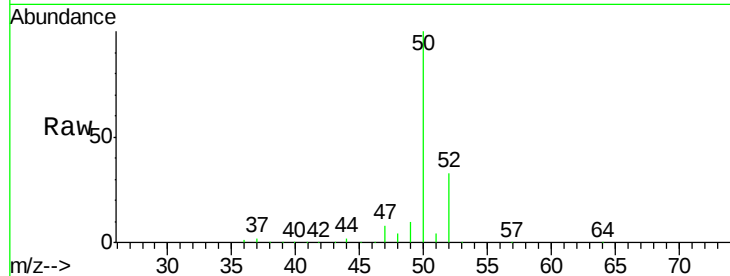
52 32.5 25.8 38.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

120000

100000

80000

60000

40000

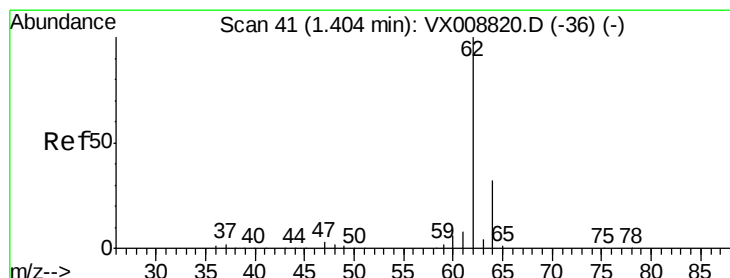
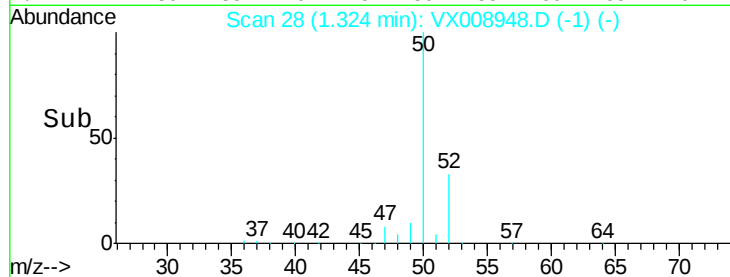
20000

0

1.32

1.30 1.32 1.34 1.36 1.38 1.40

Time-->



#4

Vinyl Chloride

Concen: 49.624 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008948.D

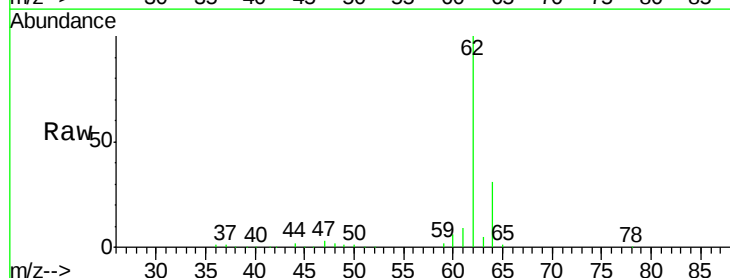
Acq: 13 Apr 2019 21:36

Tgt Ion: 62 Resp: 116051

Ion Ratio Lower Upper

62 100

64 31.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

120000

100000

80000

60000

40000

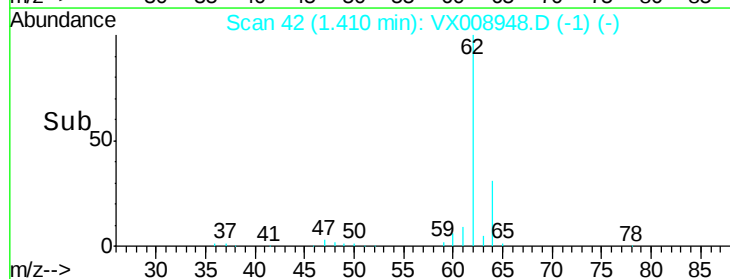
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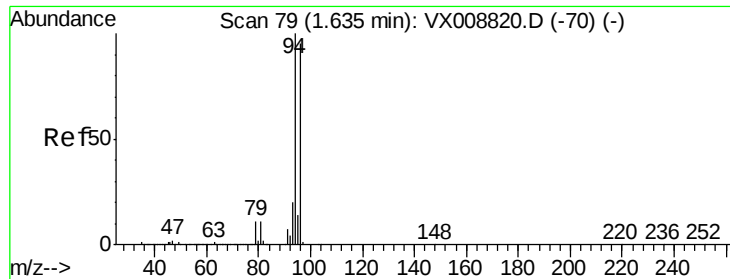
0

1.41

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 53.798 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Tot Ion: 94 Resp: 62148

Ion Ratio Lower Upper

94 100

96 92.9 75.2 112.8

Instrument :

MSVOA_X

ClientSampleId :

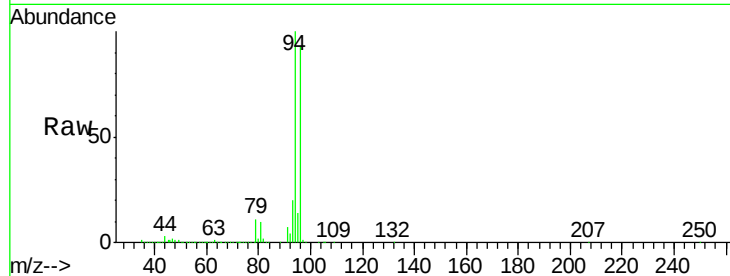
VSTDCCC050EC

Manual Integrations

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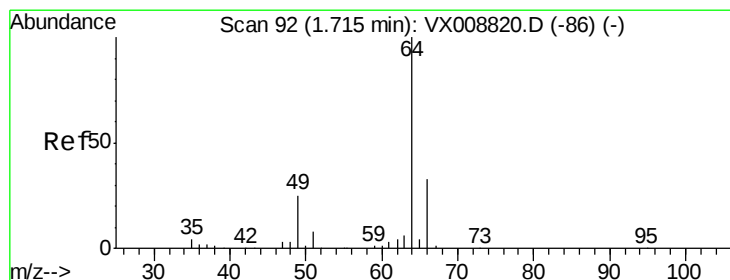
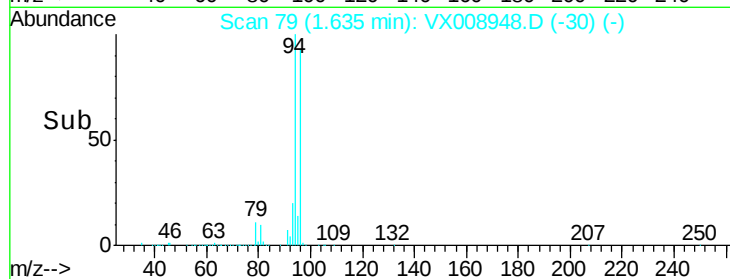
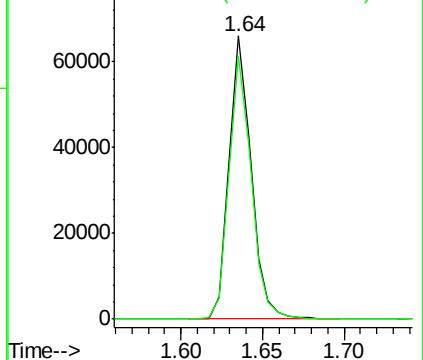
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 53.741 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008948.D

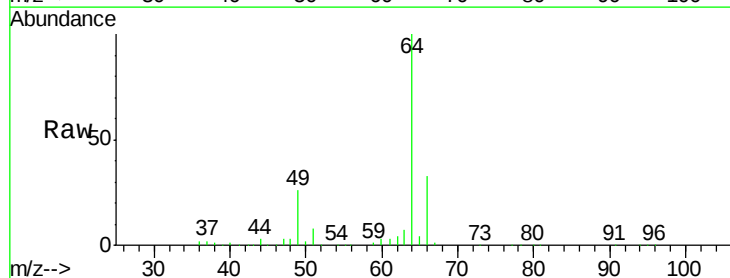
Acq: 13 Apr 2019 21:36

Tgt Ion: 64 Resp: 68348

Ion Ratio Lower Upper

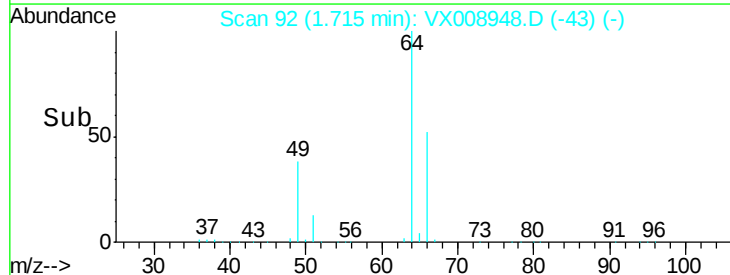
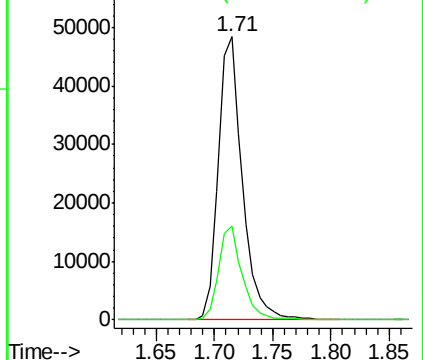
64 100

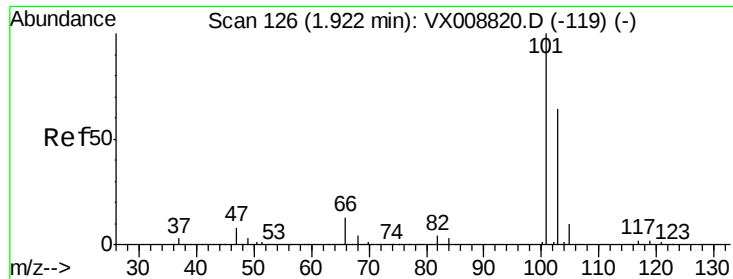
66 32.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

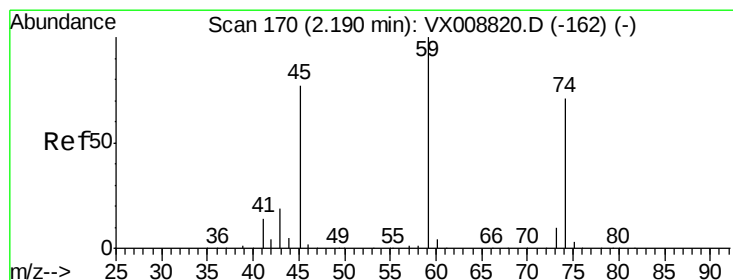
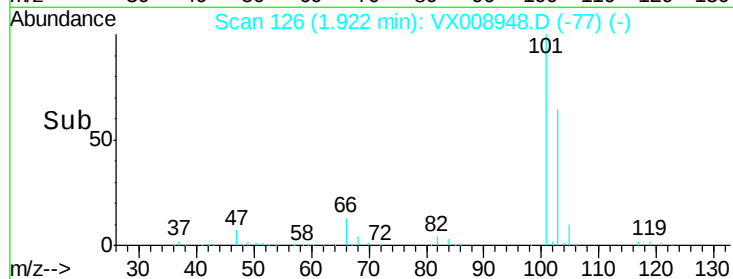
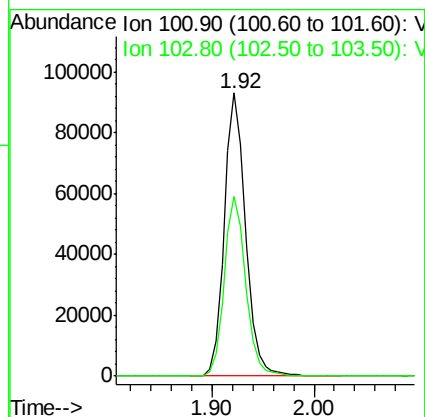
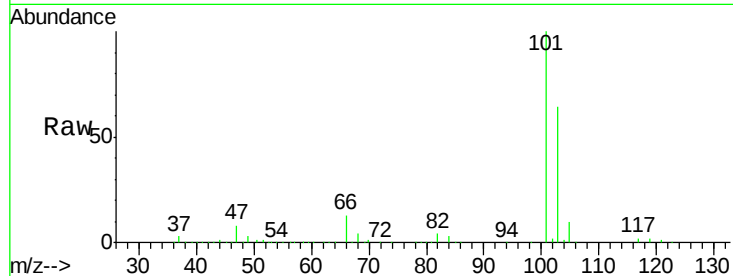
Trichlorofluoromethane
Concen: 52.201 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 134946
Ion Ratio Lower Upper
101 100
103 63.6 52.3 78.5

Manual Integrations
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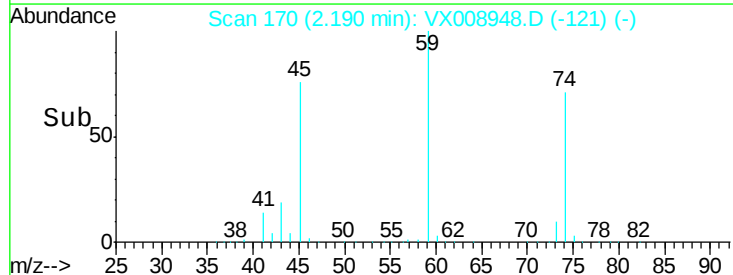
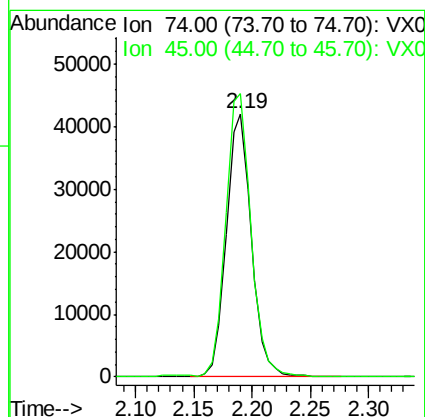
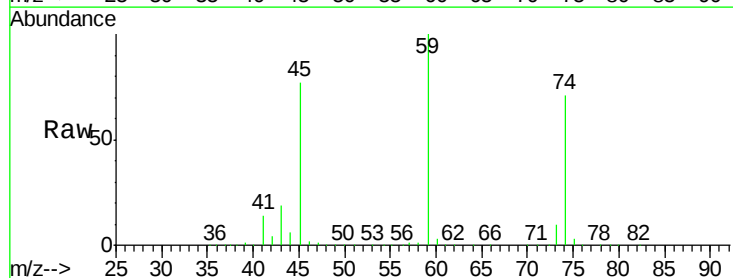
MMDadoda
4/15/2019 12:55:43 PM

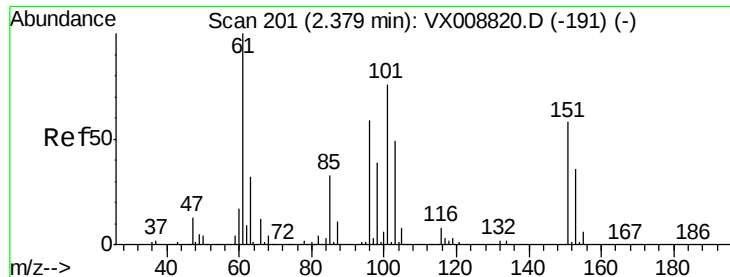


#8

Diethyl Ether
Concen: 51.081 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion: 74 Resp: 62622
Ion Ratio Lower Upper
74 100
45 107.2 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.748 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

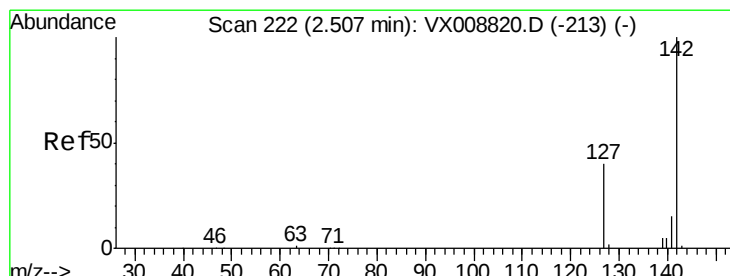
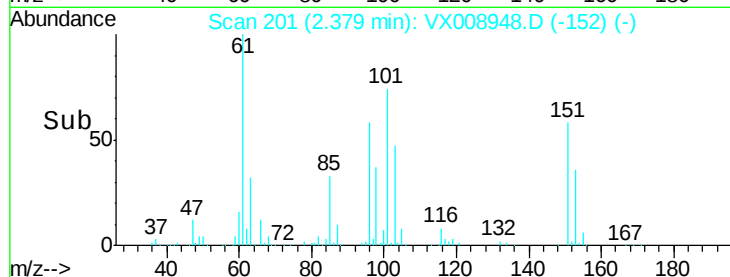
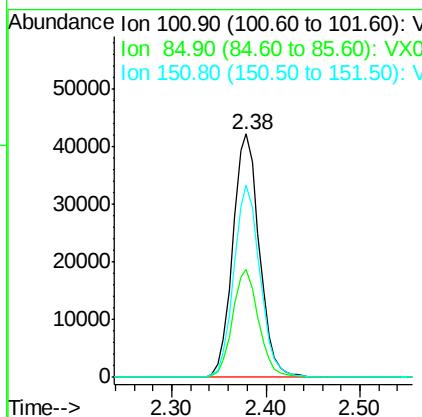
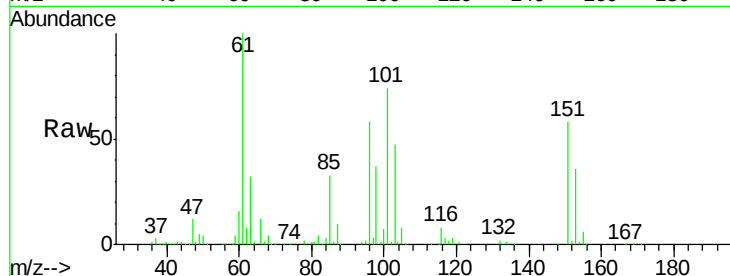
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	82800
Ion Ratio	Lower	Upper	
101	100		
85	43.6	36.0	54.0
151	77.8	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 61.069 ug/l

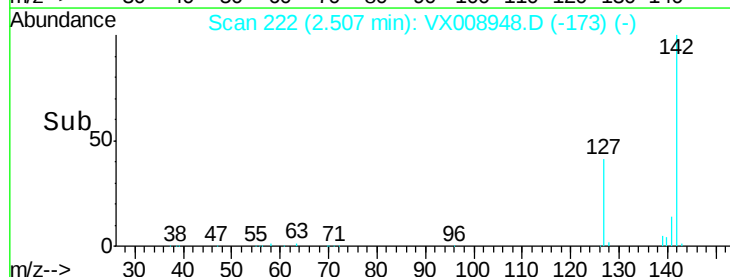
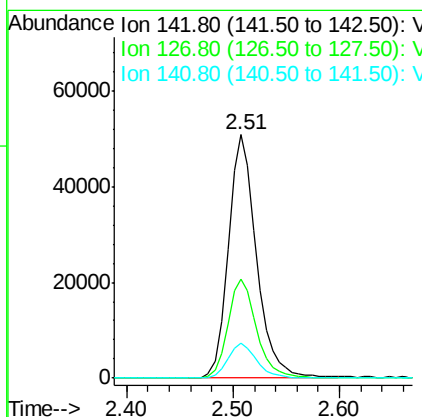
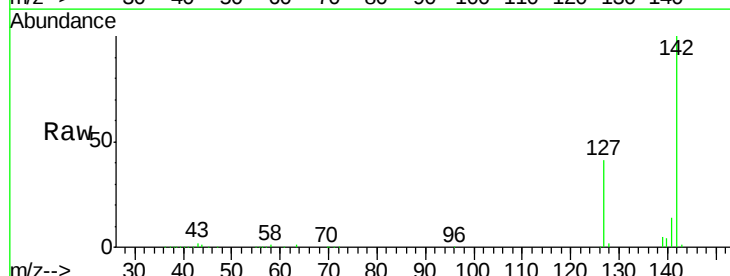
RT: 2.51 min Scan# 222

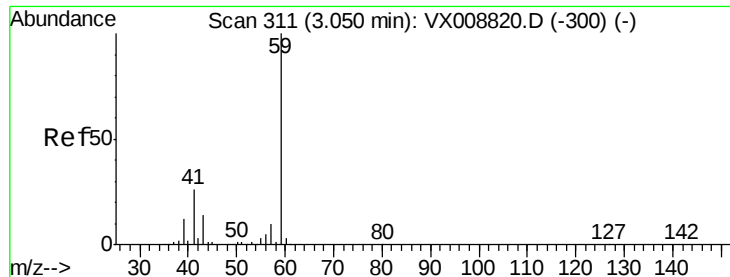
Delta R.T. 0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Tgt Ion:	142	Resp:	94031
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.0	49.6
141	14.7	11.4	17.2





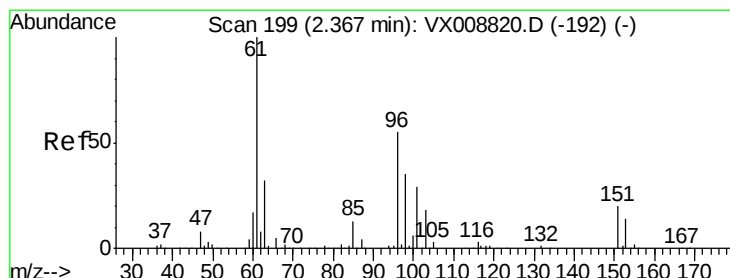
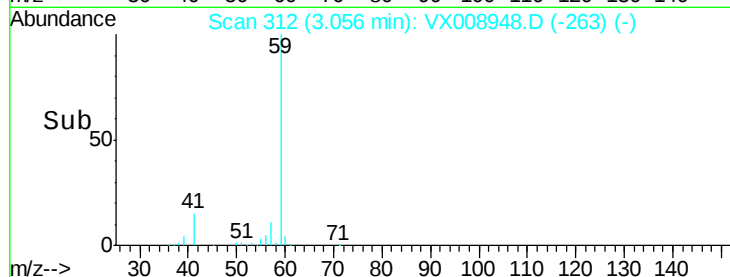
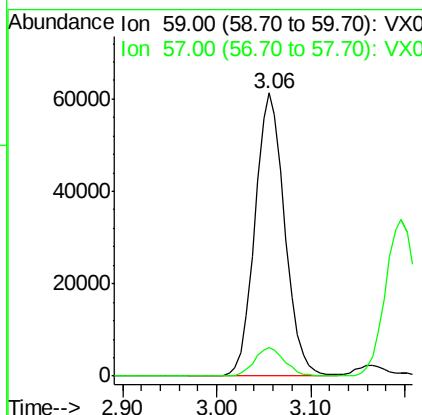
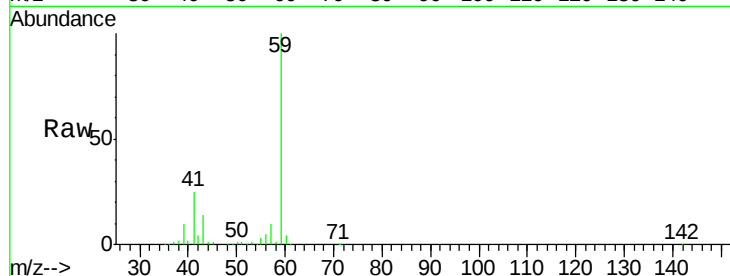
#11
Tert butyl alcohol
Concen: 265.862 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 136438
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

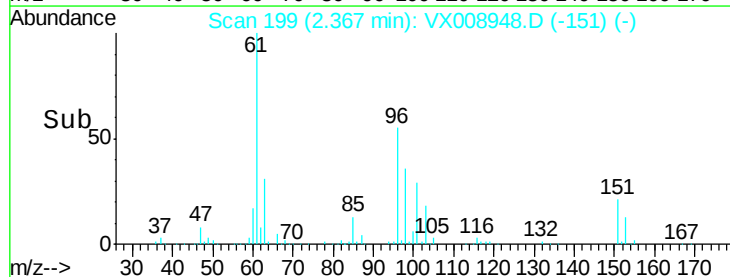
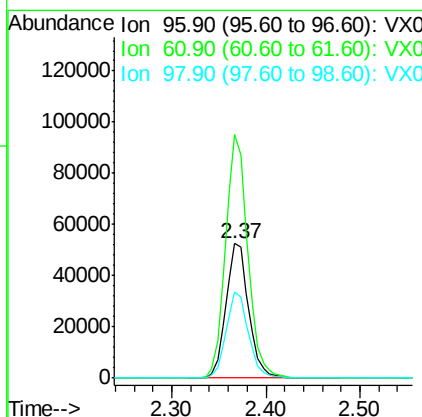
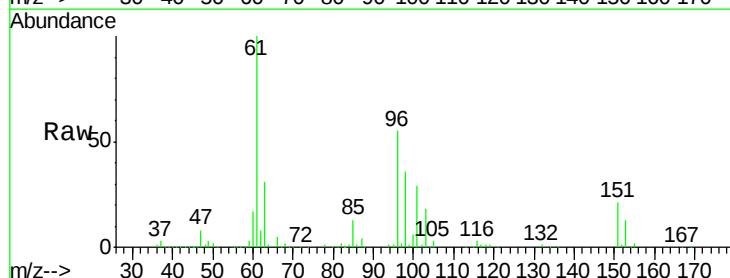
Manual Integrations
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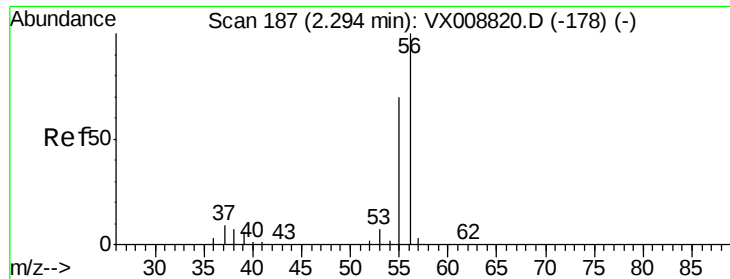
MMDadoda
4/15/2019 12:55:43 PM



#12
1,1-Dichloroethene
Concen: 50.281 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion: 96 Resp: 87363
Ion Ratio Lower Upper
96 100
61 180.7 140.9 211.3
98 64.4 52.1 78.1





#13

Acrolein

Concen: 305.898 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 77841

Ion Ratio Lower Upper

56 100

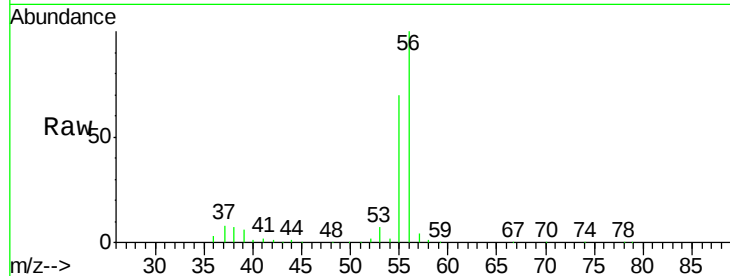
55 71.2 58.0 87.0

Manual Integrations

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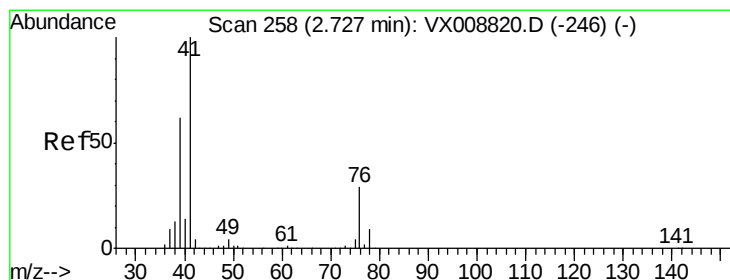
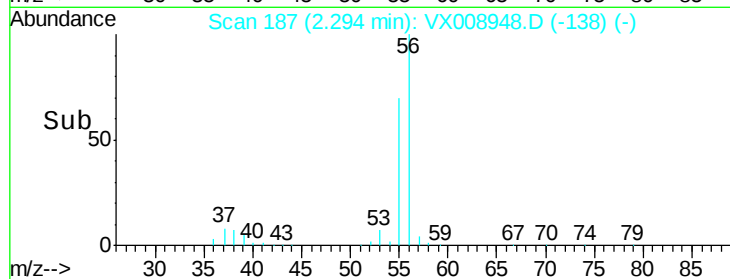
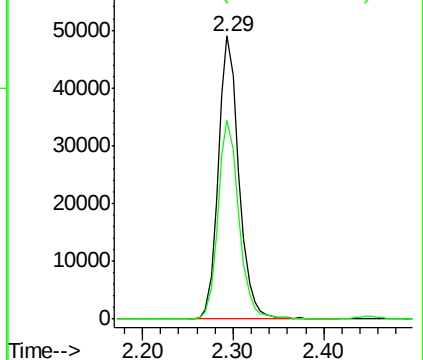
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.580 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

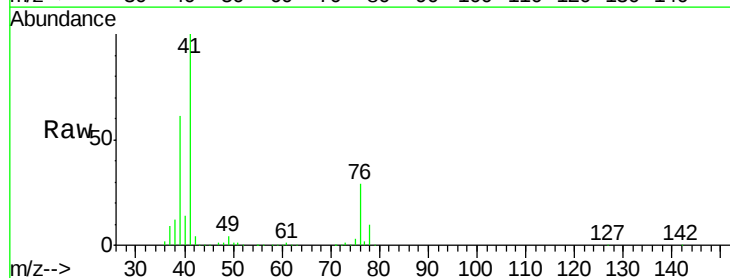
Tgt Ion: 41 Resp: 197208

Ion Ratio Lower Upper

41 100

39 58.6 48.0 72.0

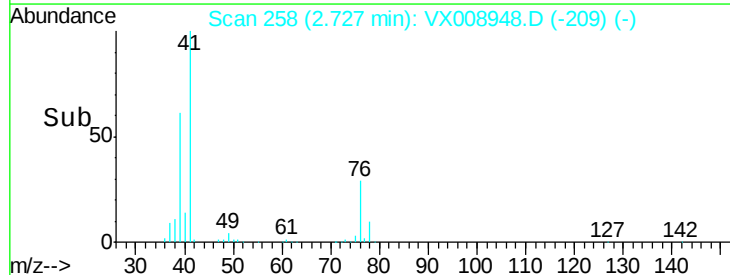
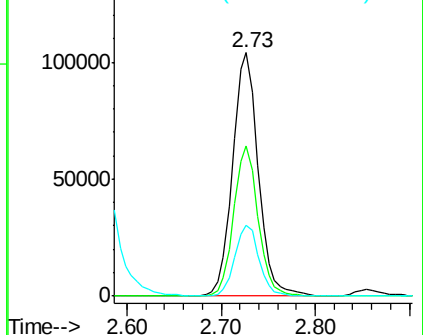
76 27.6 22.0 33.0

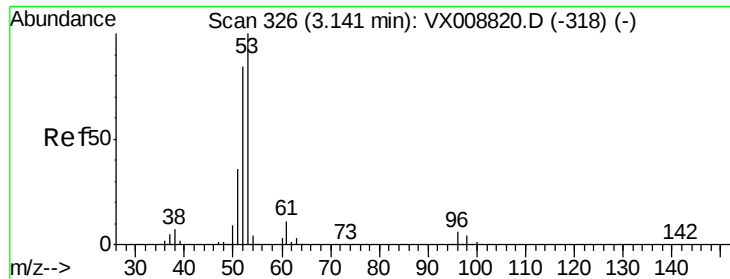


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 253.212 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

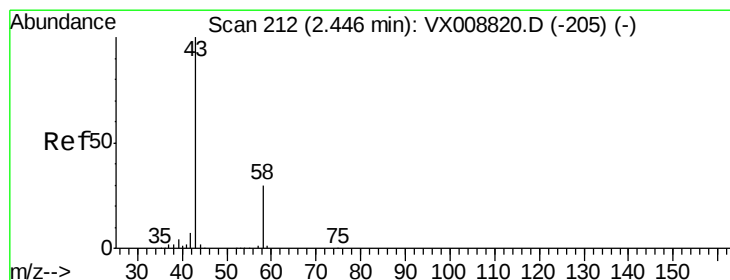
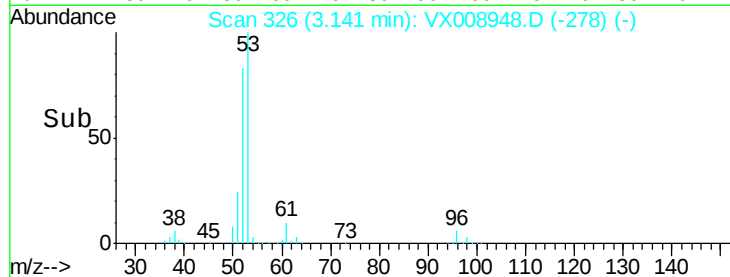
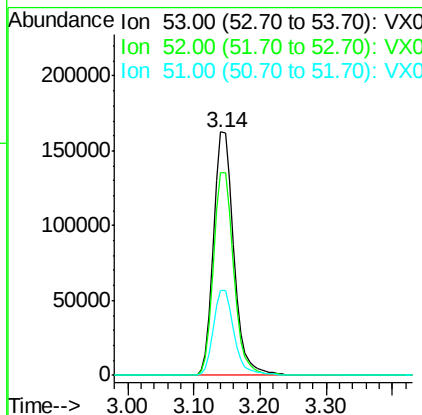
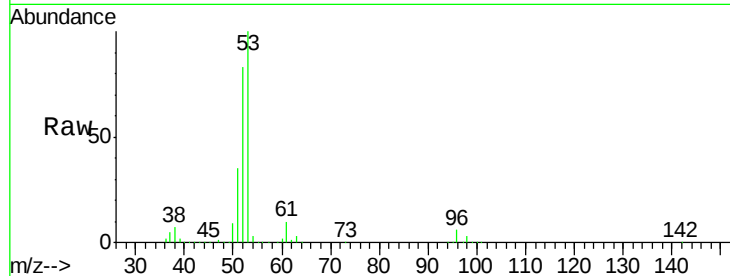
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	344249
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.5	99.7
51	35.5	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 234.870 ug/l

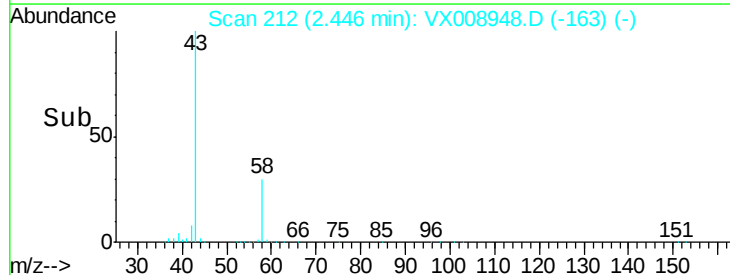
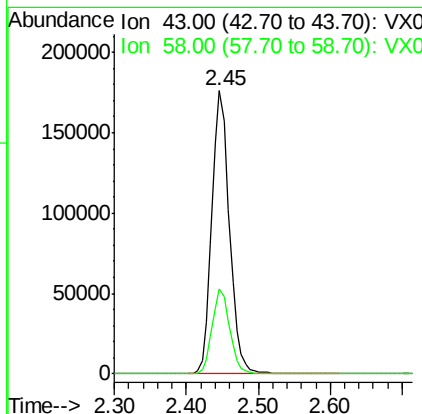
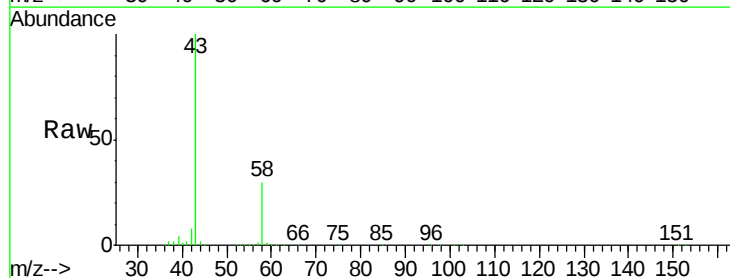
RT: 2.45 min Scan# 212

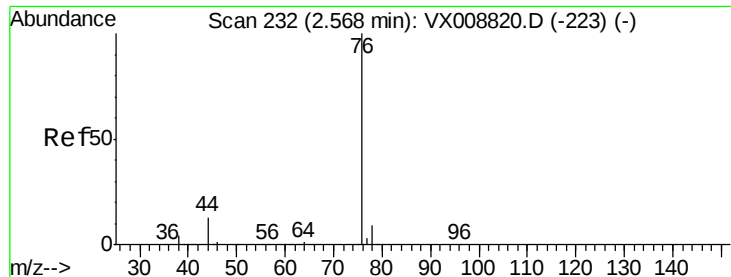
Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Tgt Ion:	43	Resp:	296539
Ion Ratio	Lower	Upper	
43	100		
58	29.9	24.8	37.2





#17

Carbon Disulfide

Concen: 49.503 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 248413

Ion Ratio Lower Upper

76 100

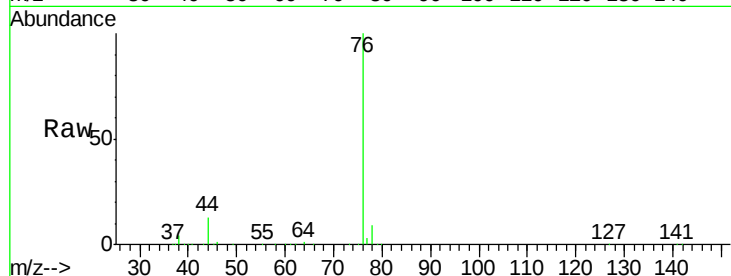
78 8.8 7.1 10.7

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

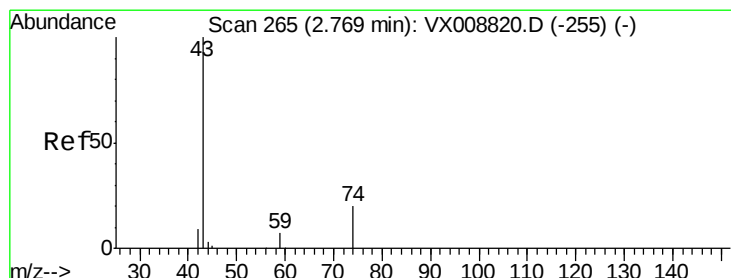
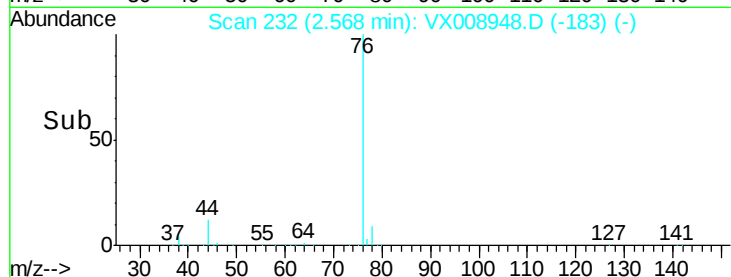
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.776 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008948.D

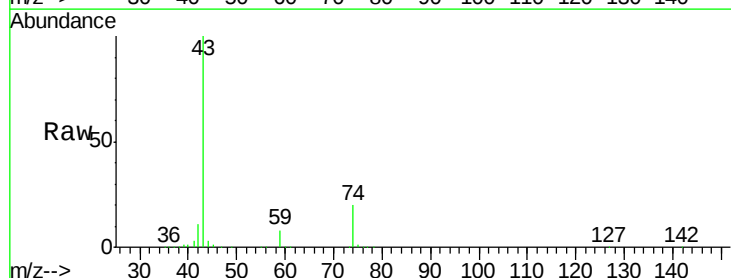
Acq: 13 Apr 2019 21:36

Tgt Ion: 43 Resp: 155482

Ion Ratio Lower Upper

43 100

74 20.6 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

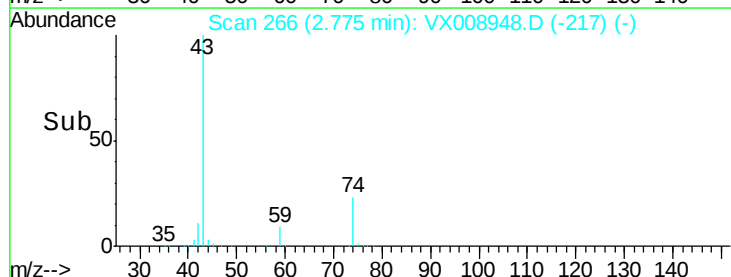
60000

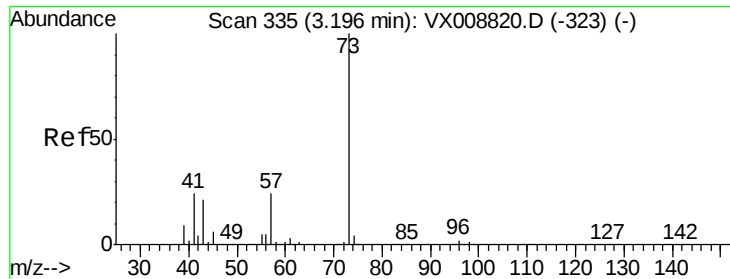
40000

20000

0

Time-->





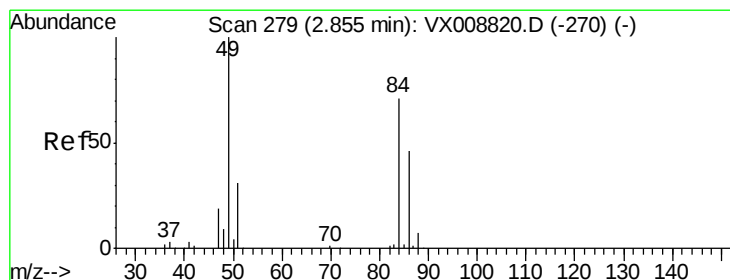
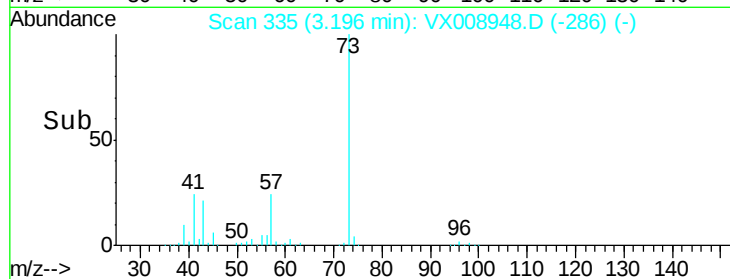
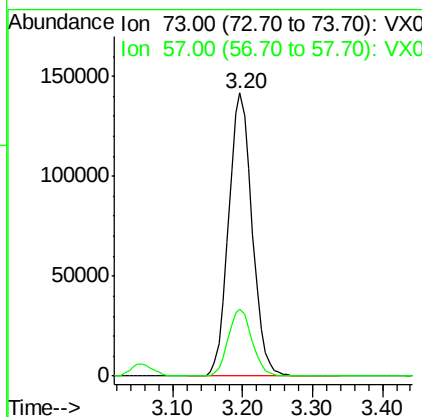
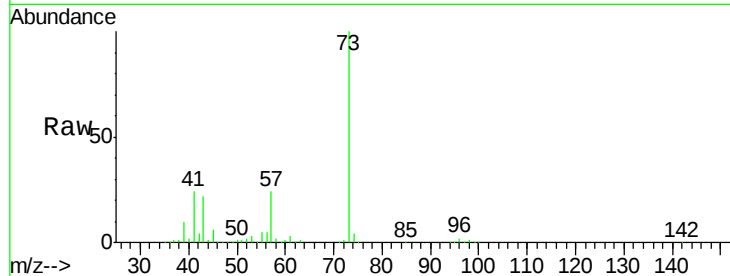
#19
Methyl tert-butyl Ether
Concen: 53.299 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.5	29.3

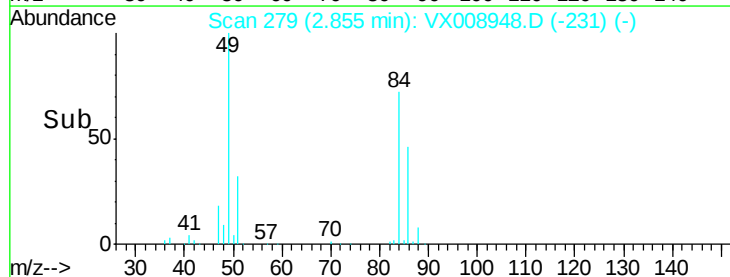
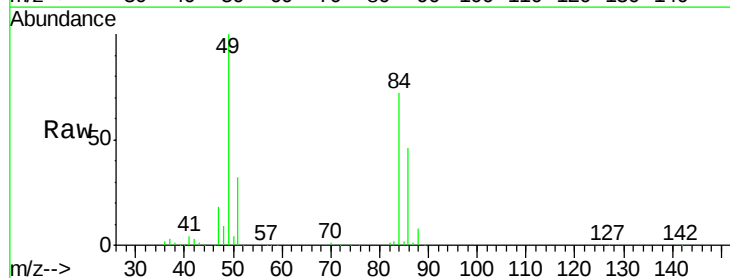
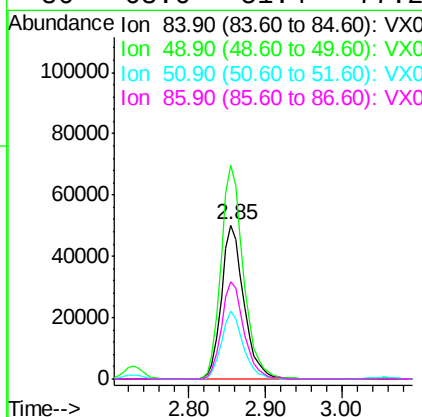
Manual Integrations
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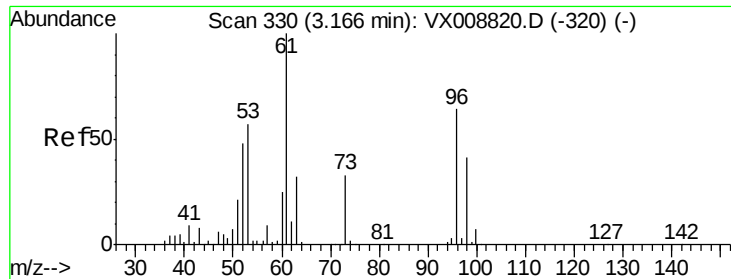
MMDadoda
4/15/2019 12:55:43 PM



#20
Methylene Chloride
Concen: 47.955 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.8	109.7	164.5
51	44.0	33.6	50.4
86	63.6	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 48.885 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 91873

Ion Ratio Lower Upper

96 100

61 154.2 132.1 198.1

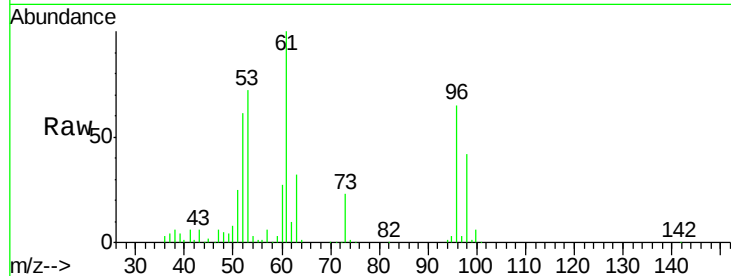
98 65.0 52.2 78.2

Manual Integrations

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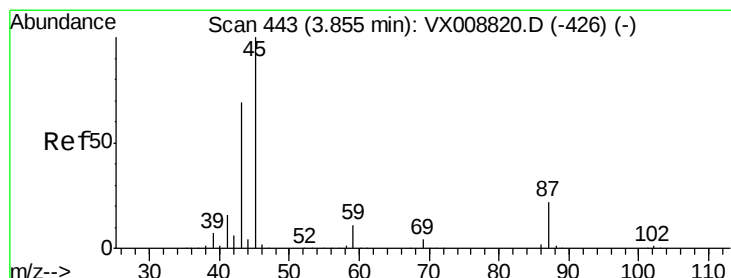
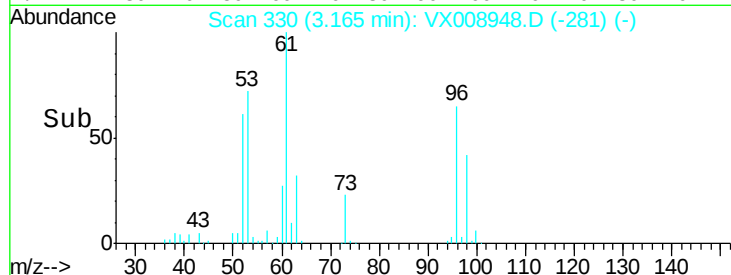
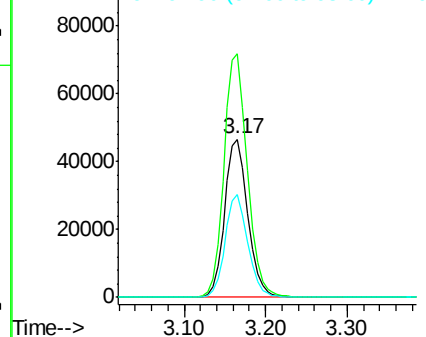


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.053 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Tgt Ion: 45 Resp: 391388

Ion Ratio Lower Upper

45 100

43 75.0 51.3 76.9

87 22.2 18.1 27.1

59 10.3 8.6 13.0

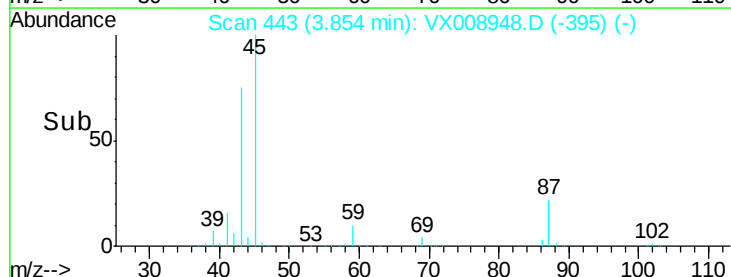
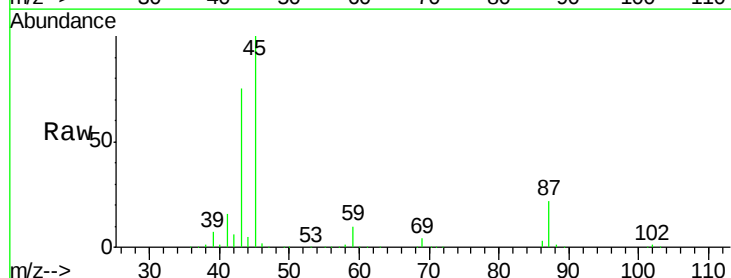
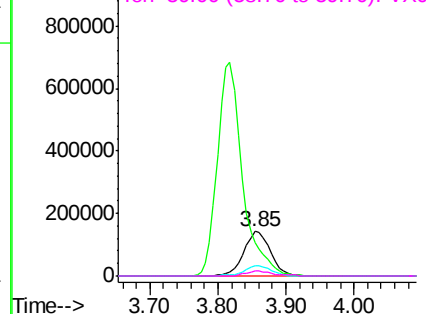
Abundance

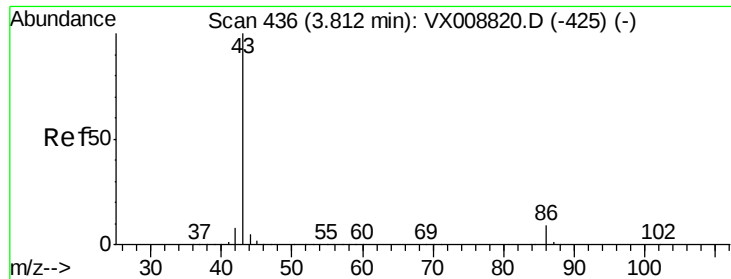
Ion 45.00 (44.70 to 45.70): VX0

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: 264.296 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1762648

Ion Ratio Lower Upper

43 100

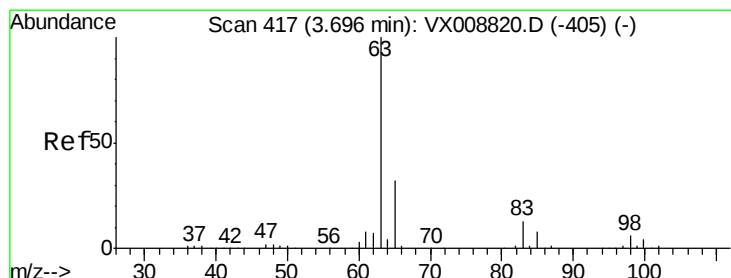
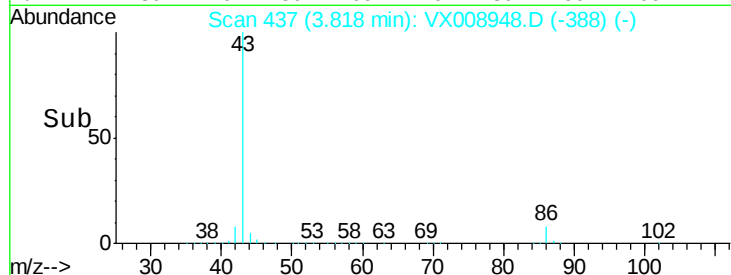
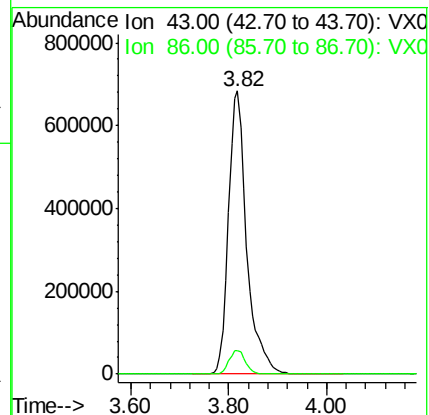
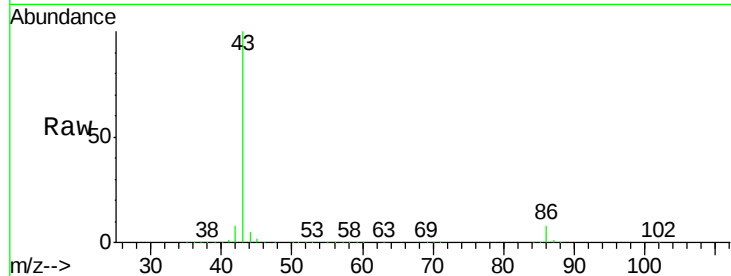
86 8.4 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.947 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

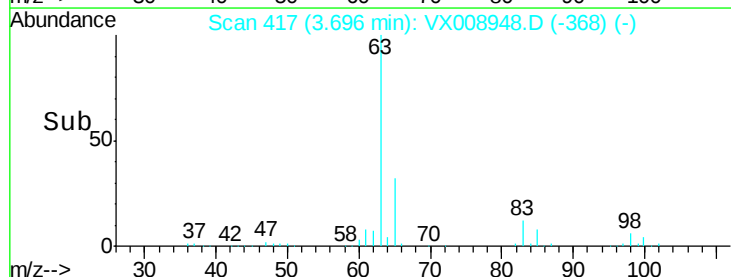
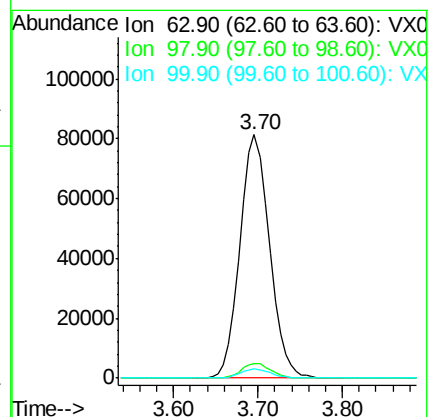
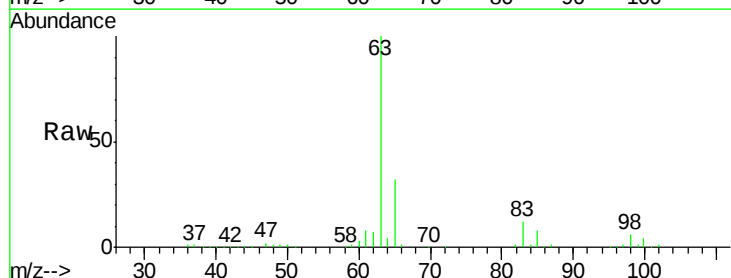
Tgt Ion: 63 Resp: 193377

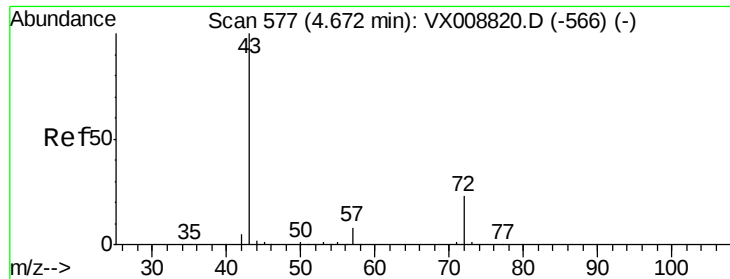
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 255.796 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 510447

Ion Ratio Lower Upper

43 100

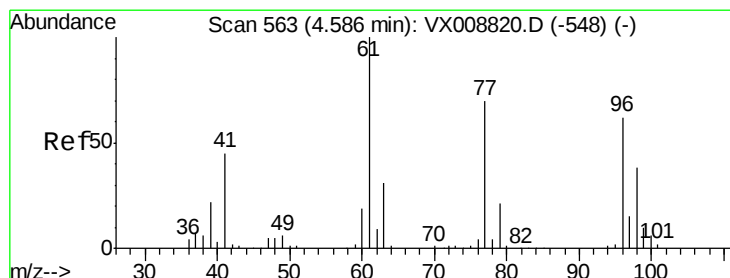
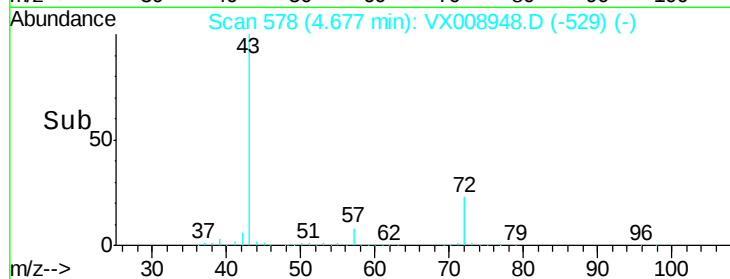
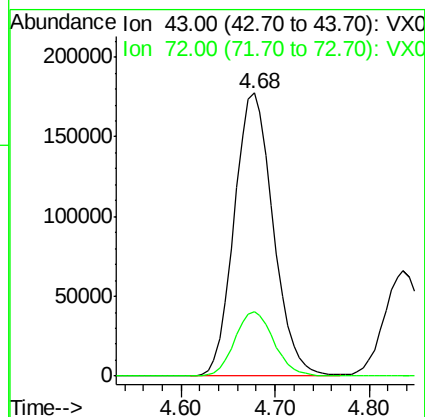
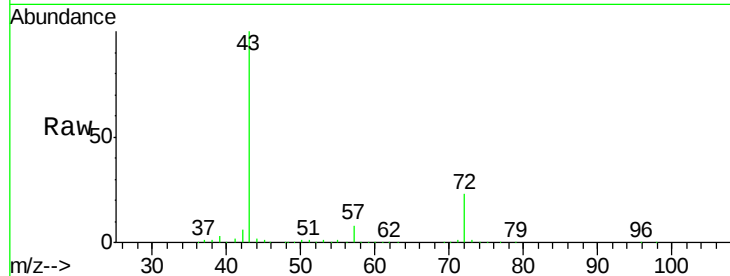
72 22.8 18.2 27.4

Manual Integrations

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MMDadoda

4/15/2019 12:55:43 PM



#26

2,2-Dichloropropane

Concen: 43.748 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008948.D

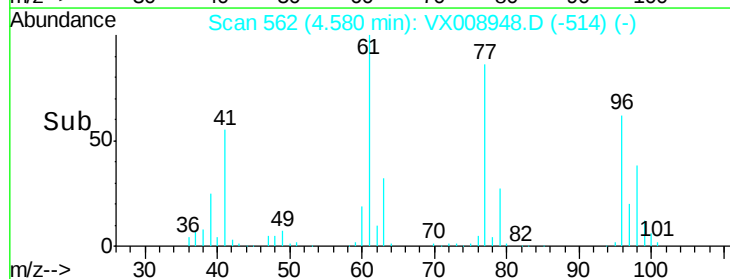
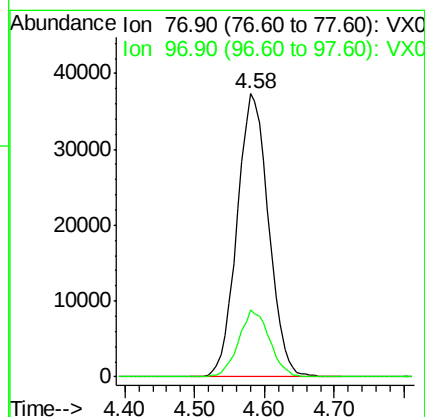
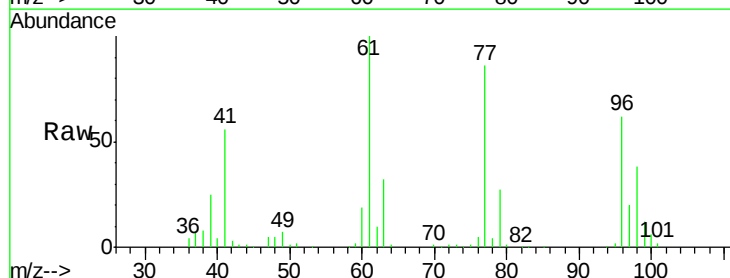
Acq: 13 Apr 2019 21:36

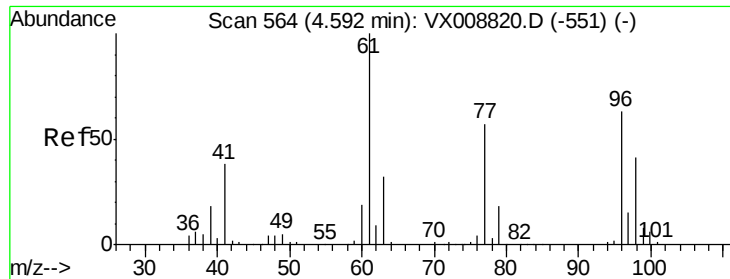
Tgt Ion: 77 Resp: 116954

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.5





#27

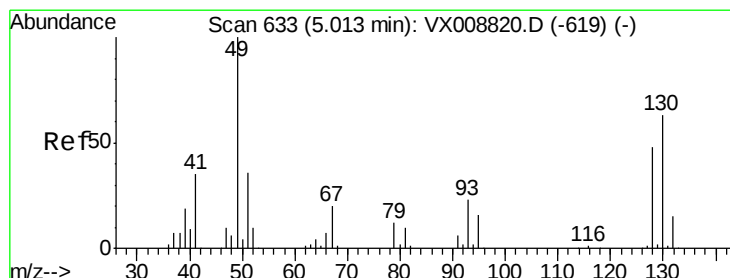
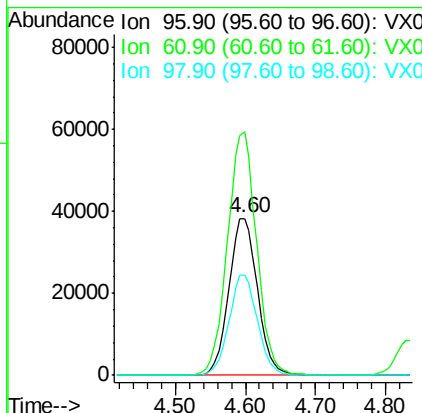
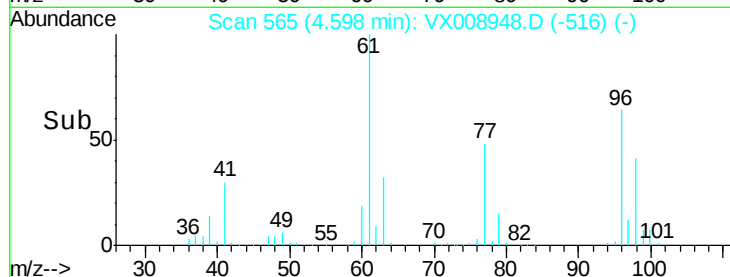
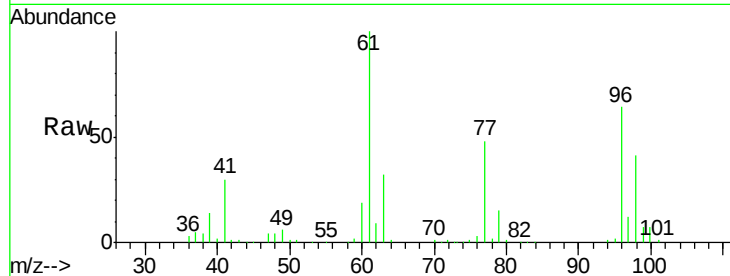
cis-1,2-Dichloroethene
Concen: 50.447 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	109003		
61	157.7		0.0	327.6
98	63.4		0.0	128.6

Manual Integrations
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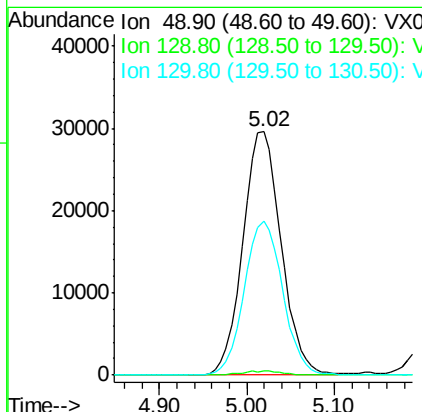
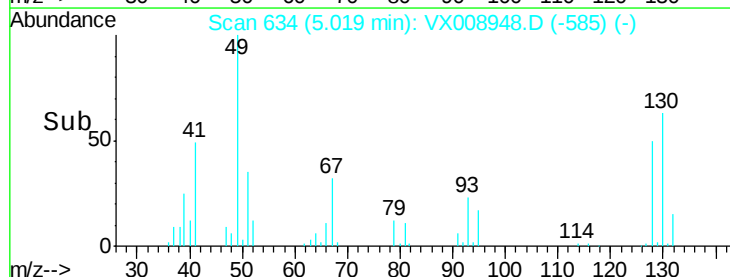
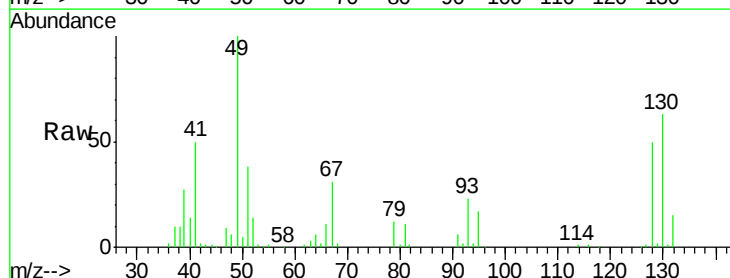
MMDadoda
4/15/2019 12:55:43 PM

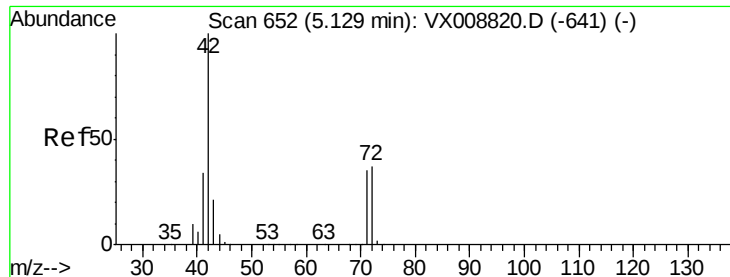


#28

Bromochloromethane
Concen: 57.183 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89977		
129	0.8		0.0	3.6
130	63.5		49.3	73.9





#29

Tetrahydrofuran

Concen: 257.927 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

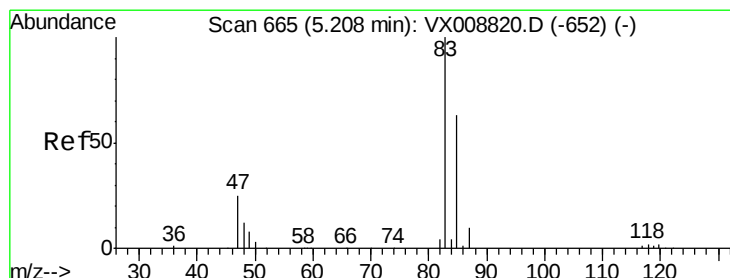
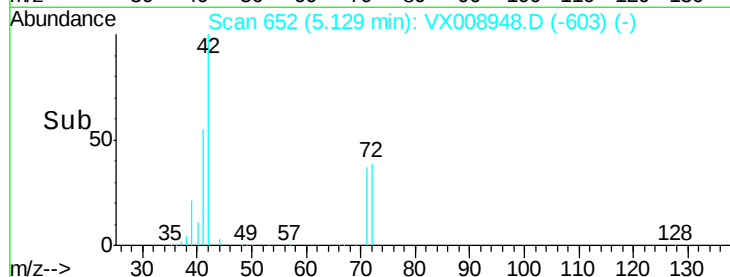
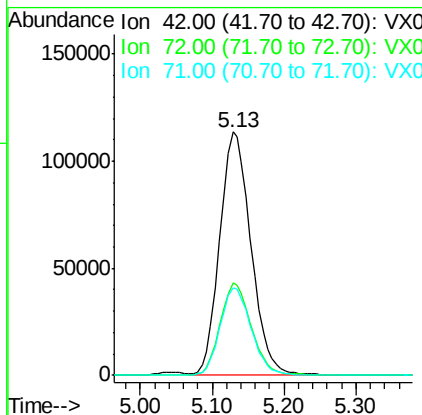
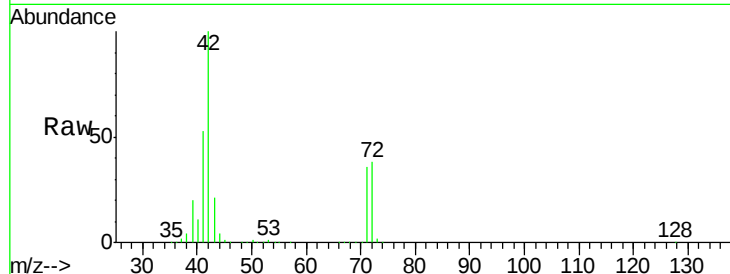
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	341618
Ion Ratio		Lower	Upper
42	100		
72	38.0	30.5	45.7
71	36.0	28.6	43.0

Manual Integrations
APPROVED

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#30

Chloroform

Concen: 51.737 ug/l

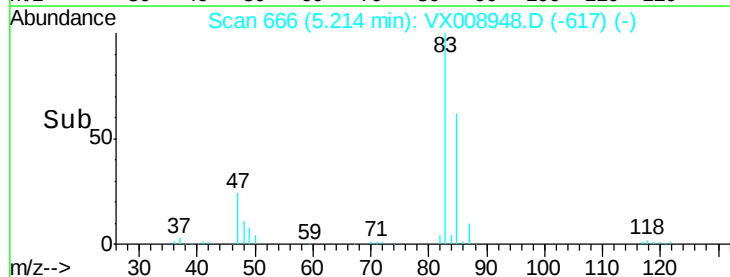
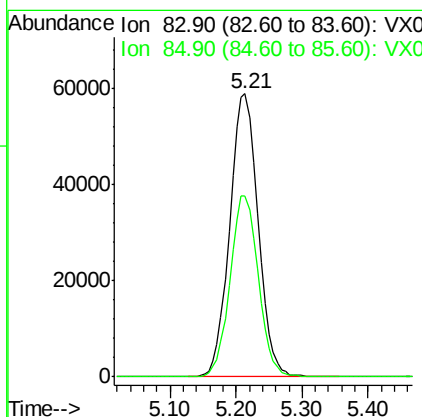
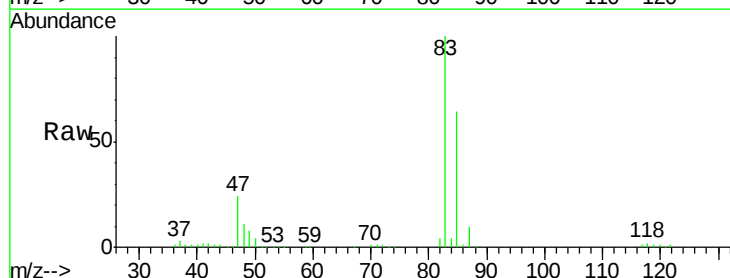
RT: 5.21 min Scan# 666

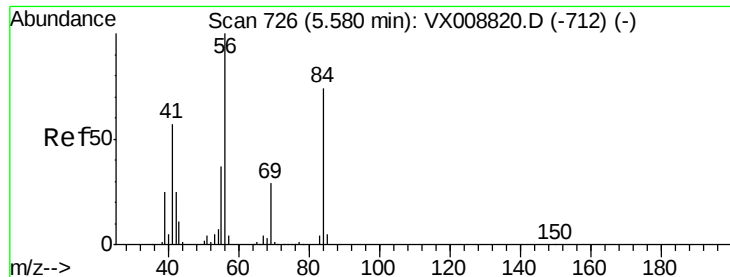
Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Tgt Ion:	83	Resp:	175398
Ion Ratio		Lower	Upper
83	100		
85	63.9	52.1	78.1





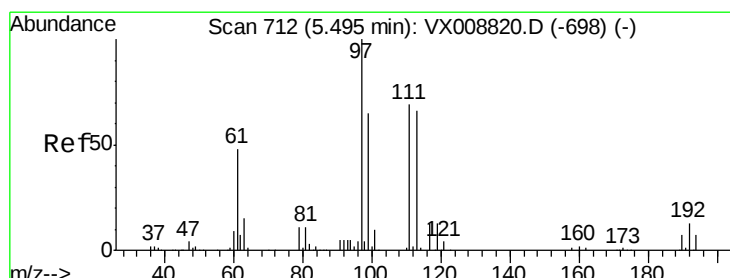
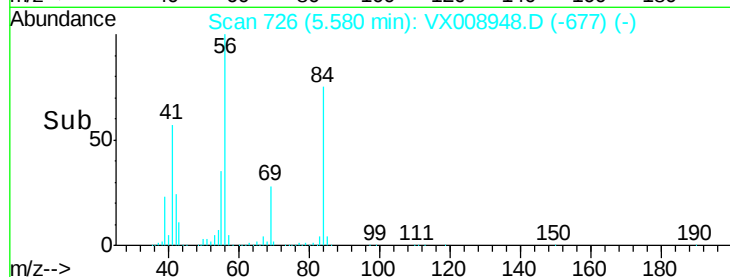
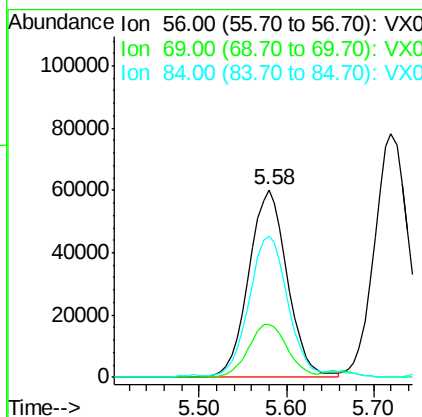
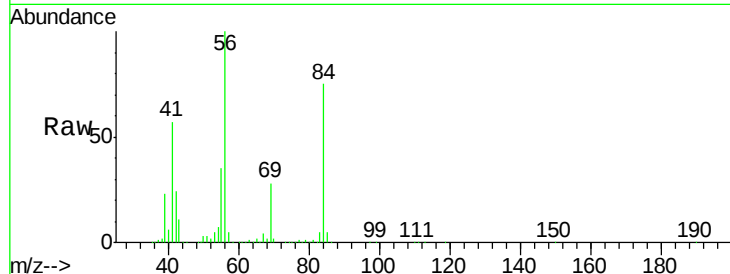
#31
Cyclohexane
Concen: 48.790 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	22.6	33.8
84	73.9	59.3	88.9

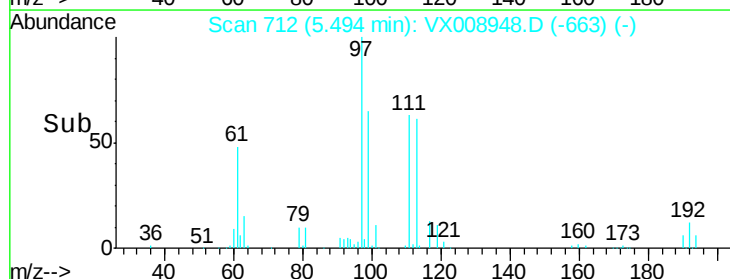
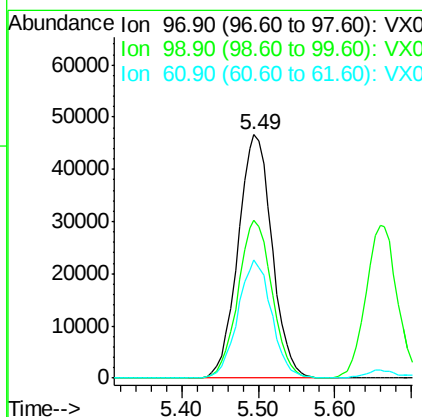
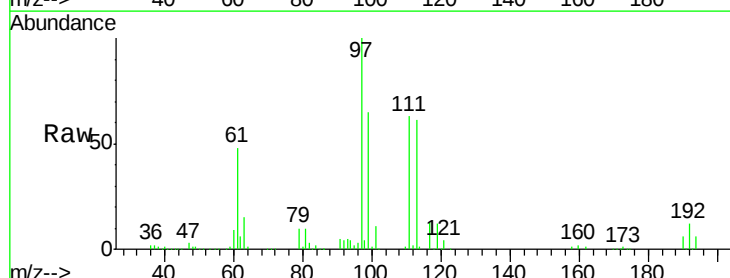
Manual Integrations
APPROVED

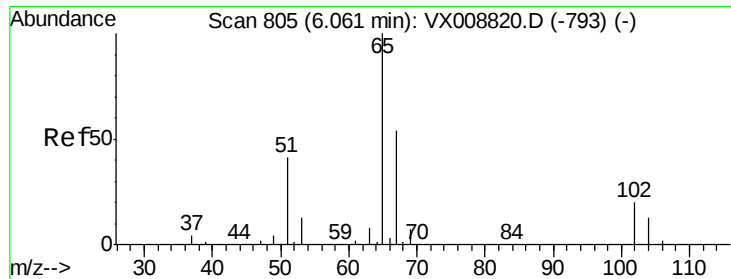
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#32
1,1,1-Trichloroethane
Concen: 52.572 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	48.0	38.9	58.3





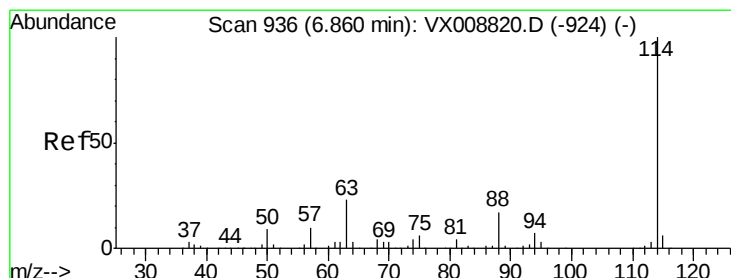
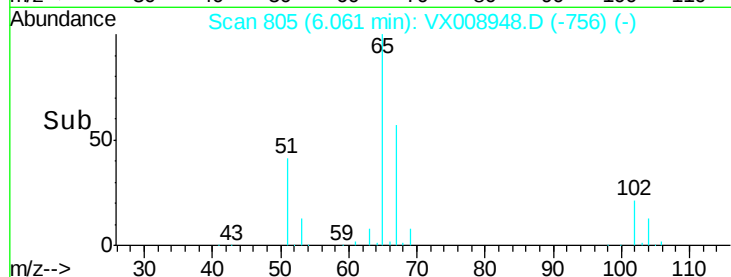
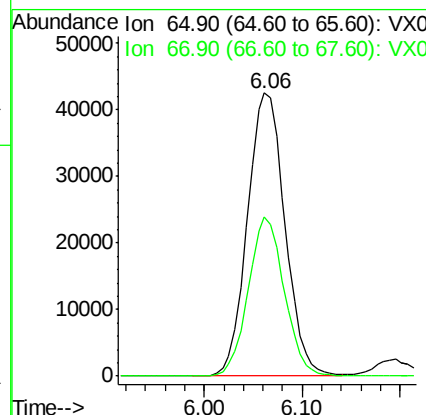
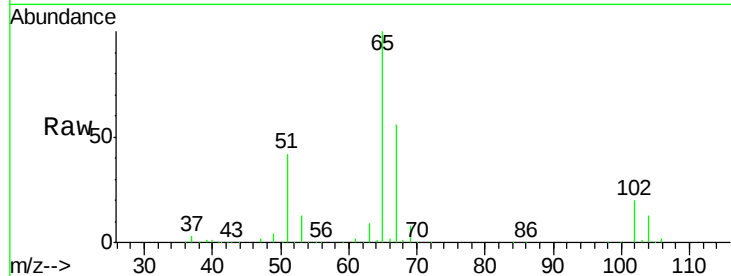
#33
 1,2-Dichloroethane-d4
 Concen: 51.599 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	107.2

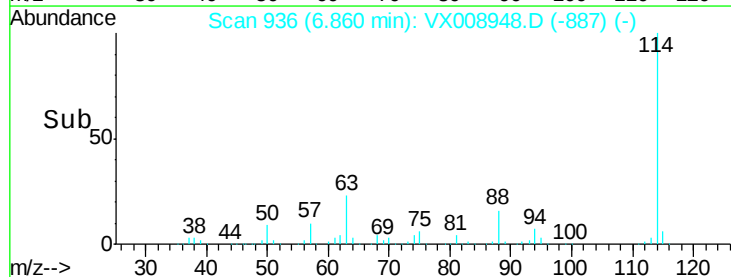
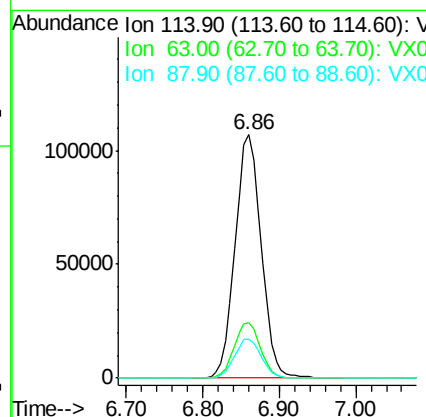
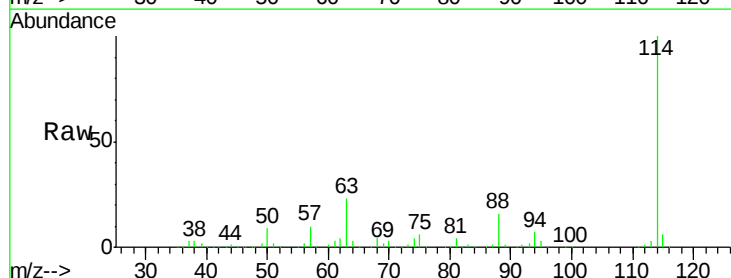
Manual Integrations
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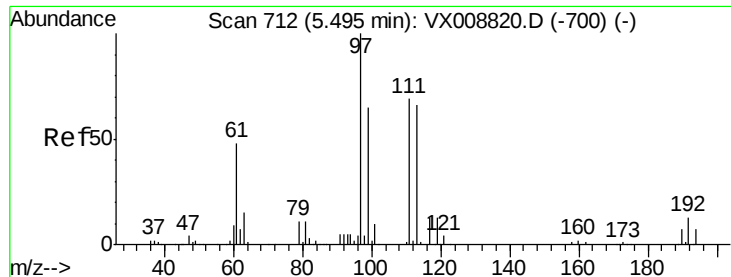
MMDadoda
 4/15/2019 12:55:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	47.2
88	15.7	0.0	34.0





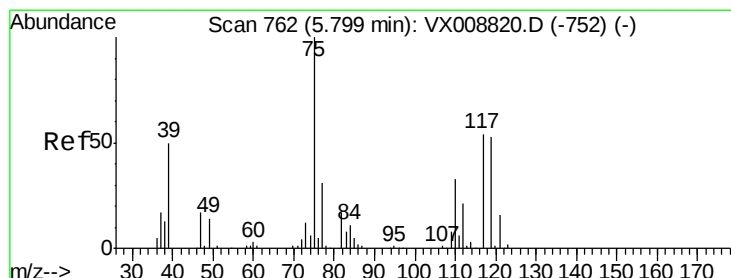
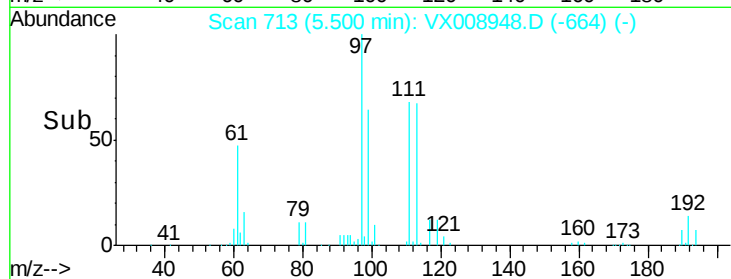
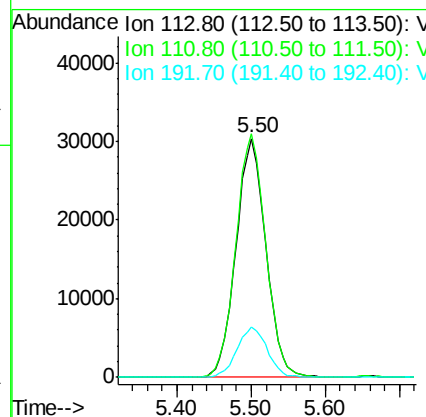
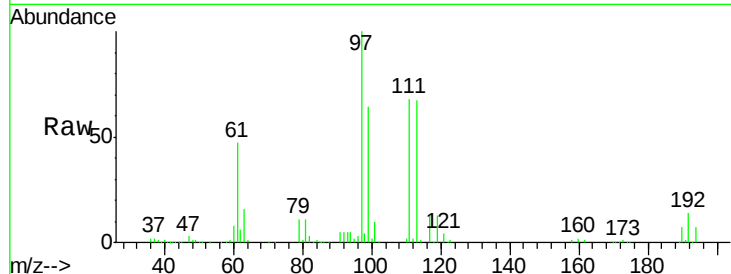
#35
 Dibromofluoromethane
 Concen: 52.957 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85623		
111	102.2	83.4	125.2	
192	21.3	16.1	24.1	

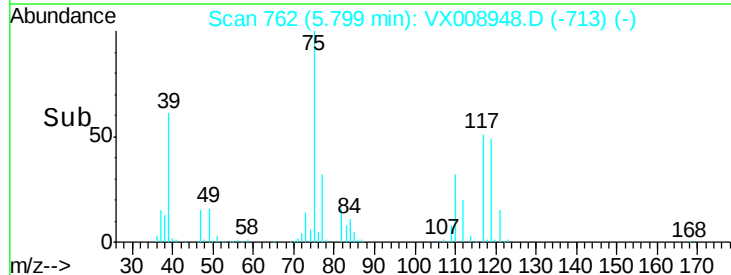
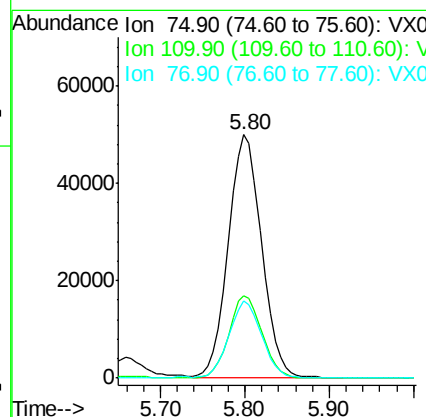
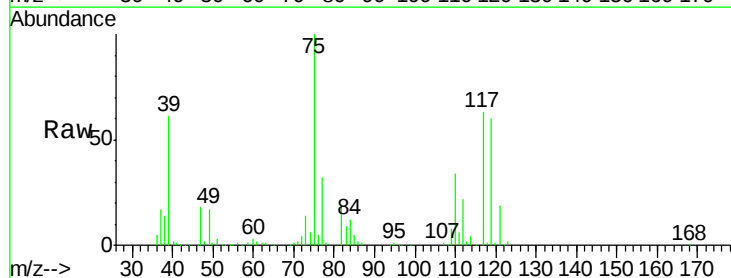
Manual Integrations
 APPROVED

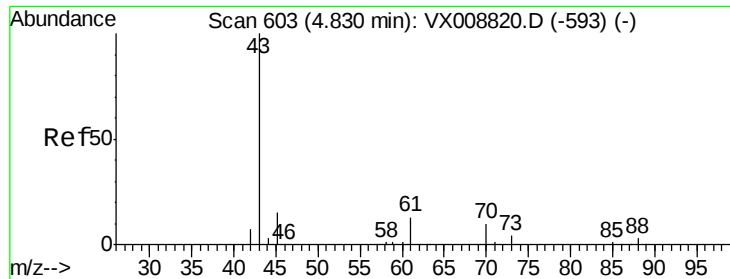
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#36
 1,1-Dichloropropene
 Concen: 48.672 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134541		
110	33.8	16.4	49.2	
77	31.3	24.7	37.1	





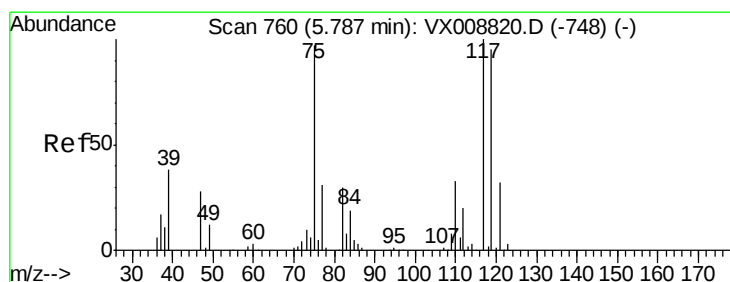
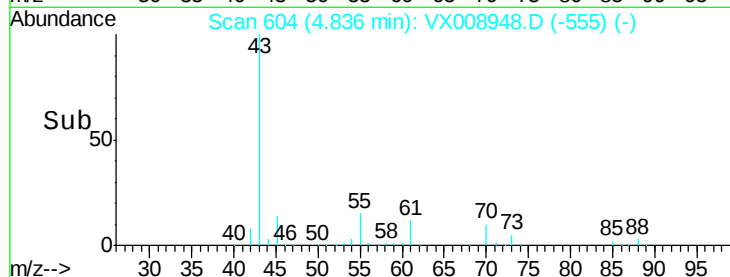
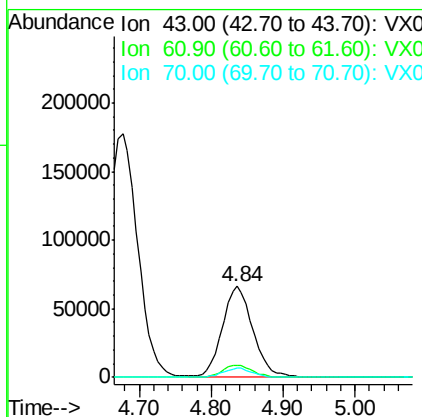
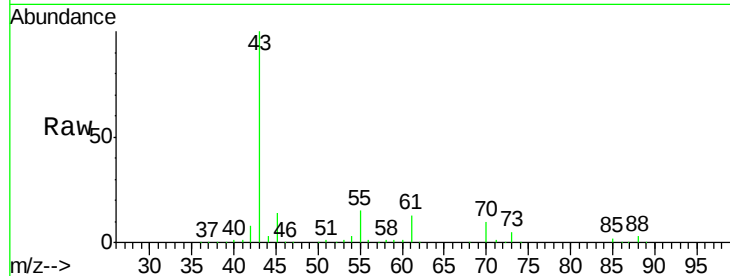
#37
Ethyl Acetate
Concen: 52.472 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	9.7	7.6	11.4

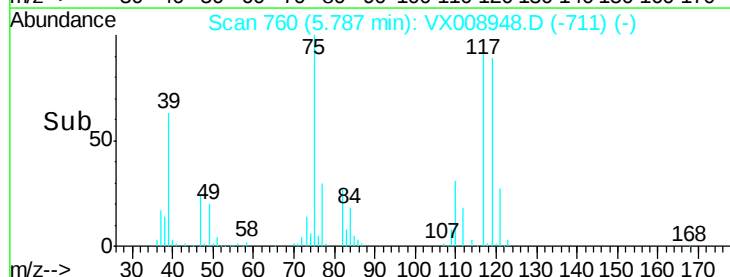
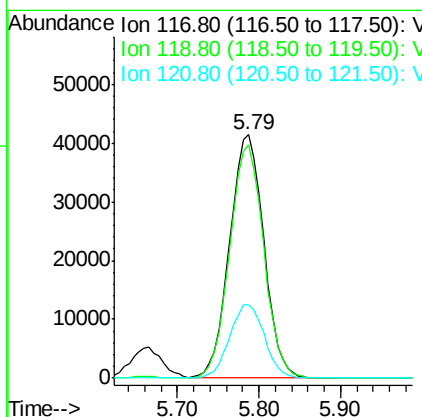
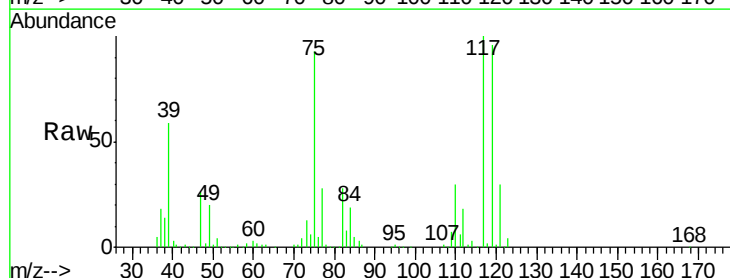
Manual Integrations
APPROVED

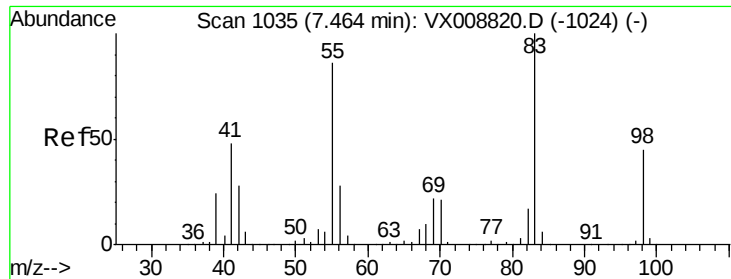
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#38
Carbon Tetrachloride
Concen: 52.505 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.0	112.6
121	30.3	24.3	36.5





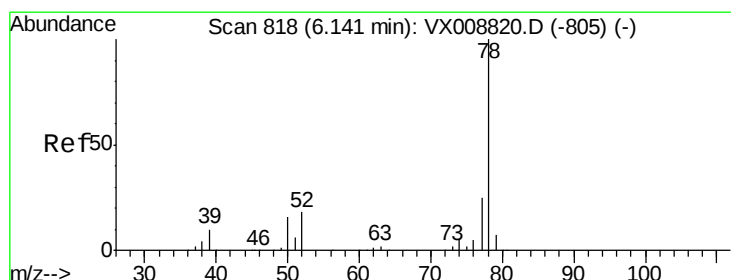
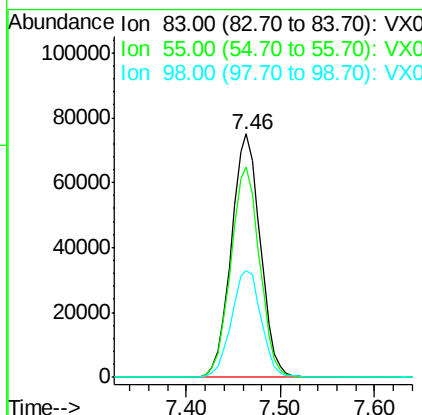
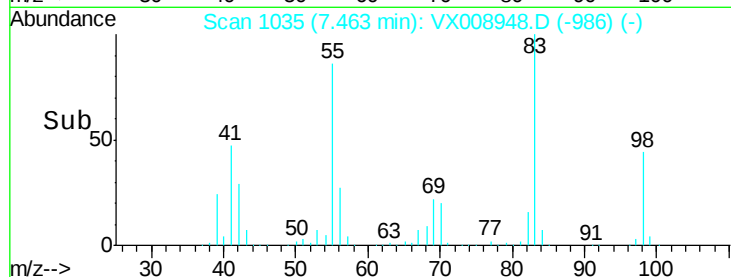
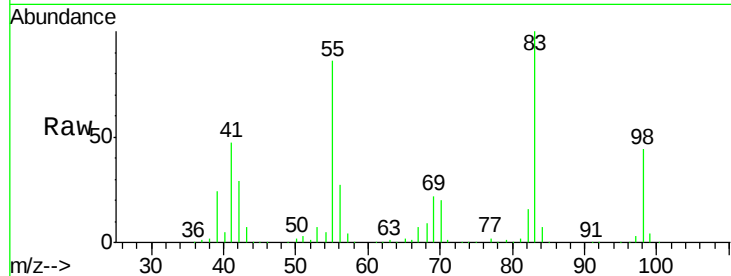
#39
Methvlcvclohexane
Concen: 47.074 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.3	69.0	103.6
98	44.0	34.4	51.6

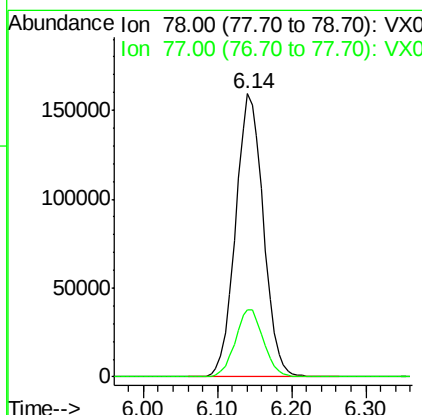
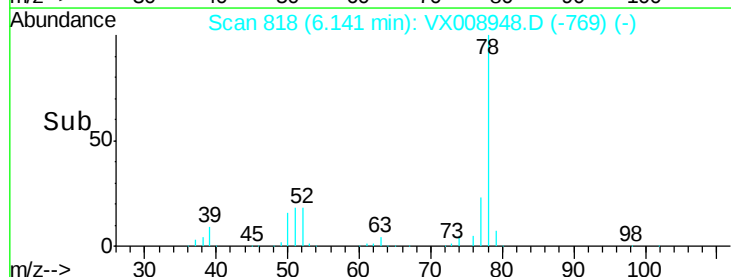
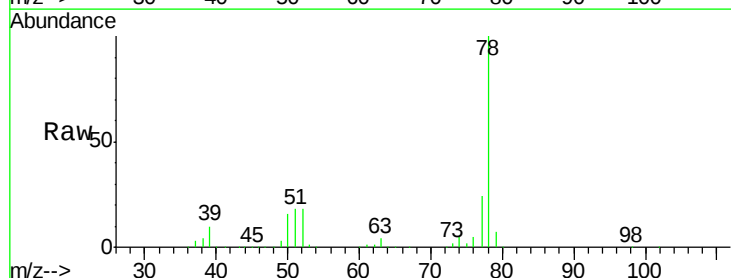
Manual Integrations
APPROVED

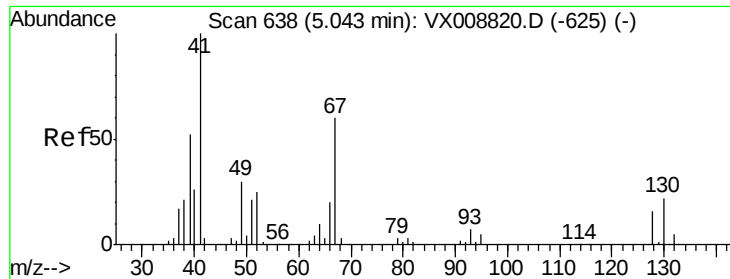
MMDadoda
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#40
Benzene
Concen: 50.638 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





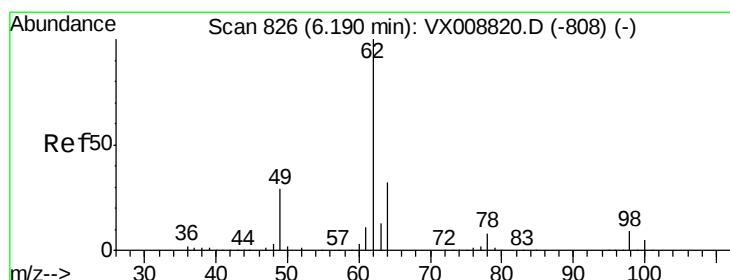
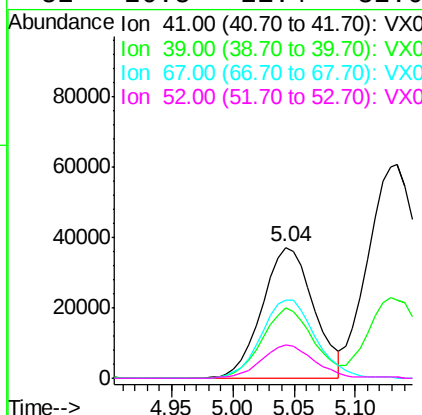
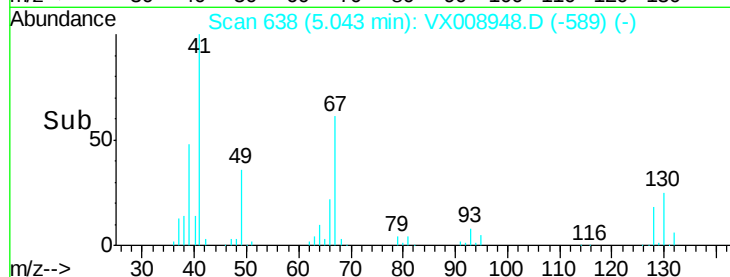
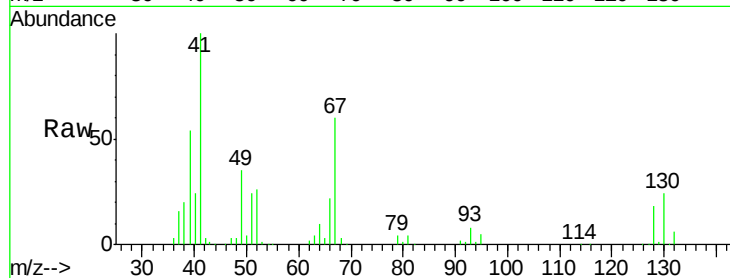
#41
Methacrylonitrile
Concen: 51.606 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.1	63.1	
67	63.0	51.0	76.6	
52	26.8	21.4	32.0	

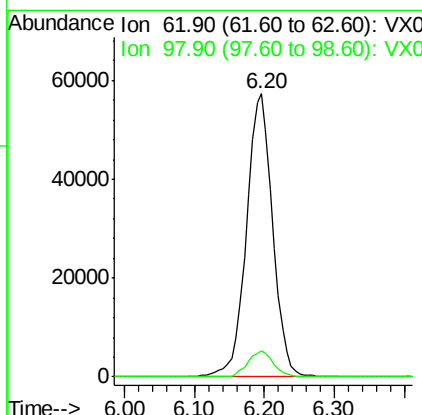
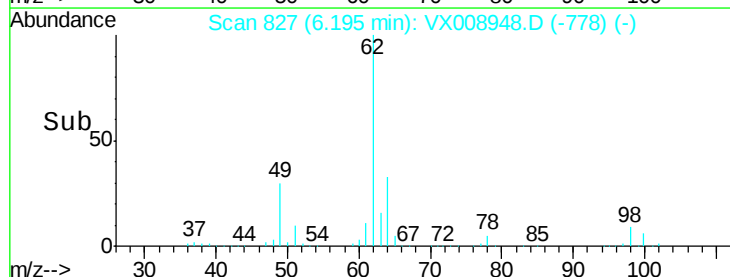
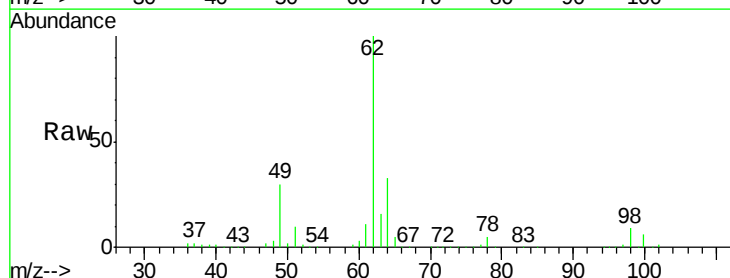
Manual Integrations
APPROVED

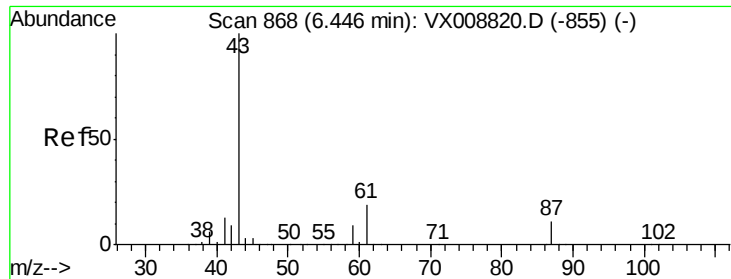
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.392 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.0	





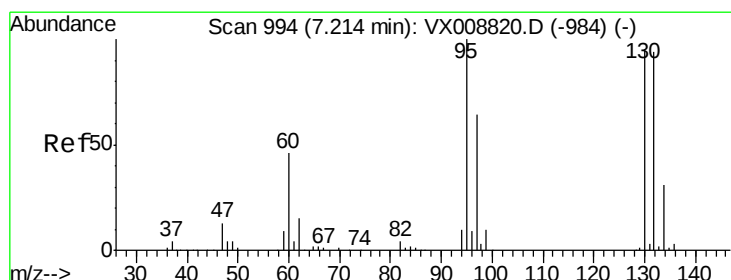
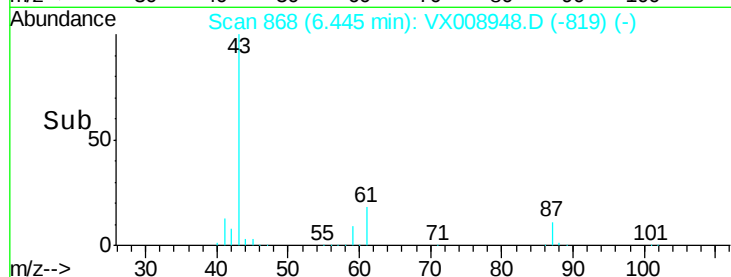
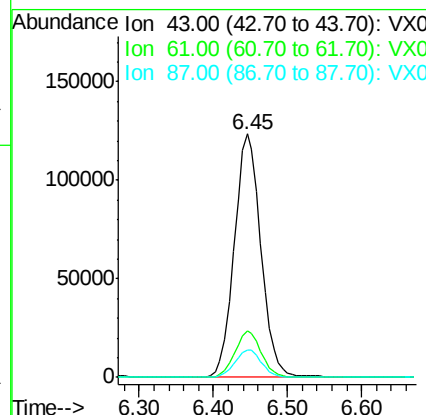
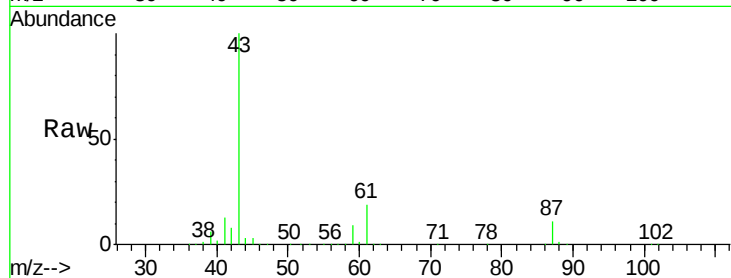
#43
Isopropyl Acetate
Concen: 53.133 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.3	22.9
87	11.3	9.0	13.6

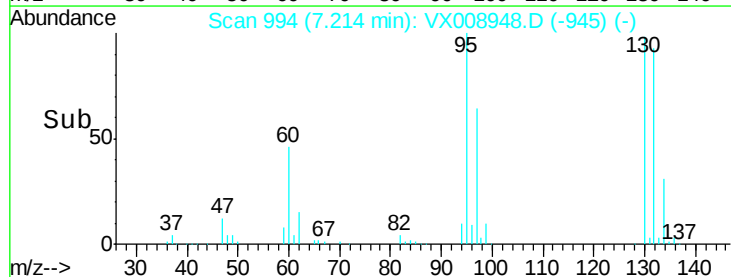
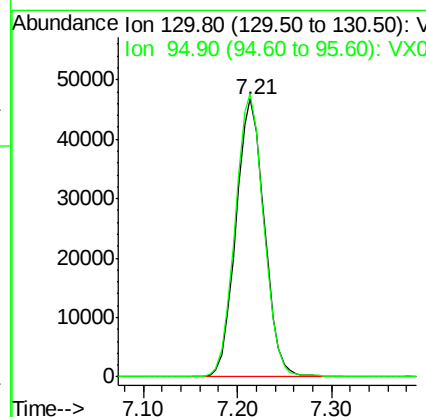
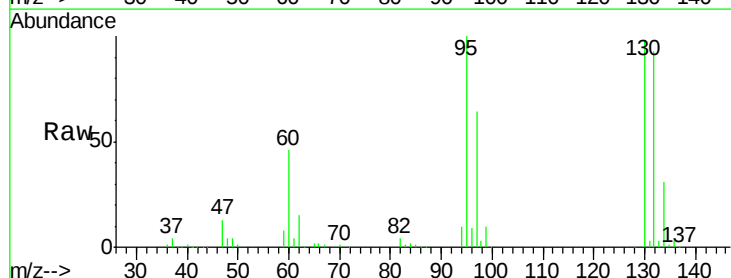
Manual Integrations
APPROVED

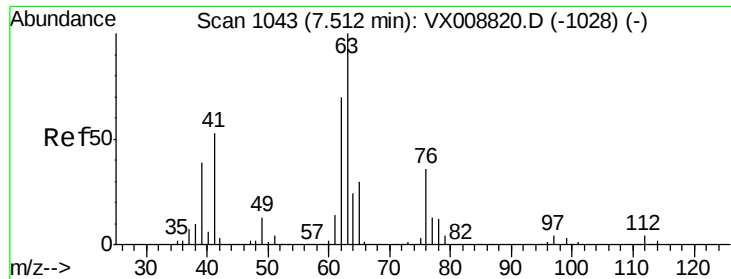
MMDadoda
4/15/2019 12:55:43 PM



#44
Trichloroethene
Concen: 51.165 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	209.8





#45

1,2-Dichloropropane

Concen: 49.962 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 117435

Ion Ratio Lower Upper

63 100

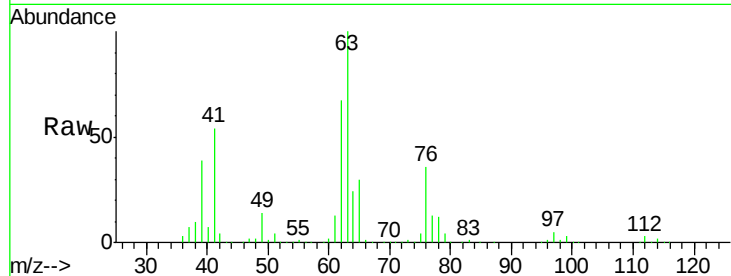
65 29.9 24.2 36.4

Manual Integrations

APPROVED

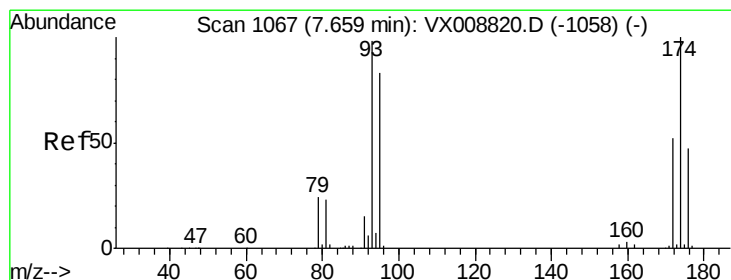
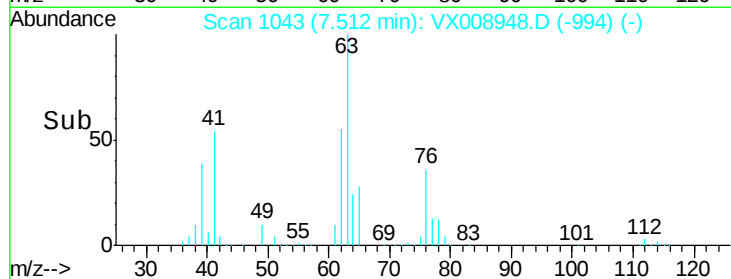
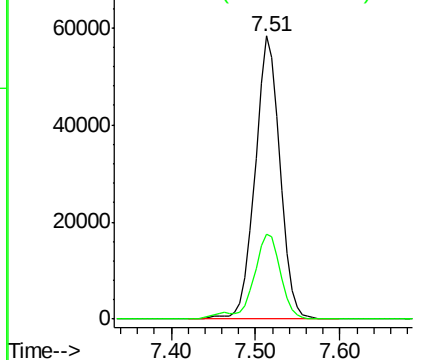
MMDadoda

4/15/2019 12:55:43 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.628 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

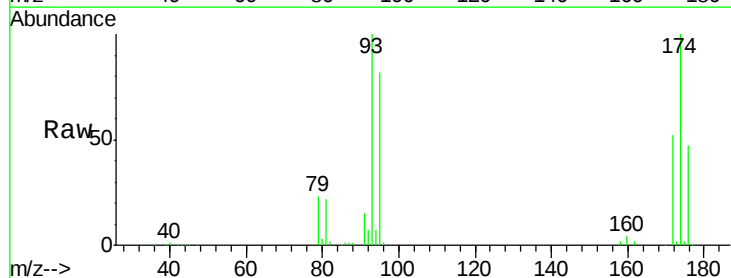
Tgt Ion: 93 Resp: 67654

Ion Ratio Lower Upper

93 100

95 83.2 66.6 99.8

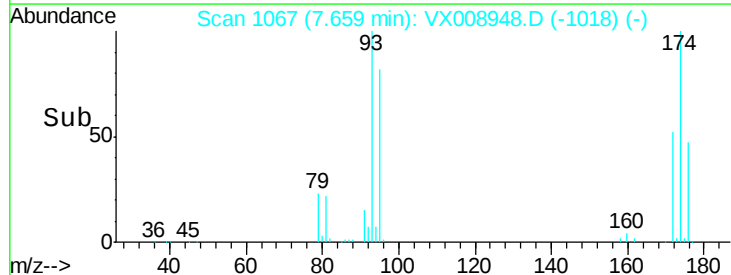
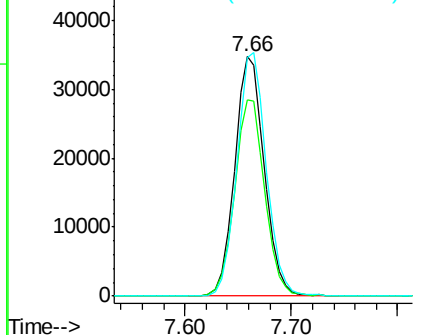
174 101.1 77.7 116.5

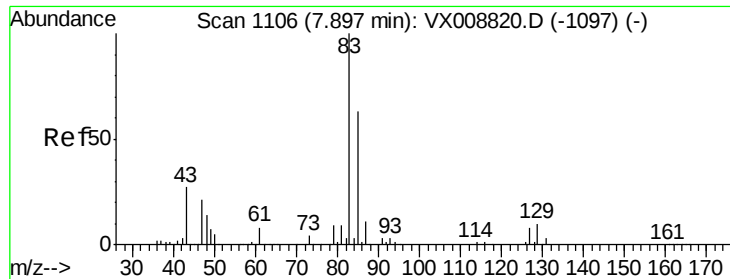


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





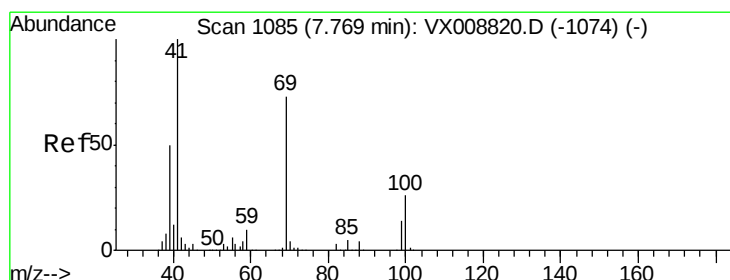
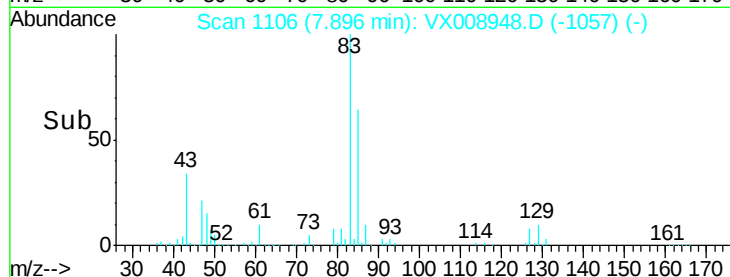
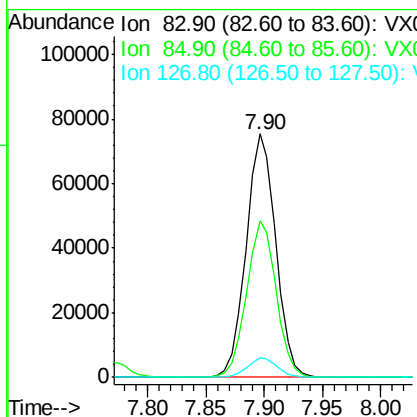
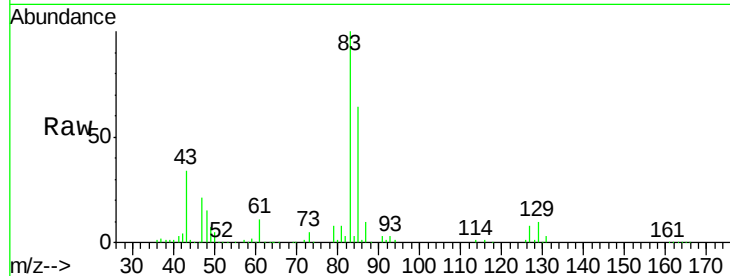
#47
Bromodichloromethane
Concen: 52.055 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	133800		
85	64.2	51.2	76.8	
127	8.0	6.6	10.0	

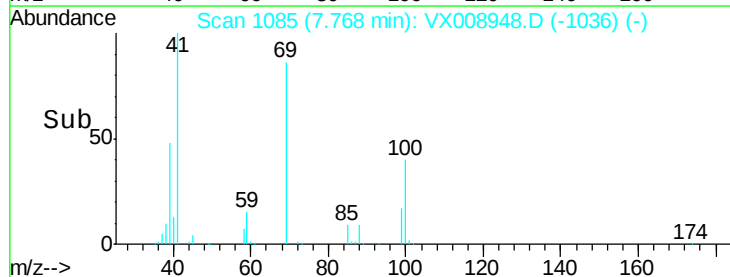
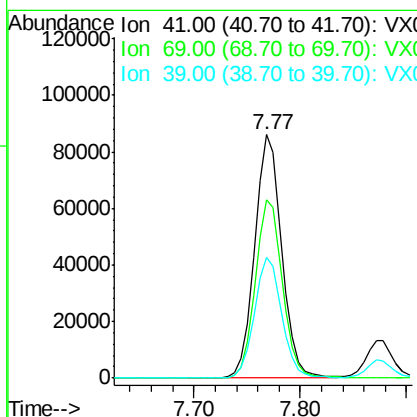
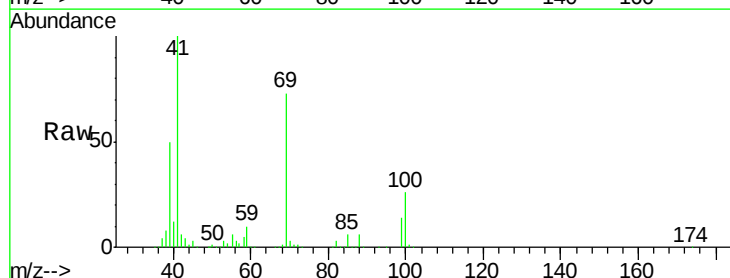
Manual Integrations
APPROVED

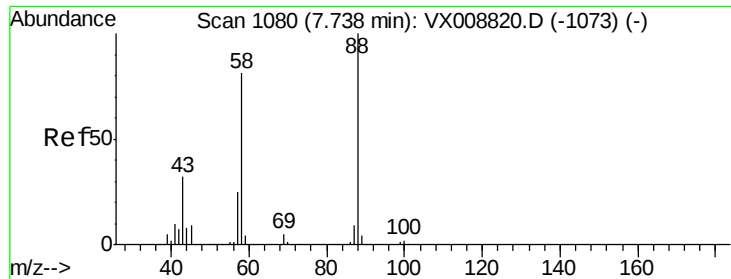
MMDadoda
4/15/2019 12:55:43 PM



#48
Methyl methacrylate
Concen: 52.263 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	152804		
69	74.2	59.0	88.4	
39	50.5	41.0	61.4	





#49

1,4-Dioxane

Concen: 985.825 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

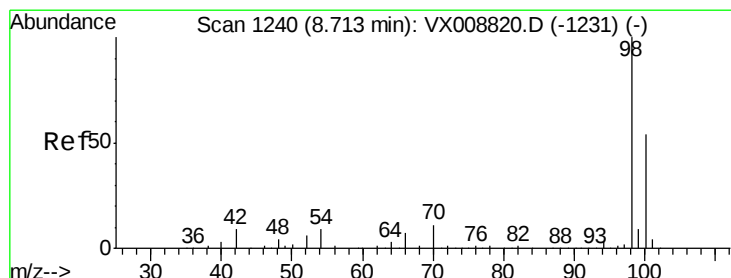
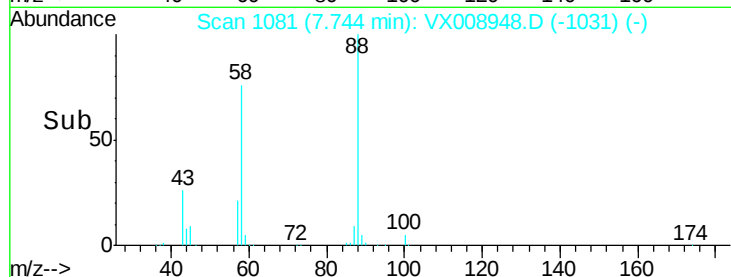
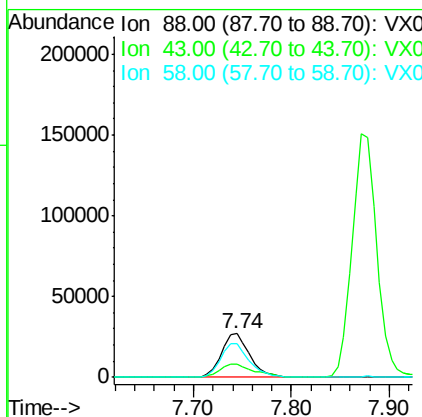
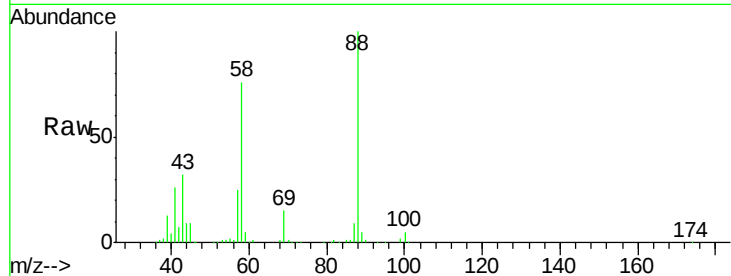
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	53994
Ion	Ratio	Lower	Upper
88	100		
43	36.6	28.6	43.0
58	78.9	62.2	93.2

Manual Integrations
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4/15/2019 12:55:43 PM



#50

Toluene-d8

Concen: 51.432 ug/l

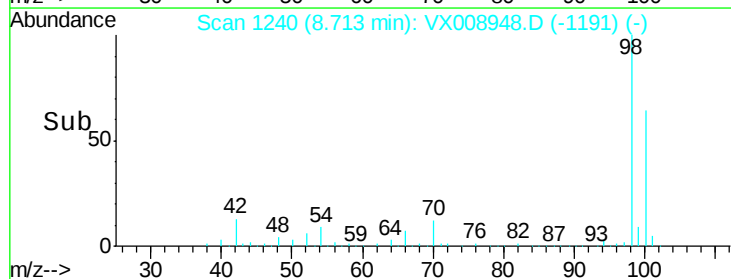
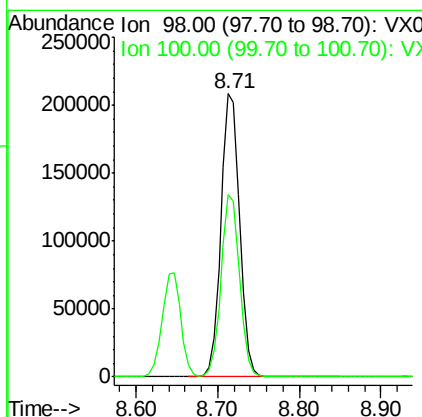
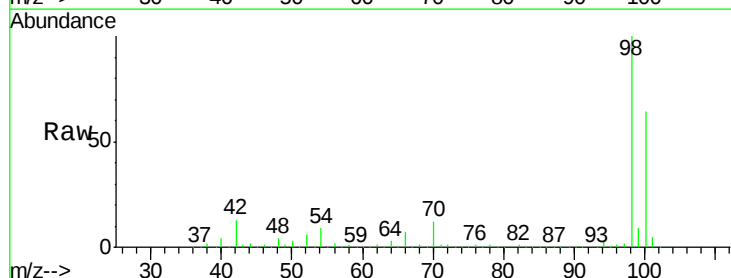
RT: 8.71 min Scan# 1240

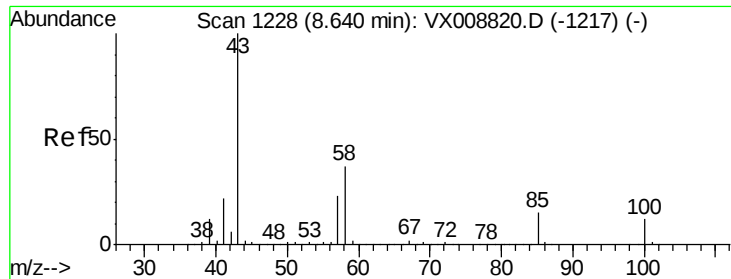
Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Tgt Ion:	98	Resp:	331106
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.4	77.0





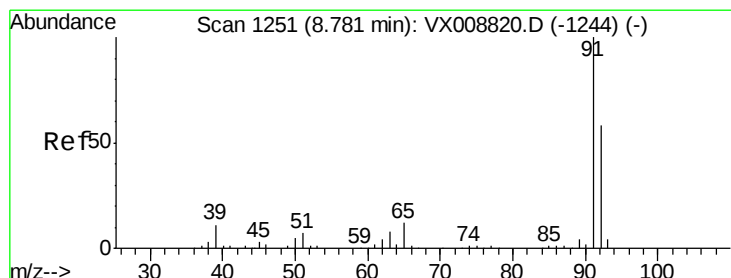
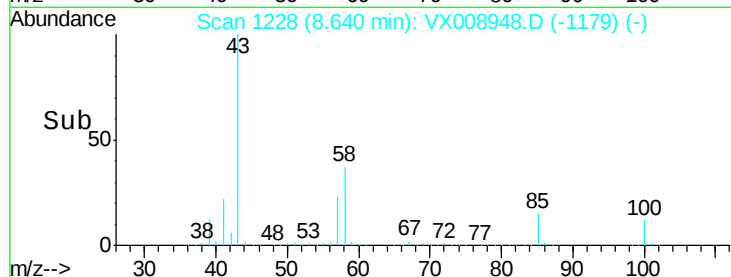
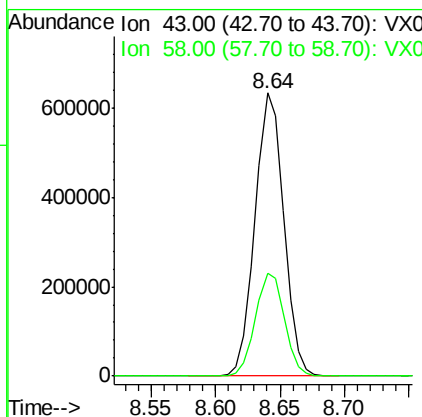
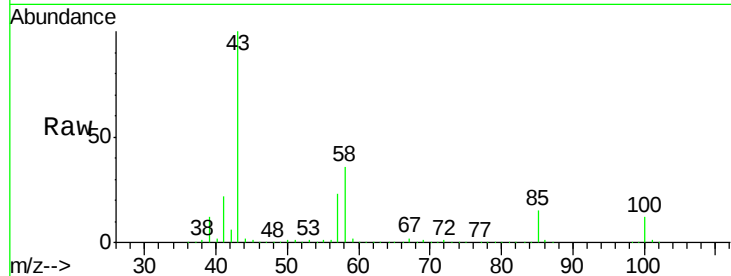
#51
4-Methyl-2-Pentanone
Concen: 262.020 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.5	44.3

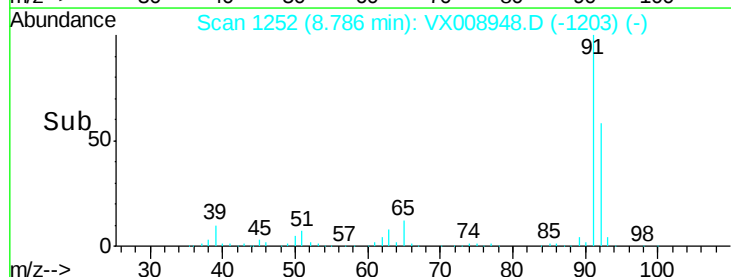
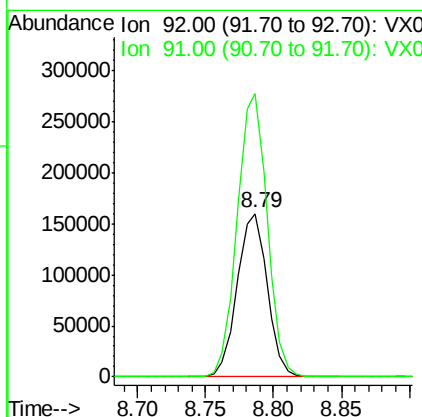
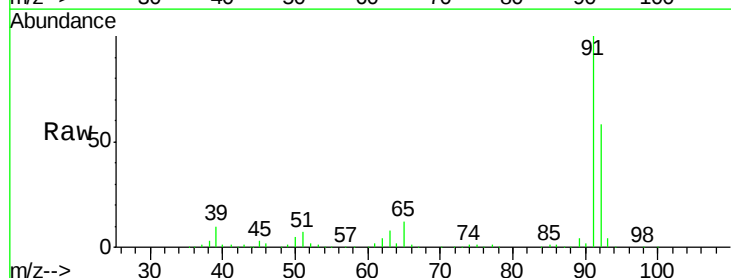
Manual Integrations
APPROVED

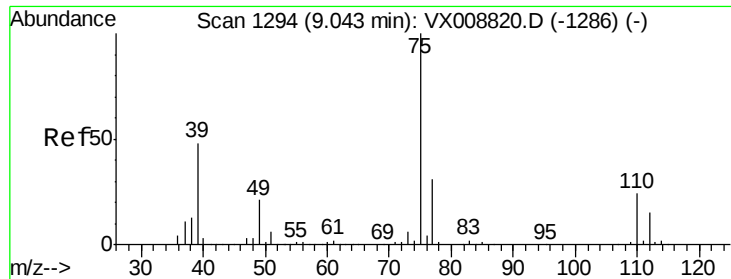
MMDadoda
4/15/2019 12:55:43 PM



#52
Toluene
Concen: 50.716 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	138.5	207.7





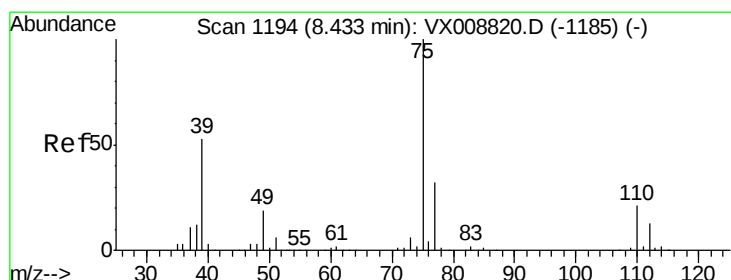
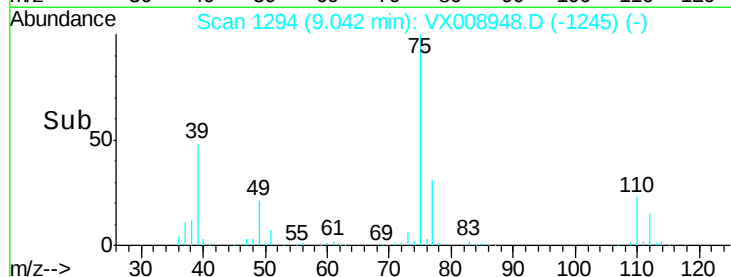
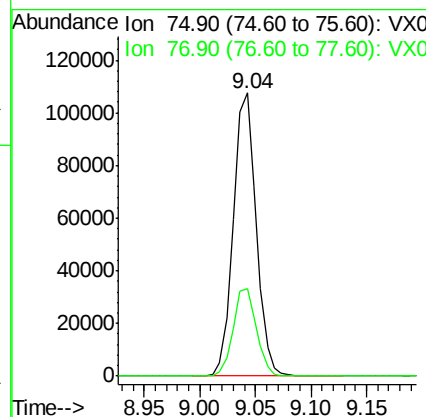
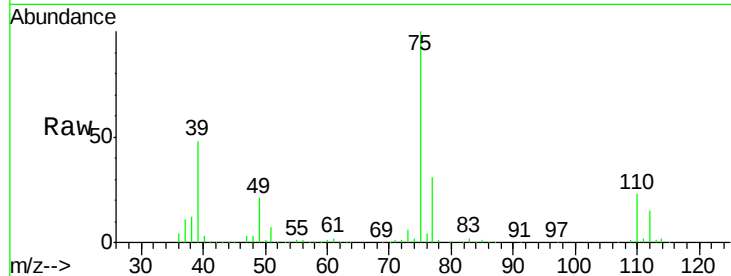
#53
 t-1,3-Dichloropropene
 Concen: 53.187 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 153138
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8

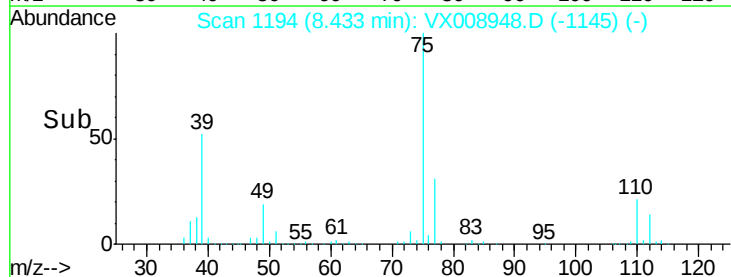
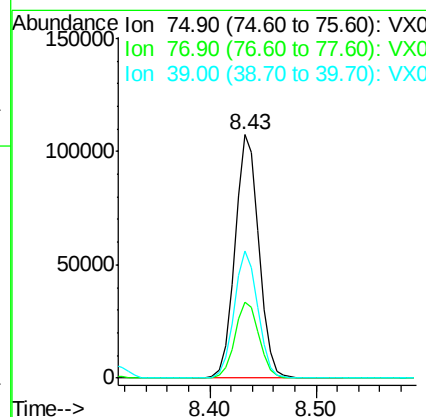
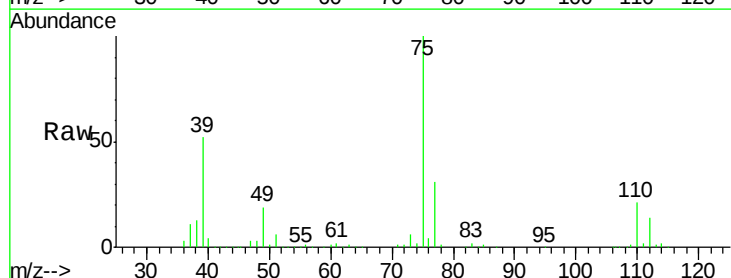
Manual Integrations
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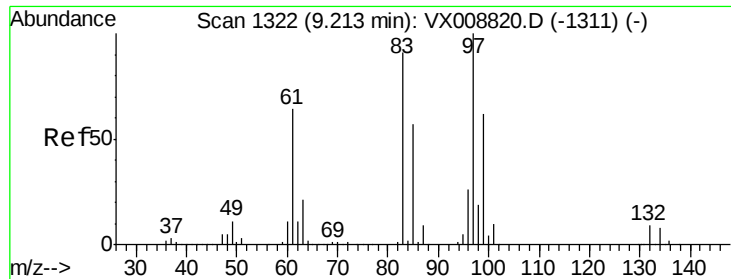
MMDadoda
 4/15/2019 12:55:43 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.281 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Tgt Ion: 75 Resp: 168712
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.3 37.9
 39 52.3 42.6 63.8





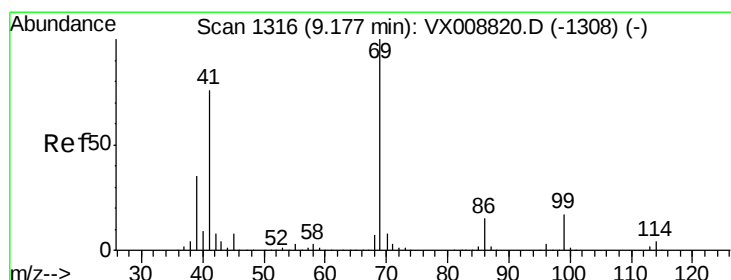
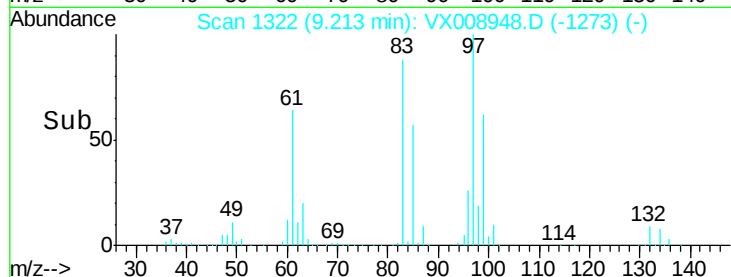
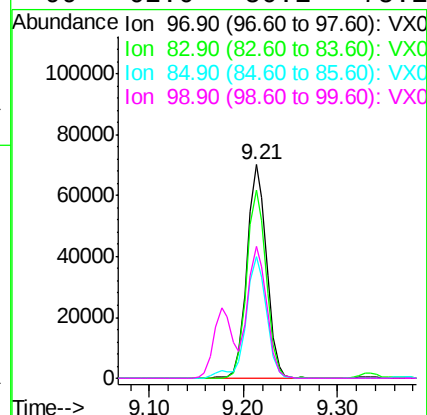
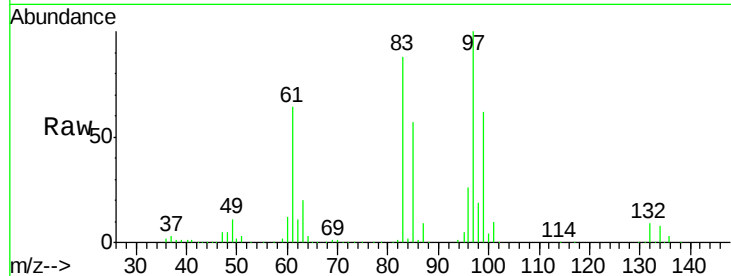
#55
 1,1,2-Trichloroethane
 Concen: 52.025 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		101388		
83	88.4	73.2	109.8		
85	56.7	46.6	69.8		
99	62.0	50.1	75.1		

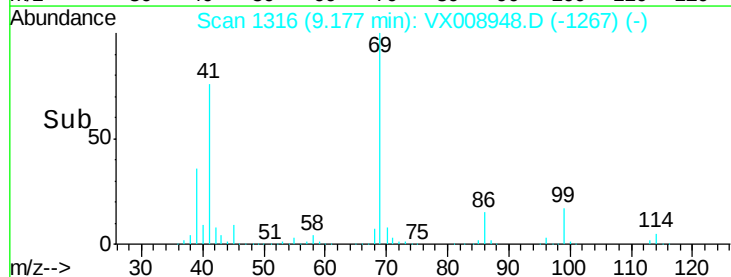
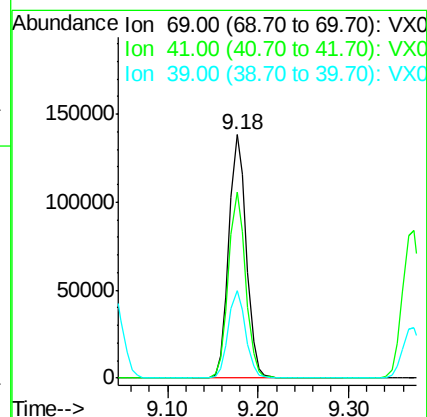
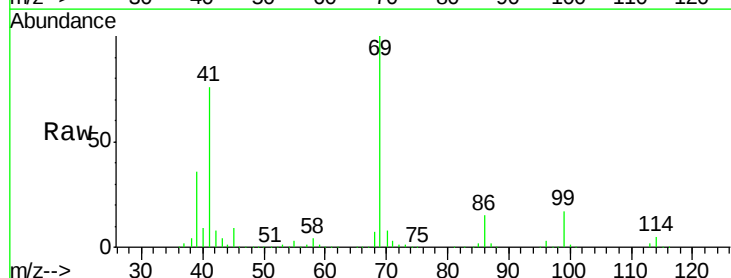
Manual Integrations
 APPROVED

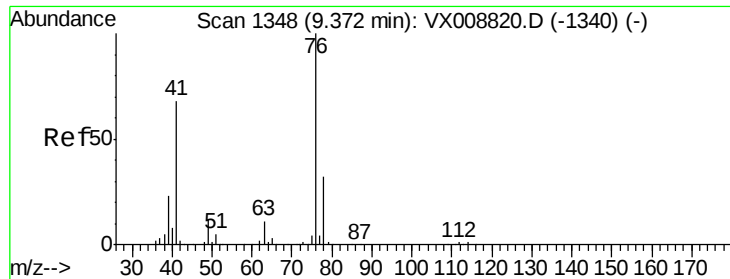
MMDadoda
 4/15/2019 12:55:43 PM



#56
 Ethyl methacrylate
 Concen: 52.801 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		186178		
41	75.0	60.1	90.1		
39	35.4	28.9	43.3		





#57

1,3-Dichloropropane

Concen: 51.454 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 180058

Ion Ratio Lower Upper

76 100

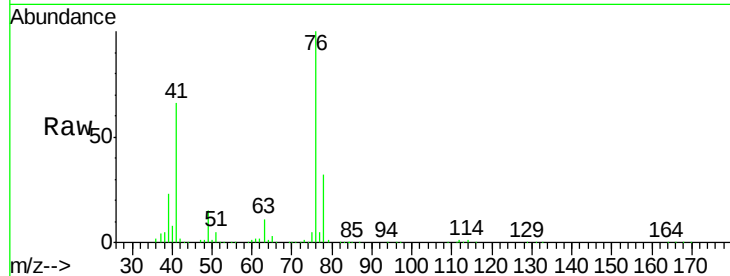
78 31.9 25.6 38.4

Manual Integrations

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MMDadoda

4/15/2019 12:55:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

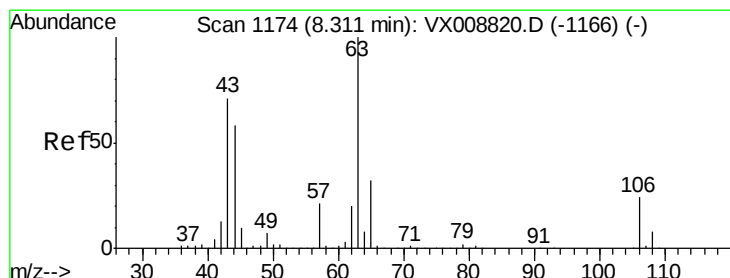
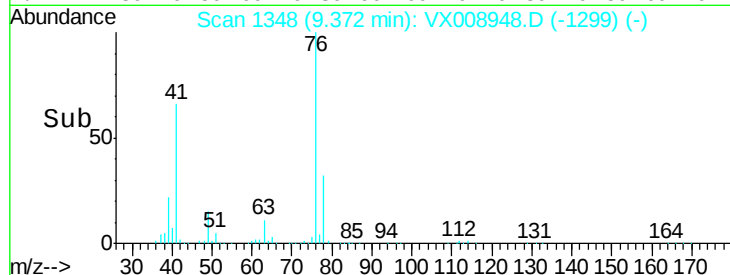
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 253.572 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008948.D

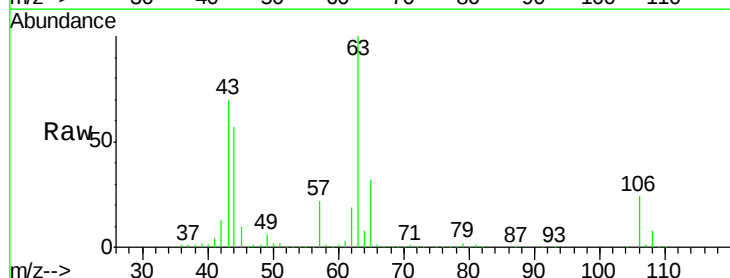
Acq: 13 Apr 2019 21:36

Tgt Ion: 63 Resp: 456546

Ion Ratio Lower Upper

63 100

106 24.4 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

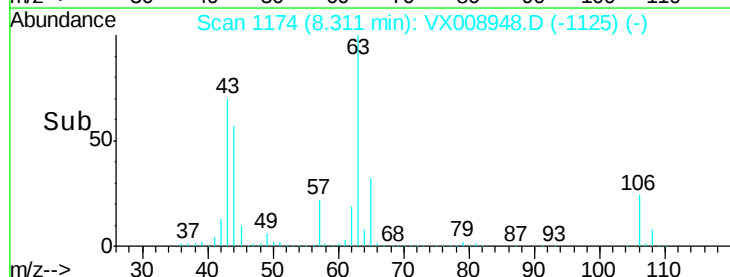
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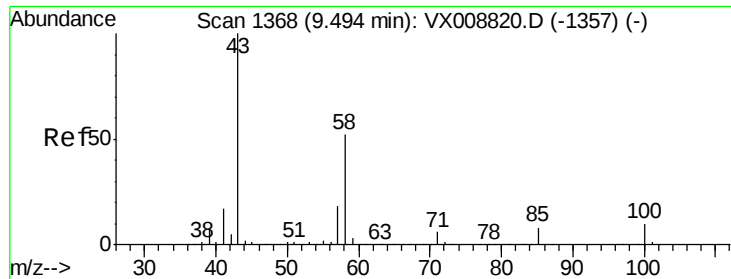
200000

100000

0

Time-->





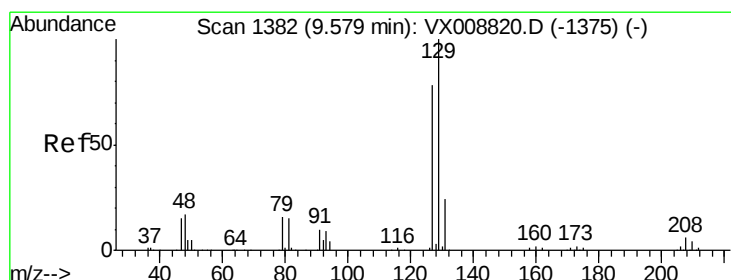
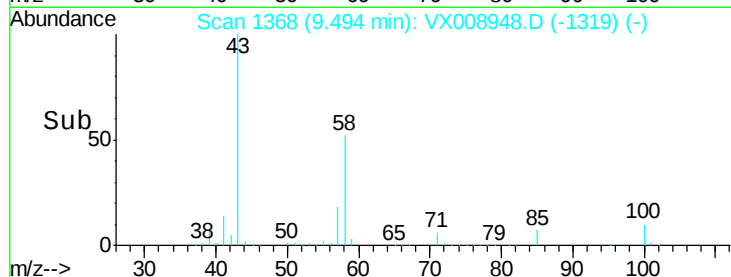
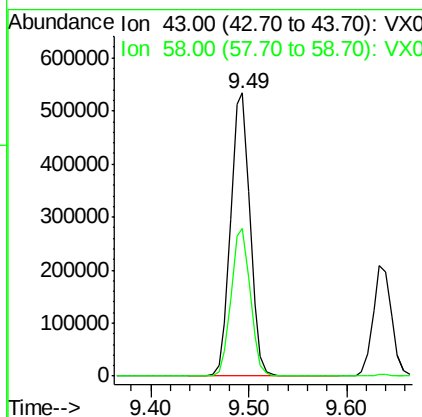
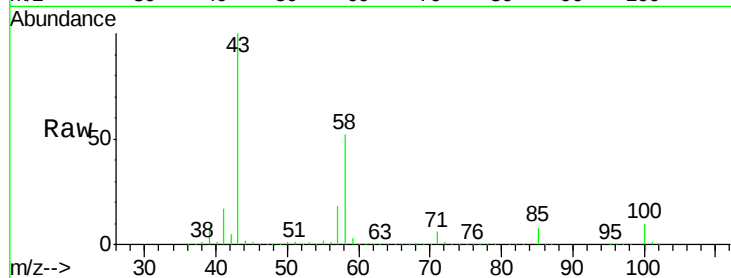
#59
2-Hexanone
Concen: 254.034 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 734554
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7

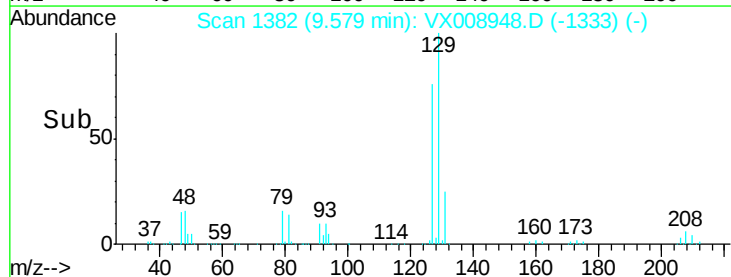
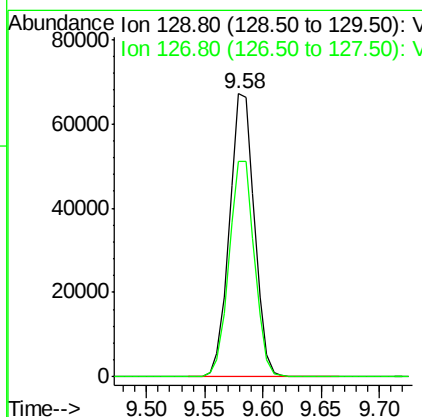
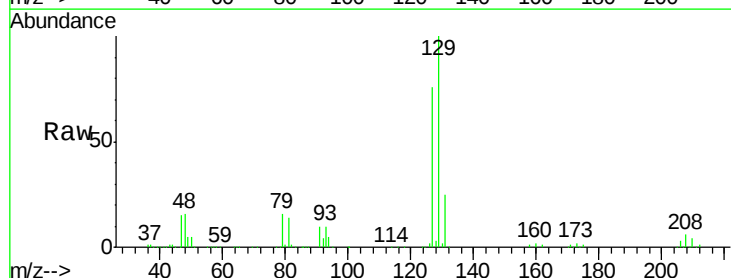
Manual Integrations
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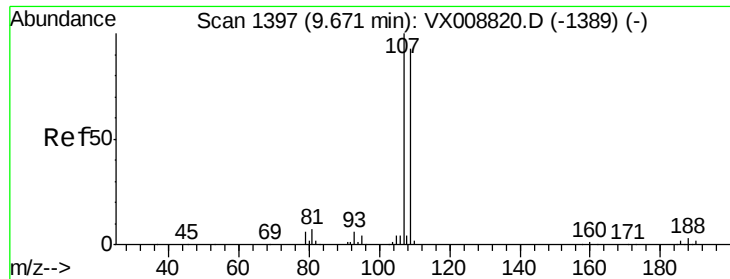
MMDadoda
4/15/2019 12:55:43 PM



#60
Dibromochloromethane
Concen: 54.646 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion: 129 Resp: 100352
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.556 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 104596

Ion Ratio Lower Upper

107 100

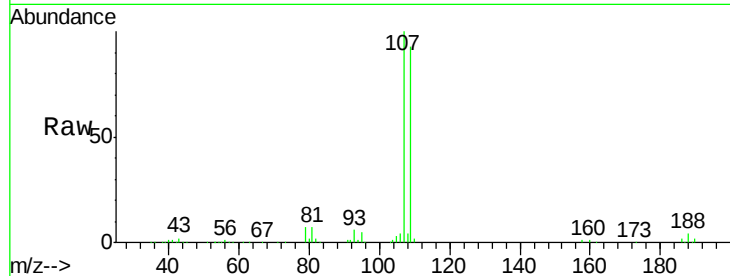
109 93.3 74.1 111.1

Manual Integrations

APPROVED

MMDadoda

4/15/2019 12:55:43 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

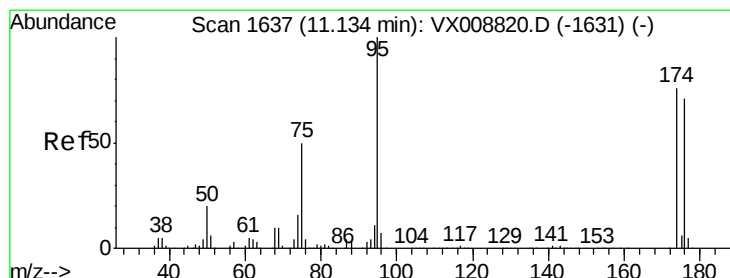
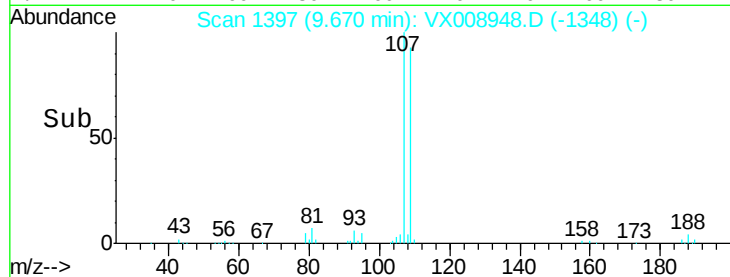
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 51.861 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

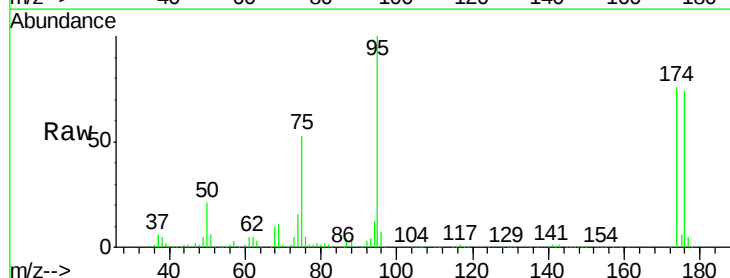
Tgt Ion: 95 Resp: 118395

Ion Ratio Lower Upper

95 100

174 79.0 0.0 151.8

176 76.7 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

60000

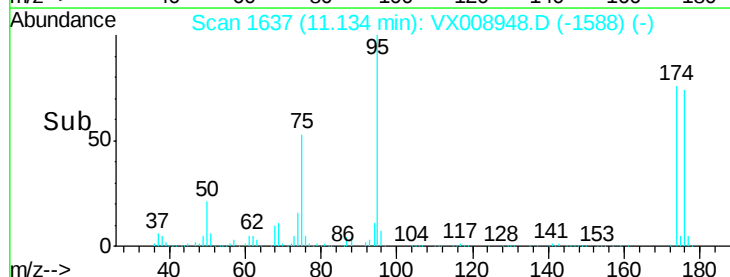
40000

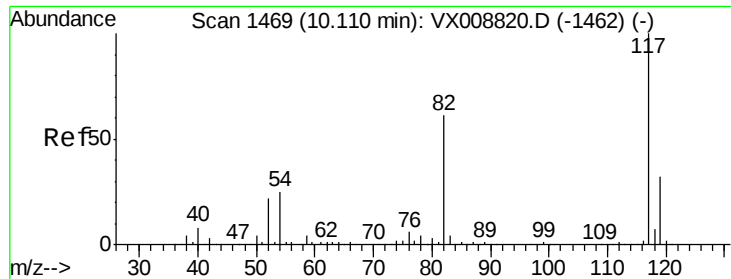
20000

0

Time-->

11.10 11.20





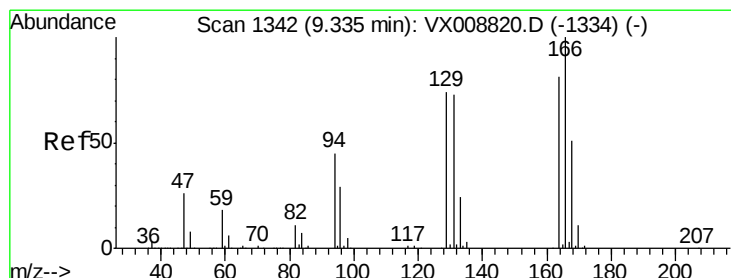
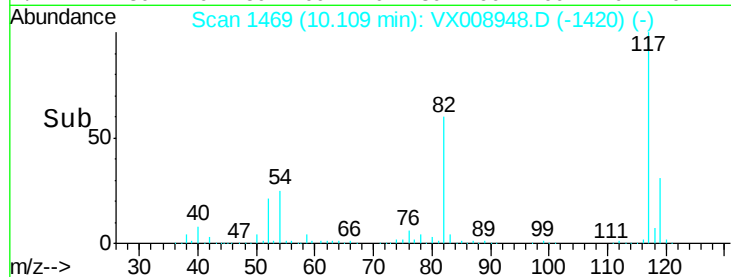
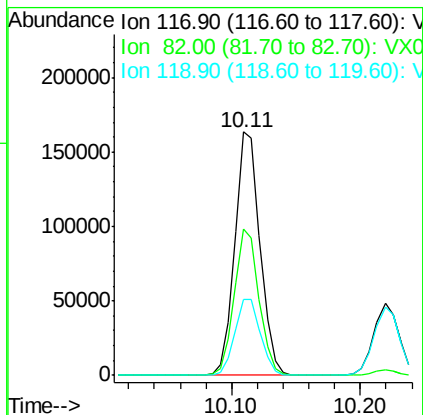
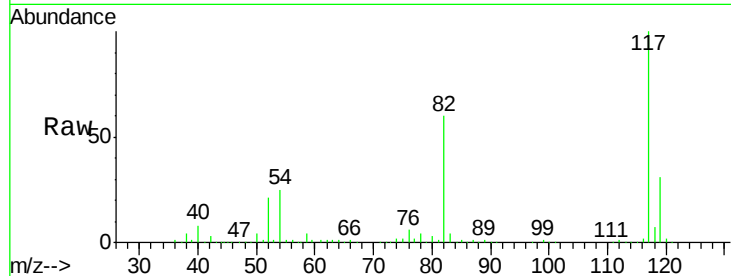
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.6	74.4
119	31.4	25.0	37.4

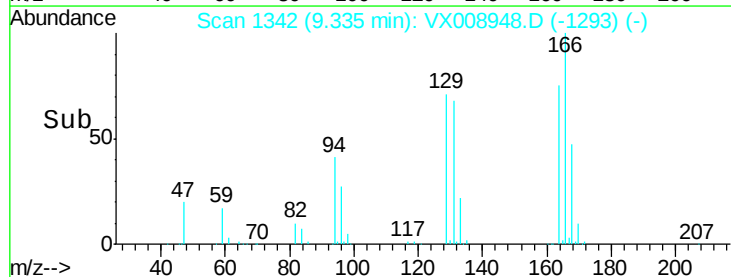
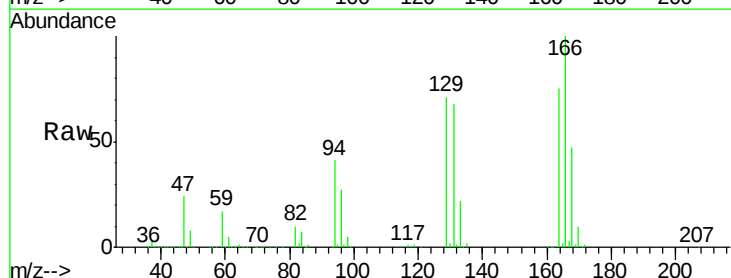
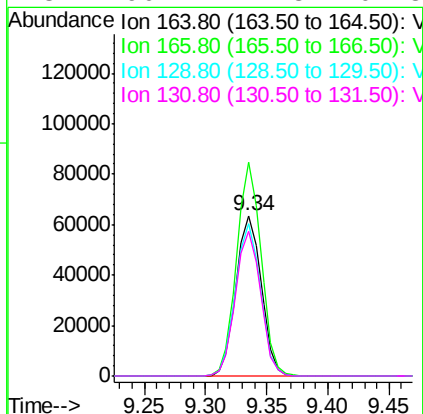
Manual Integrations
APPROVED

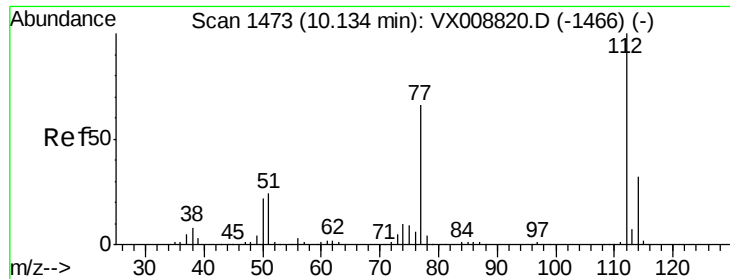
MMDadoda
4/15/2019 12:55:43 PM



#64
Tetrachloroethene
Concen: 55.207 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.3	101.0	151.6
129	95.1	75.8	113.8
131	90.2	71.8	107.8





#65

Chlorobenzene

Concen: 51.122 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 251814

Ion Ratio Lower Upper

112 100

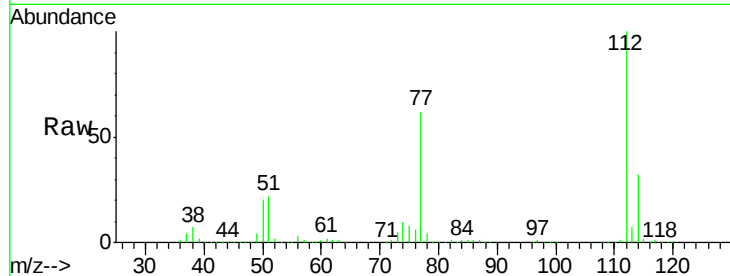
114 32.4 25.8 38.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

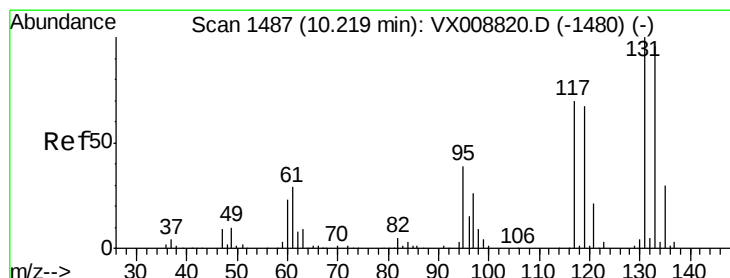
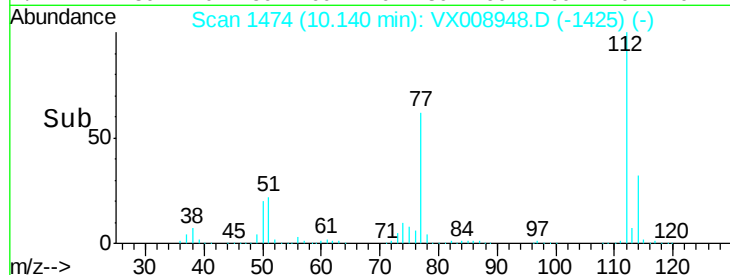
100000

50000

0

10.10 10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.009 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

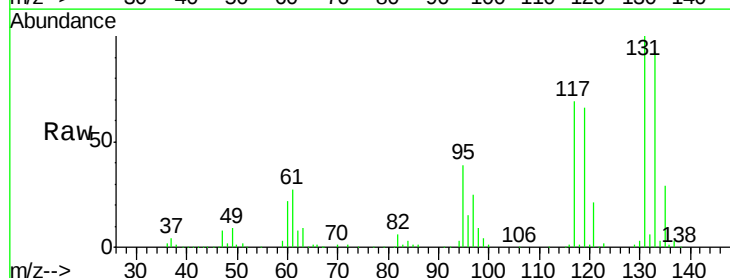
Tgt Ion:131 Resp: 93331

Ion Ratio Lower Upper

131 100

133 94.1 47.0 141.2

119 66.8 33.7 101.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

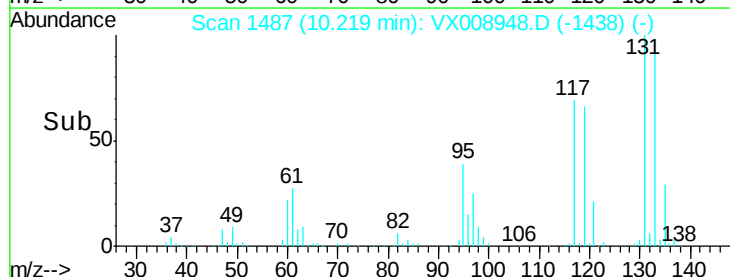
40000

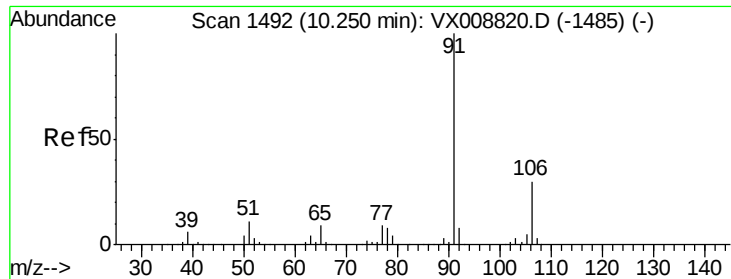
20000

0

10.20 10.30

Time-->





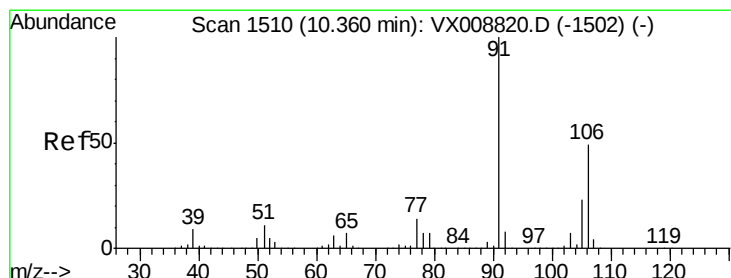
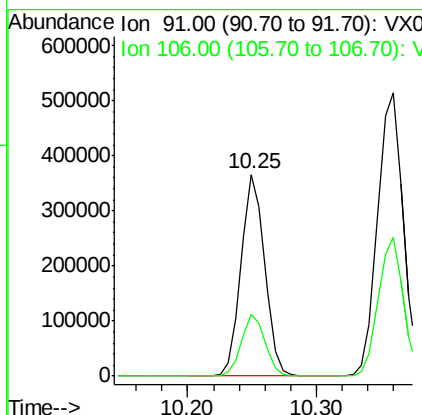
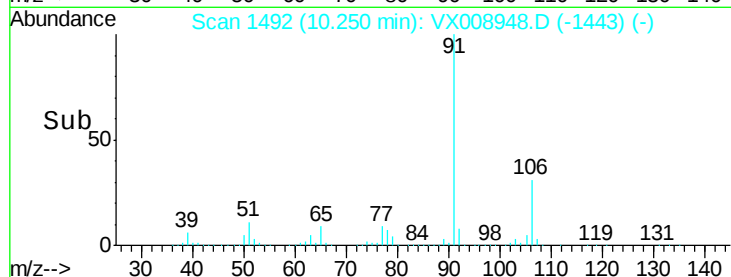
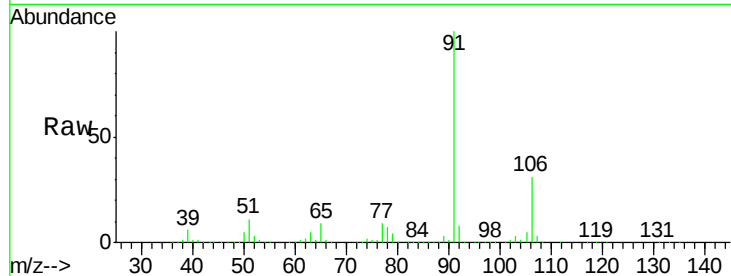
#67
Ethyl Benzene
Concen: 50.605 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 464806
Ion Ratio Lower Upper
91 100
106 31.0 23.7 35.5

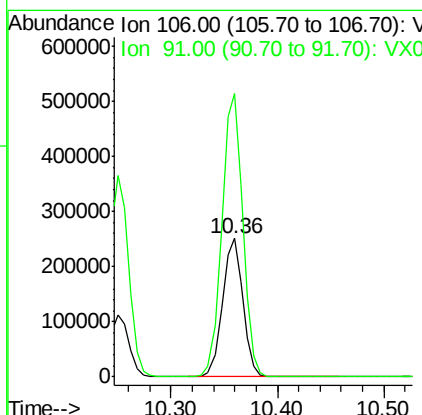
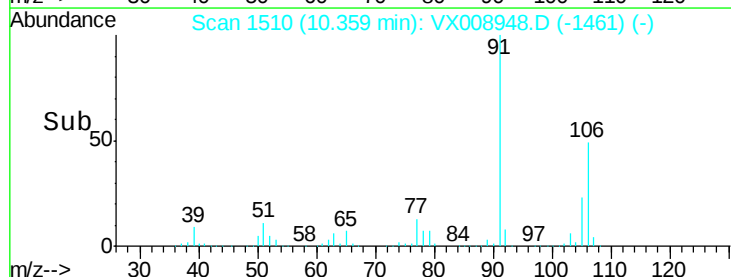
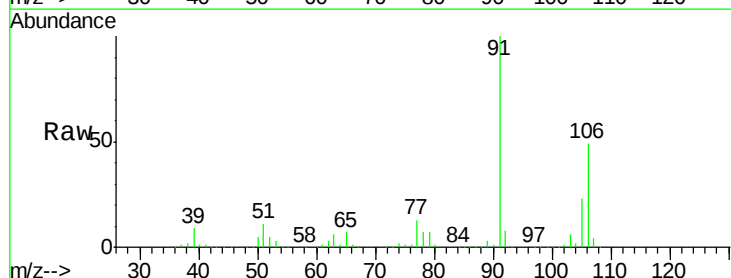
Manual Integrations
APPROVED

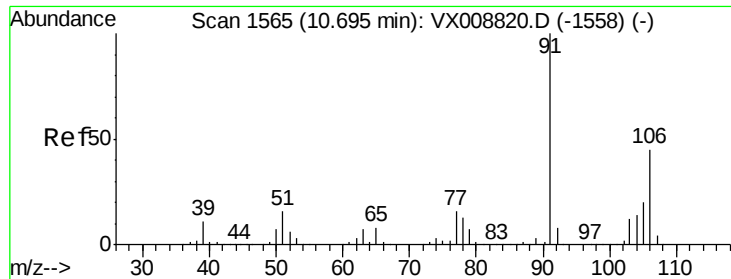
MMDadoda
4/15/2019 12:55:43 PM



#68
m/p-Xylenes
Concen: 101.526 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion: 106 Resp: 335288
Ion Ratio Lower Upper
106 100
91 209.1 168.5 252.7





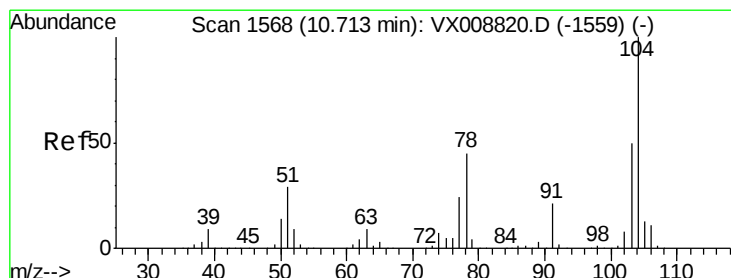
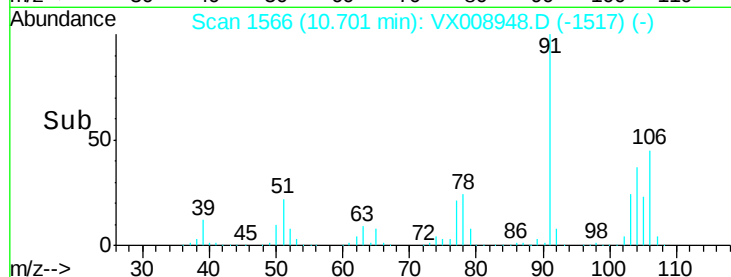
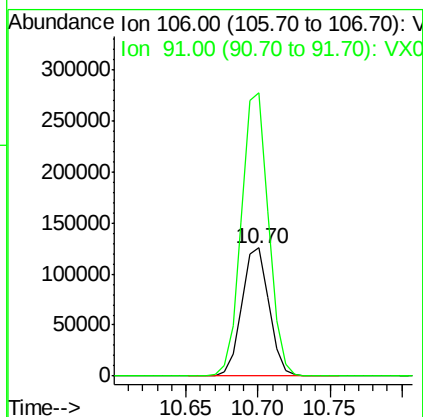
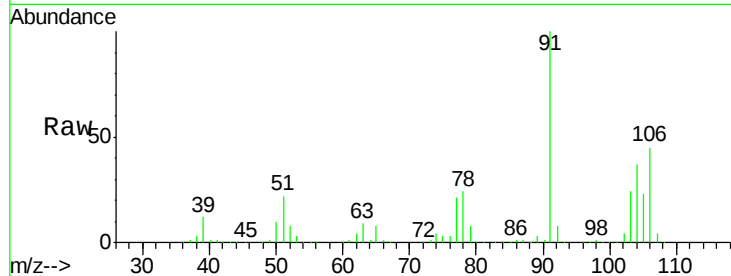
#69
o-Xylene
Concen: 51.339 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 164308
Ion Ratio Lower Upper
106 100
91 220.3 111.5 334.4

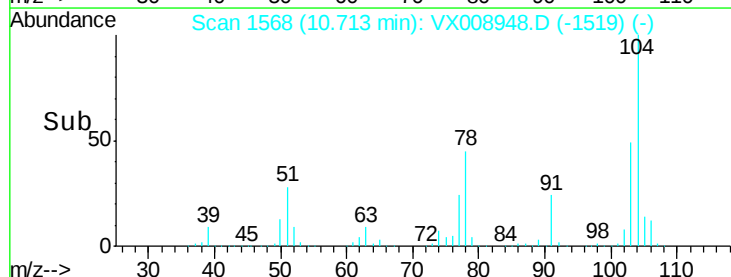
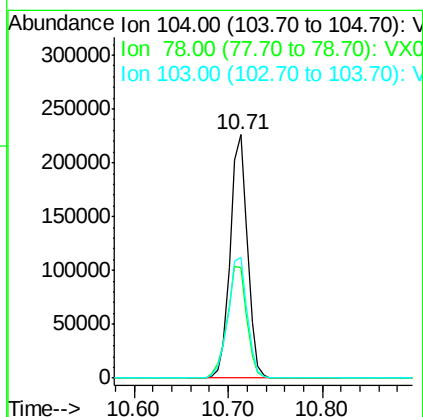
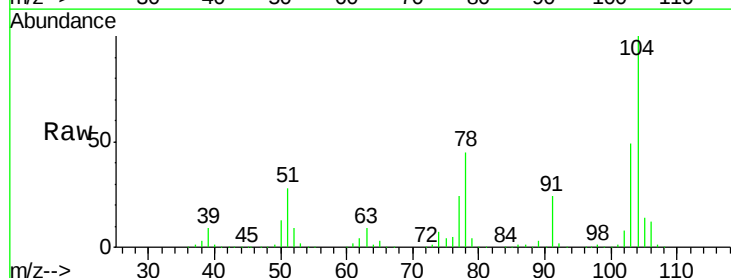
Manual Integrations
APPROVED

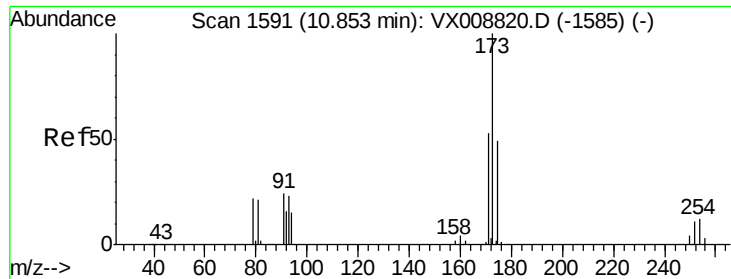
MMDadoda
4/15/2019 12:55:43 PM



#70
Styrene
Concen: 51.989 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion:104 Resp: 286815
Ion Ratio Lower Upper
104 100
78 52.2 42.3 63.5
103 55.0 44.4 66.6





#71

Bromoform

Concen: 55.811 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 73659

Ion Ratio Lower Upper

173 100

175 48.1 24.9 74.6

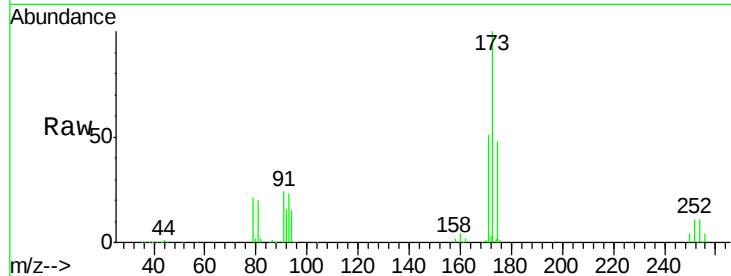
254 0.1 0.1 0.1#

Manual Integrations

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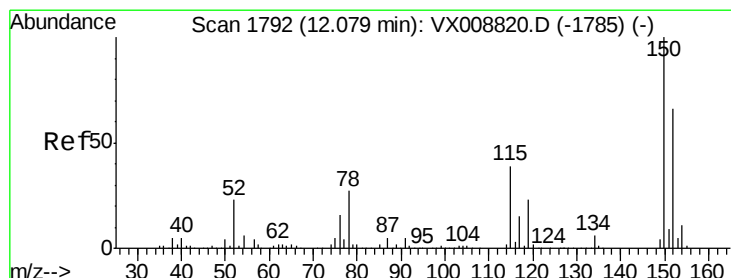
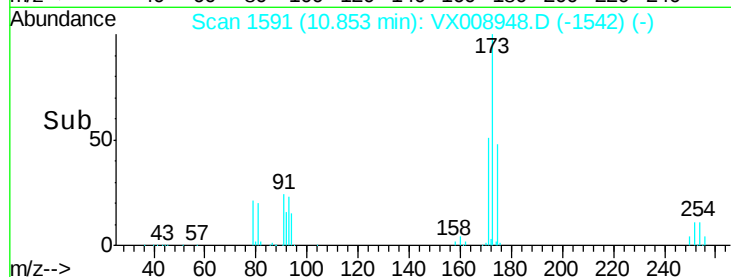
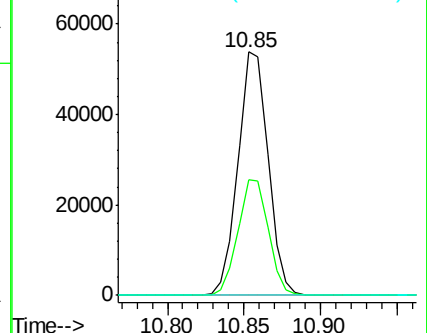
4/15/2019 12:55:43 PM



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: VX008948.D

Acq: 13 Apr 2019 21:36

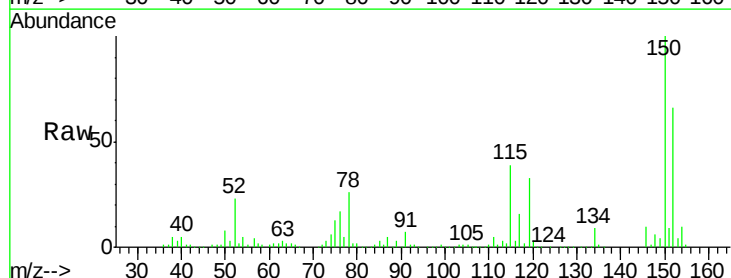
Tgt Ion:152 Resp: 102379

Ion Ratio Lower Upper

152 100

115 84.6 43.5 130.5

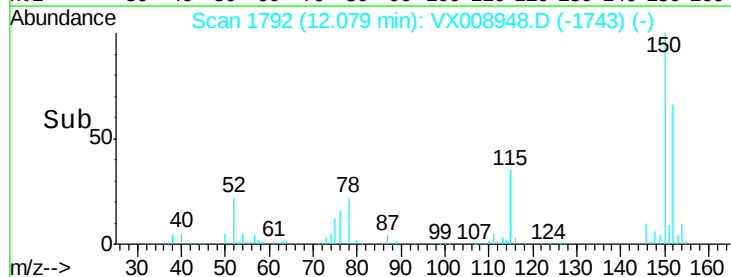
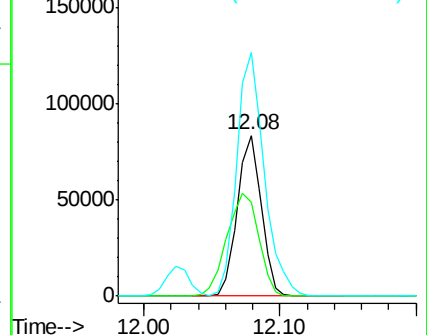
150 173.9 0.0 348.8

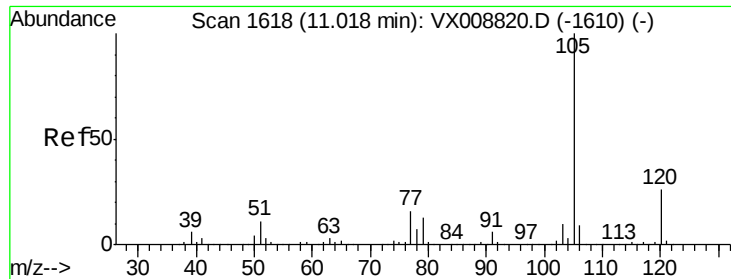


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.475 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 436737

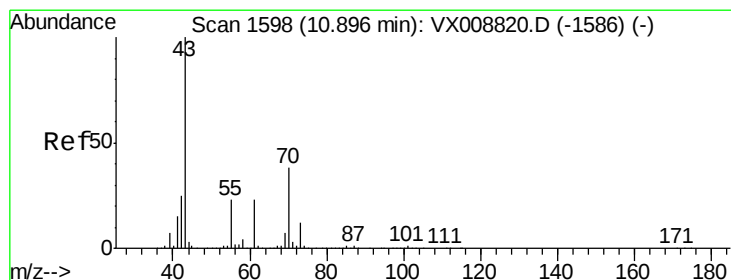
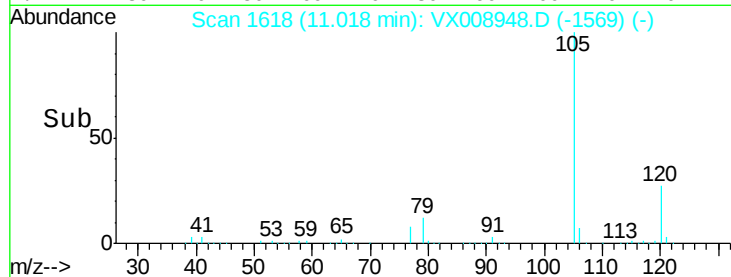
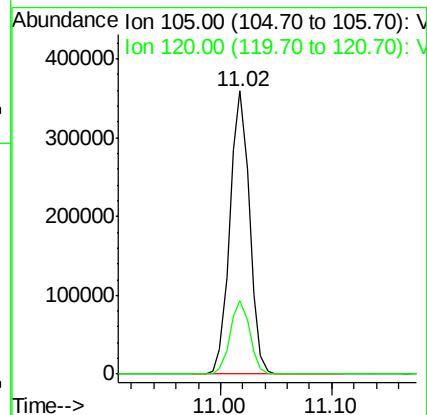
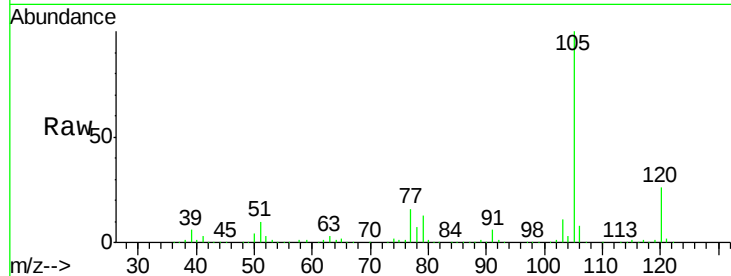
Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.6

Manual Integrations
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4/15/2019 12:55:43 PM



#74

N-ethyl acetate

Concen: 51.238 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Tgt Ion: 43 Resp: 255770

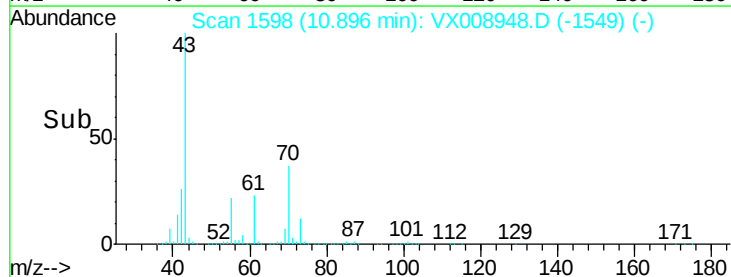
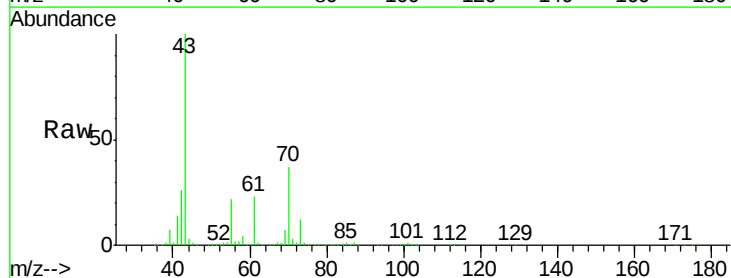
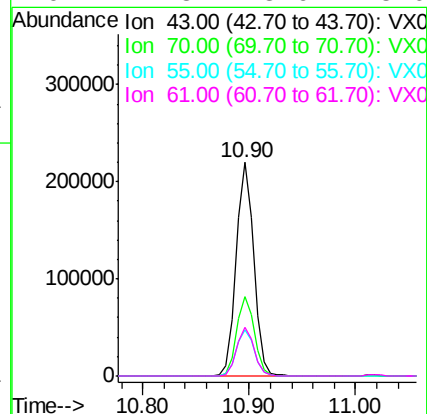
Ion Ratio Lower Upper

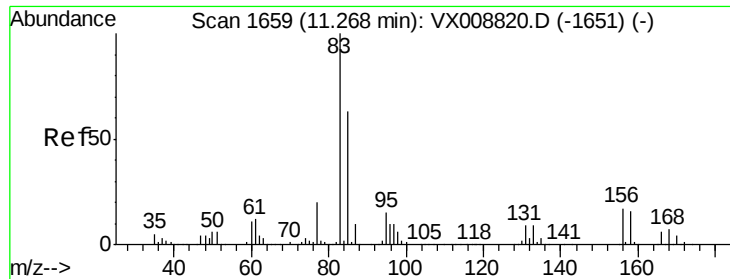
43 100

70 37.6 30.2 45.4

55 22.4 18.2 27.4

61 22.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.301 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

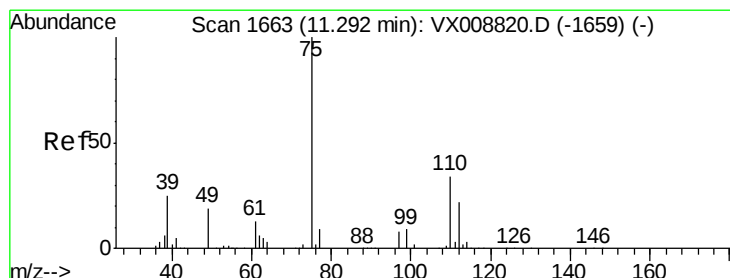
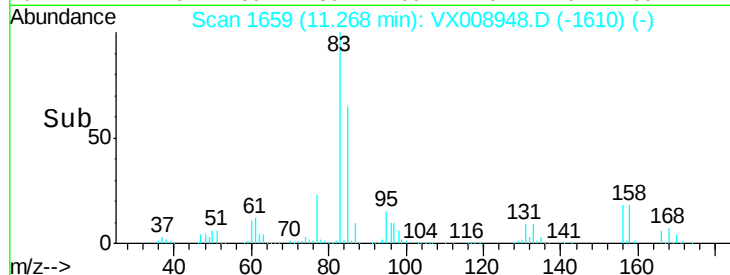
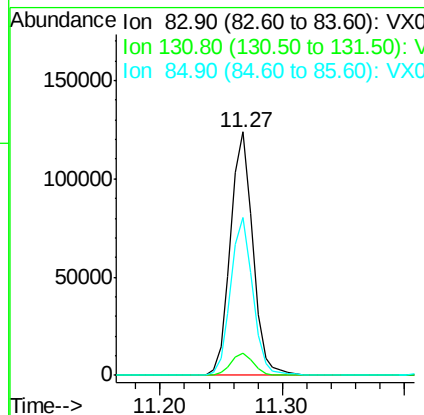
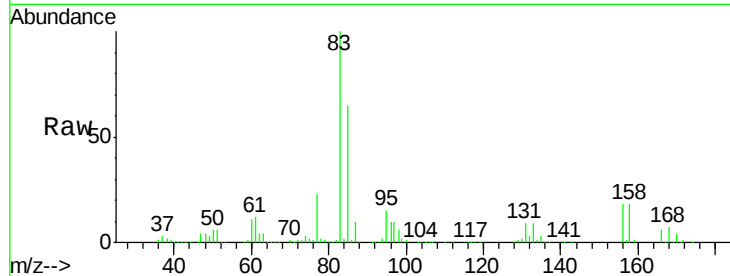
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	155856
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.7
85	64.1	32.0	96.2

Manual Integrations
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4/15/2019 12:55:43 PM



#76

1,2,3-Trichloropropane

Concen: 49.075 ug/l m

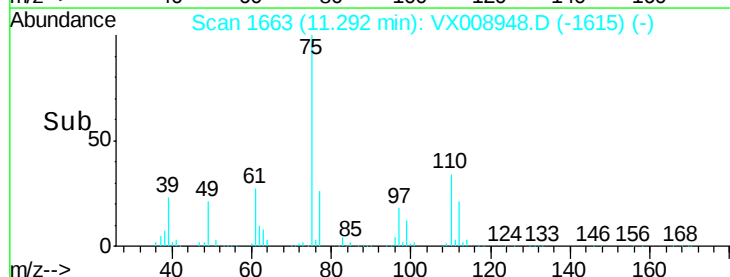
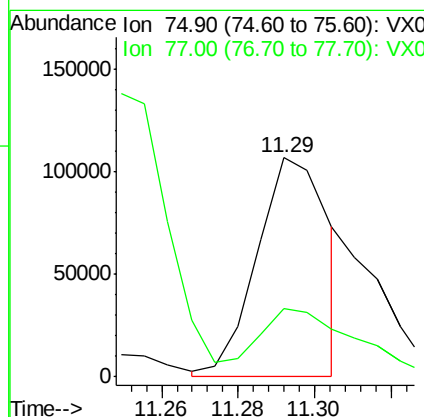
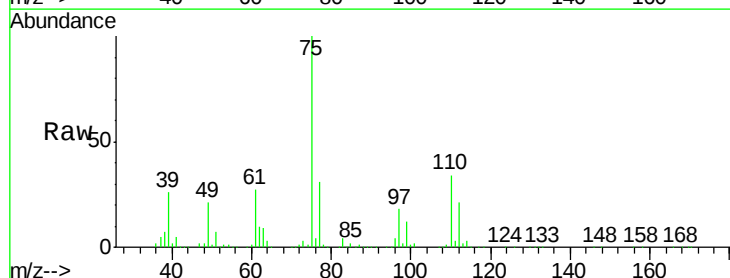
RT: 11.29 min Scan# 1663

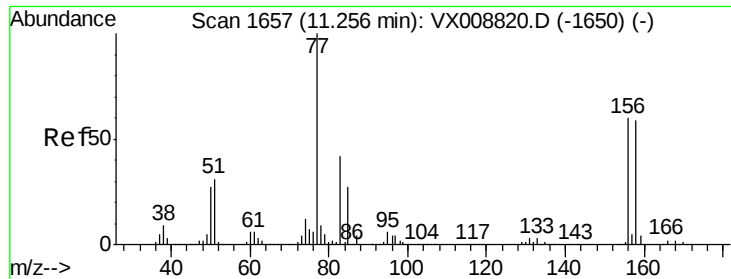
Delta R.T. -0.01 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Tgt Ion:	75	Resp:	138022
Ion Ratio	Lower	Upper	
75	100		
77	43.2	22.3	66.8





#77

Bromobenzene

Concen: 52.158 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

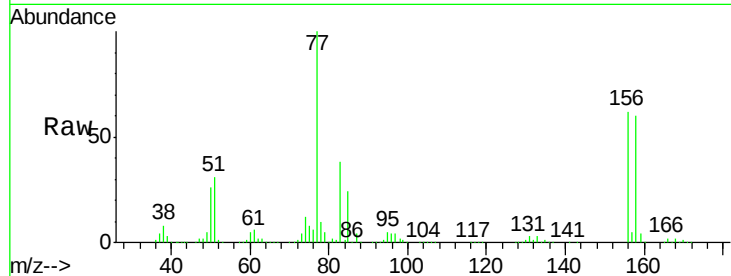
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.0	89.8	269.6
158	97.4	48.6	145.9

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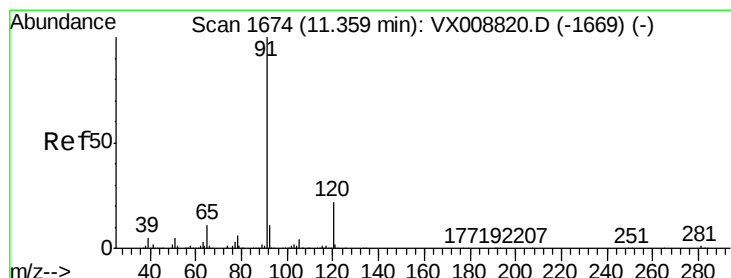
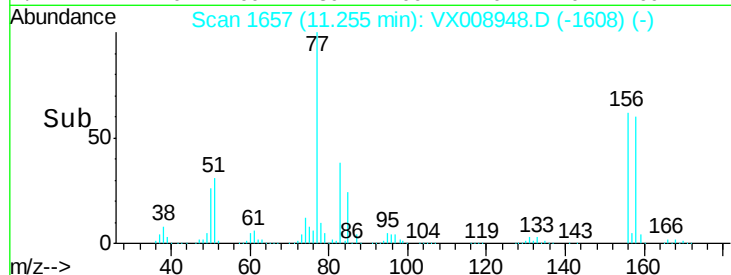
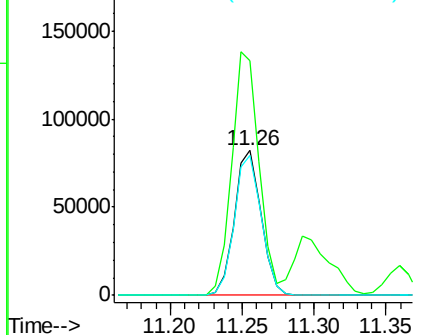
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.125 ug/l

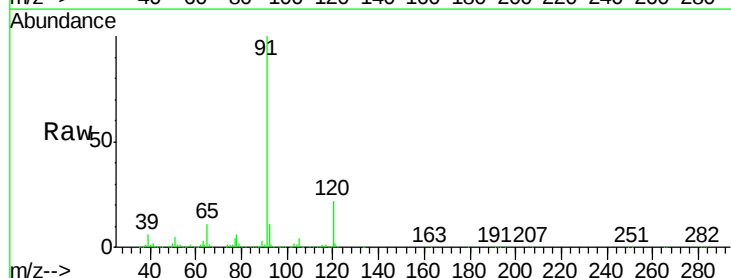
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008948.D

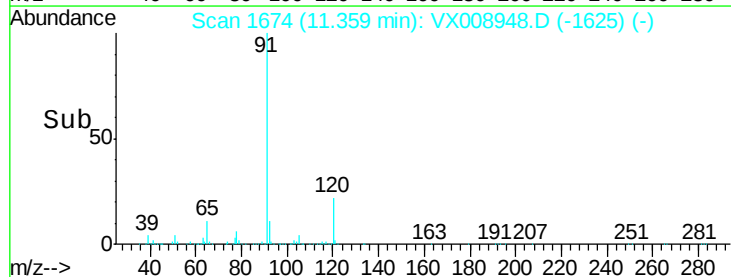
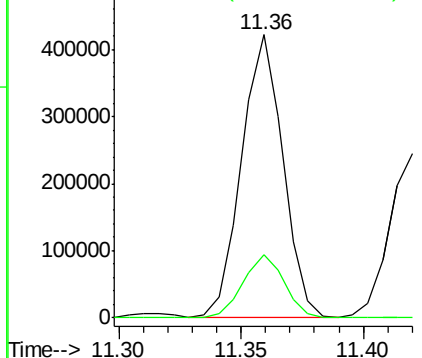
Acq: 13 Apr 2019 21:36

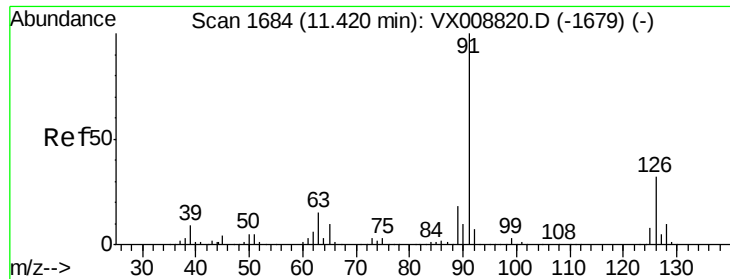
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.9	32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.716 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 297217

Ion Ratio Lower Upper

91 100

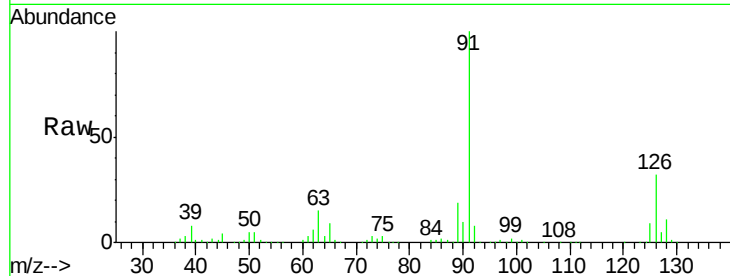
126 32.4 16.1 48.3

Manual Integrations

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

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

500000

400000

300000

200000

100000

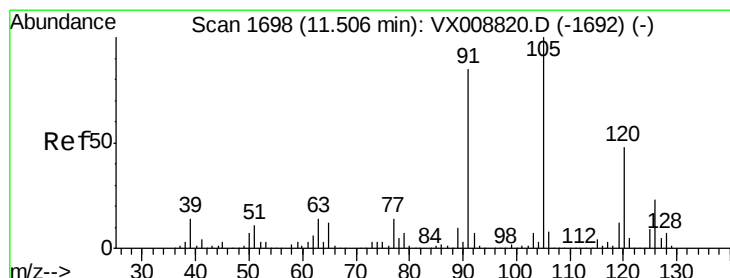
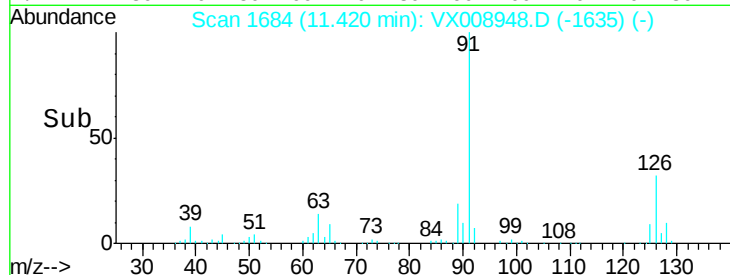
0

11.40

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.009 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008948.D

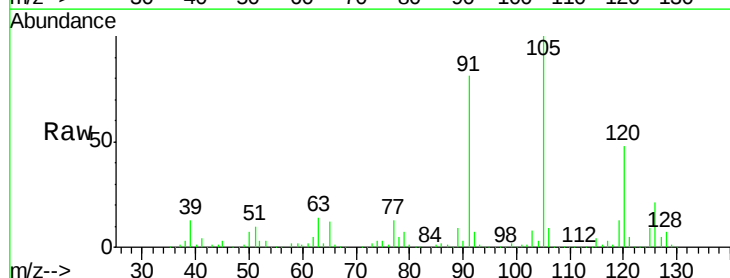
Acq: 13 Apr 2019 21:36

Tgt Ion:105 Resp: 363285

Ion Ratio Lower Upper

105 100

120 48.0 23.5 70.6



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

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

300000

200000

100000

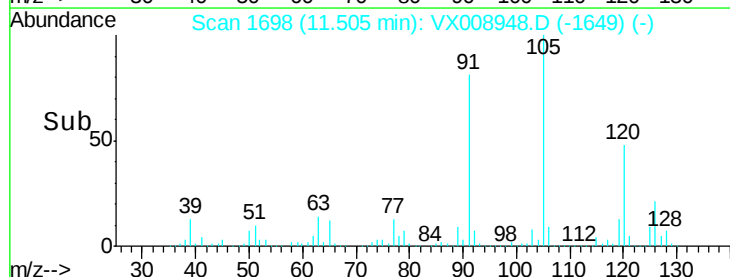
0

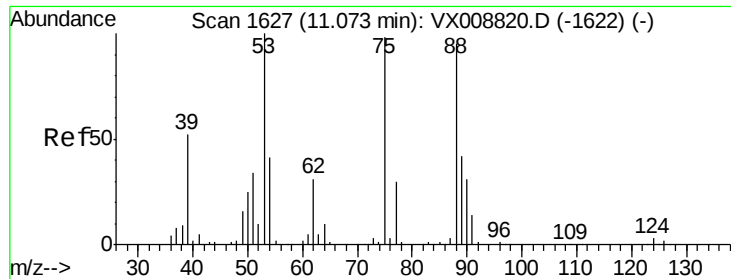
11.50

11.51

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.549 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 53615

Ion Ratio Lower Upper

75 100

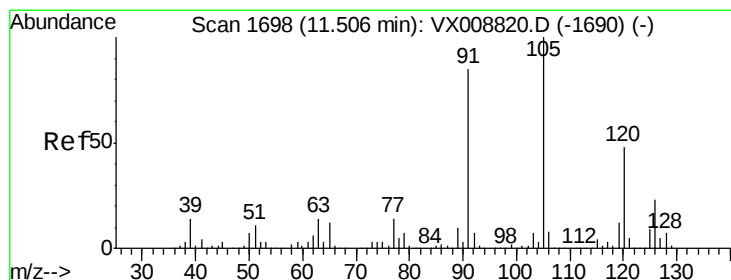
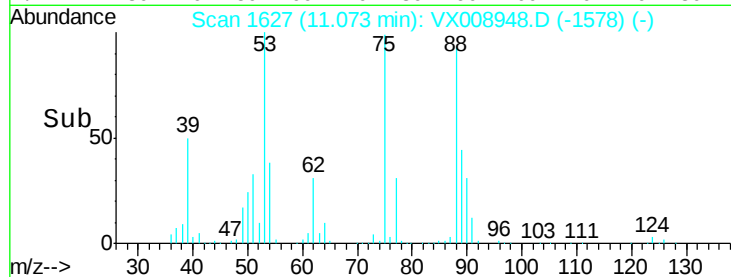
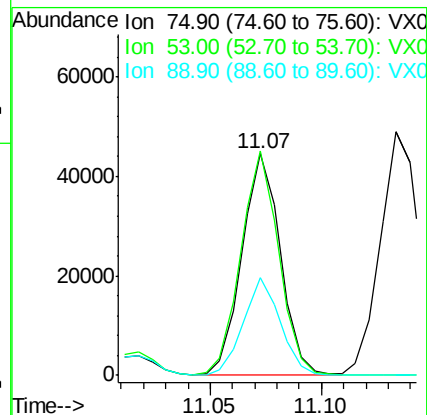
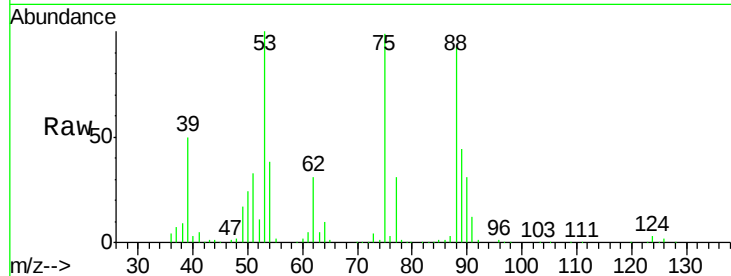
53 99.6 81.3 121.9

89 42.6 35.6 53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.046 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008948.D

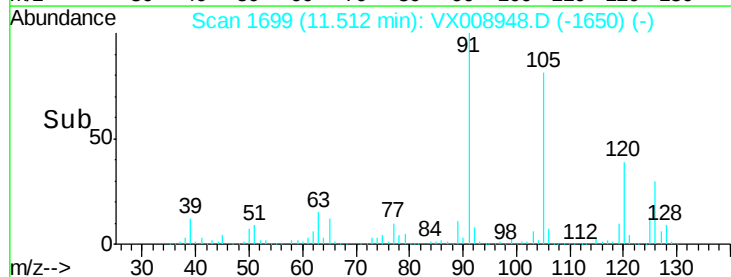
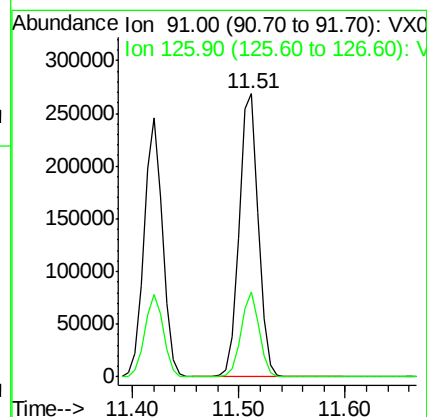
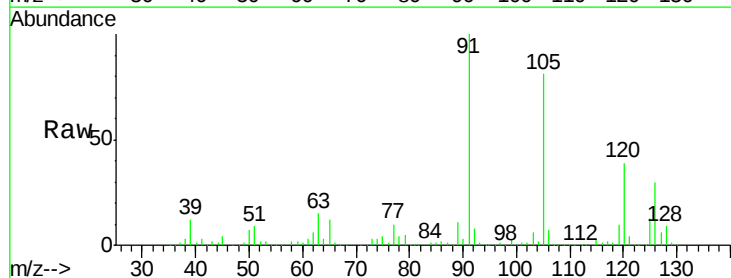
Acq: 13 Apr 2019 21:36

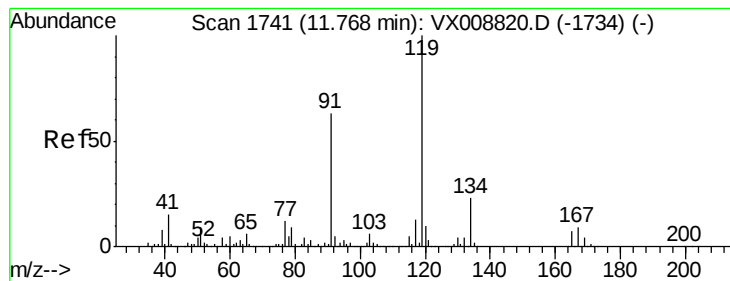
Tgt Ion: 91 Resp: 339402

Ion Ratio Lower Upper

91 100

126 28.3 13.9 41.6





#83

tert-Butylbenzene

Concen: 50.114 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 343378

Ion Ratio Lower Upper

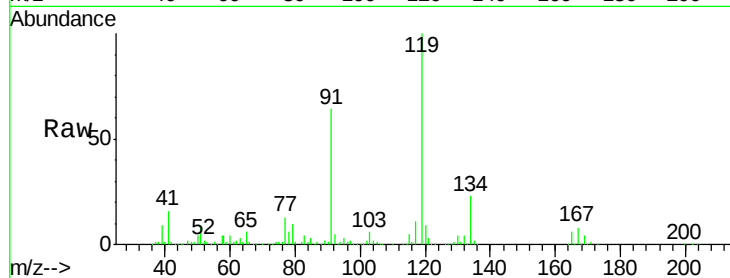
119 100

91 60.6 30.0 90.1

134 22.4 11.1 33.3

Manual Integrations
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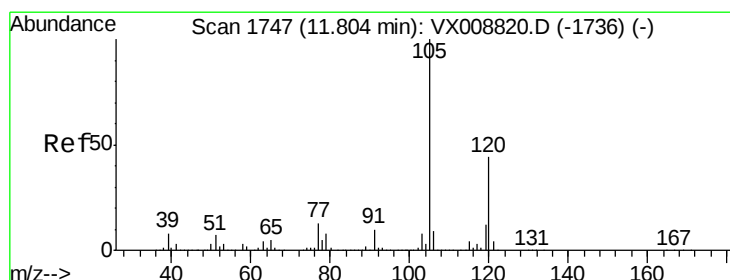
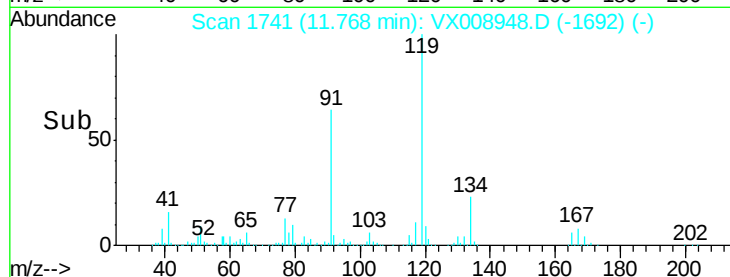
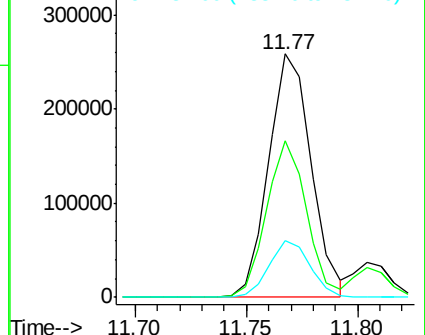
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.072 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008948.D

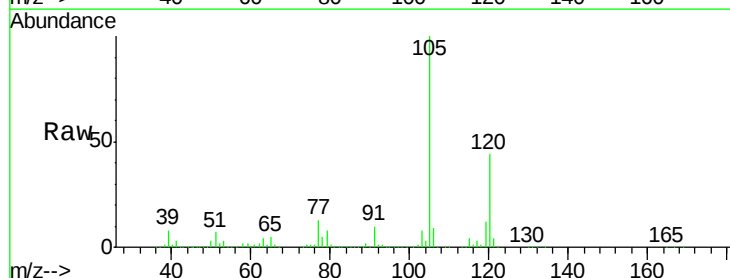
Acq: 13 Apr 2019 21:36

Tgt Ion:105 Resp: 368303

Ion Ratio Lower Upper

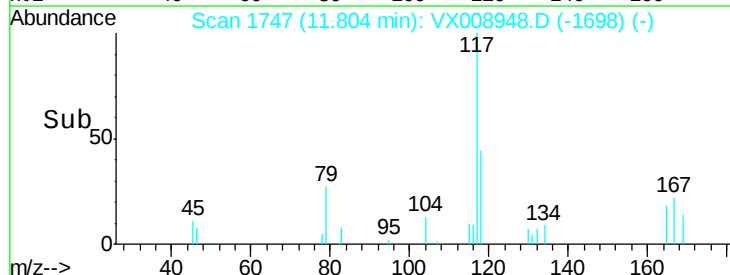
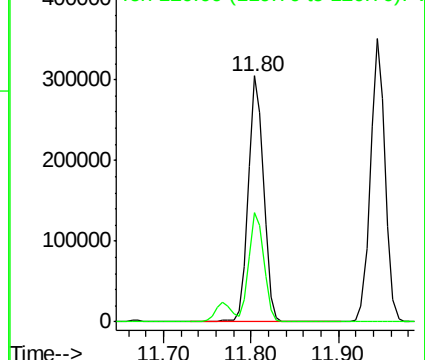
105 100

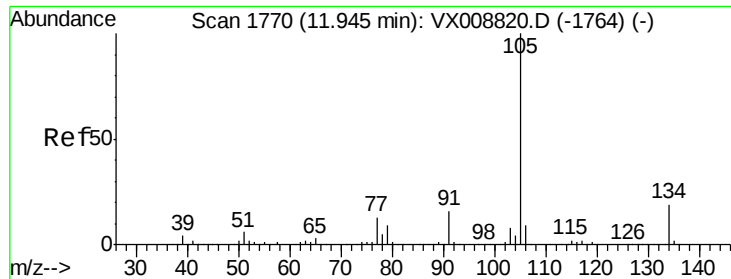
120 43.6 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.849 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 413854

Ion Ratio Lower Upper

105 100

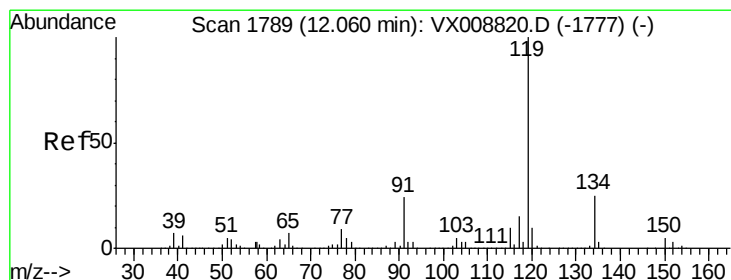
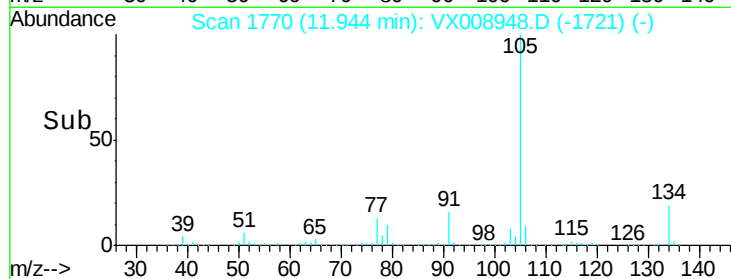
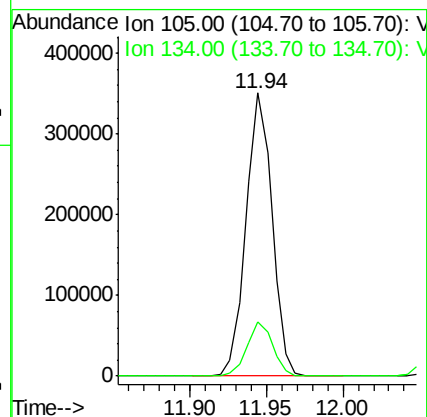
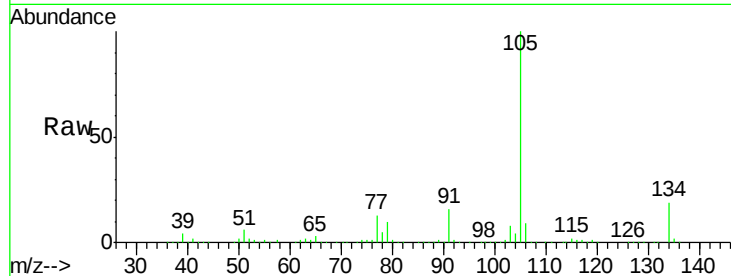
134 19.1 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.446 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

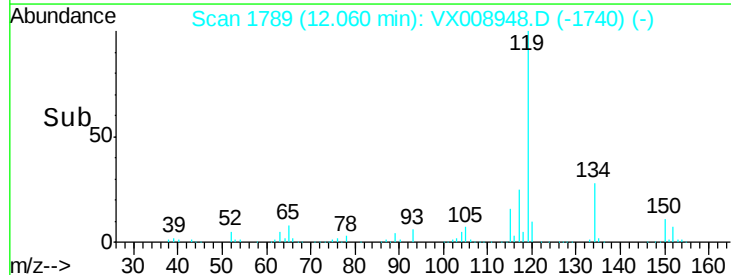
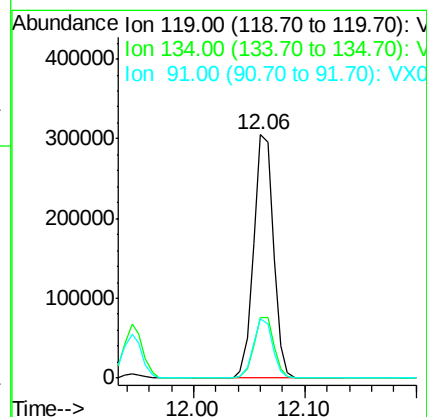
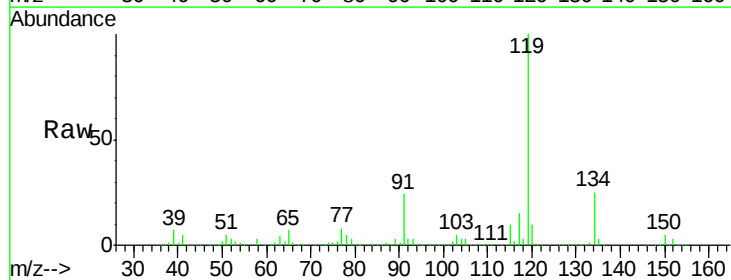
Tgt Ion:119 Resp: 375813

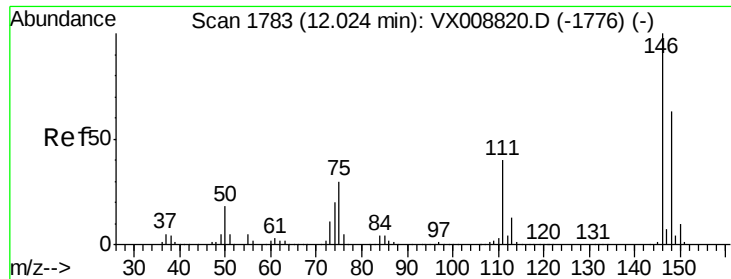
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 23.7 12.2 36.6





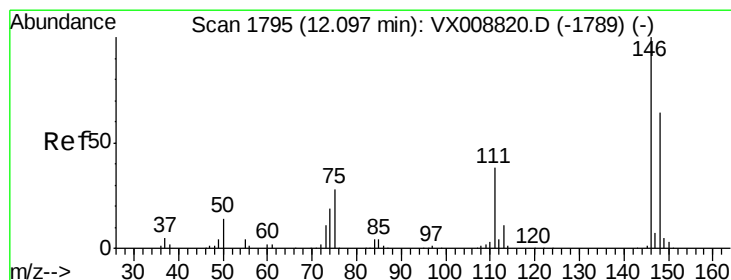
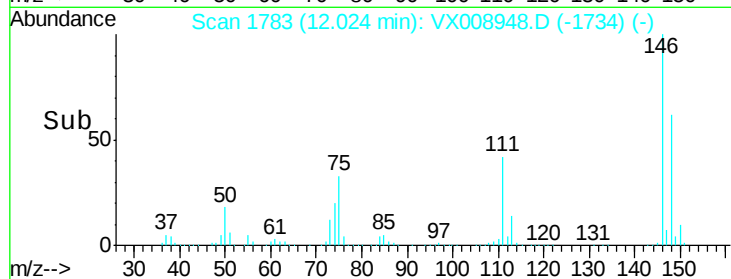
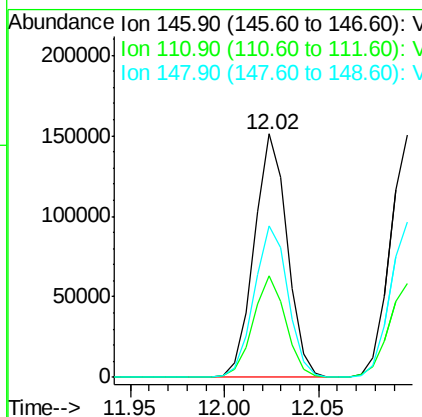
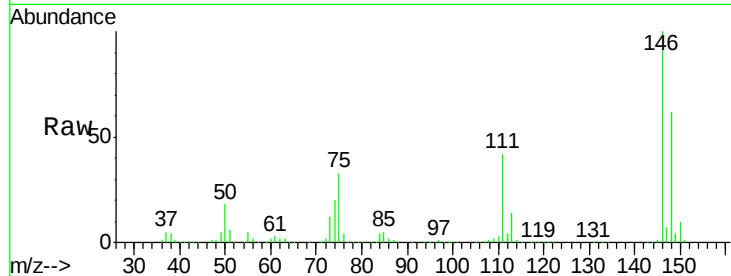
#87
 1,3-Dichlorobenzene
 Concen: 50.174 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	63.4	31.6	94.7

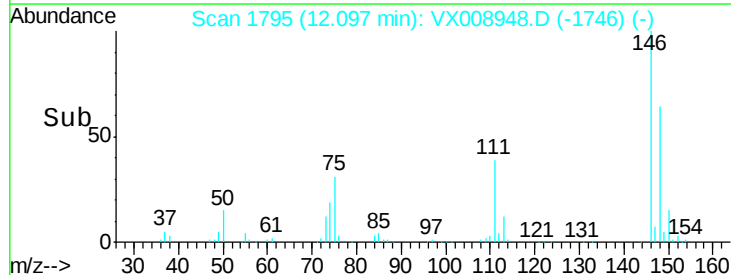
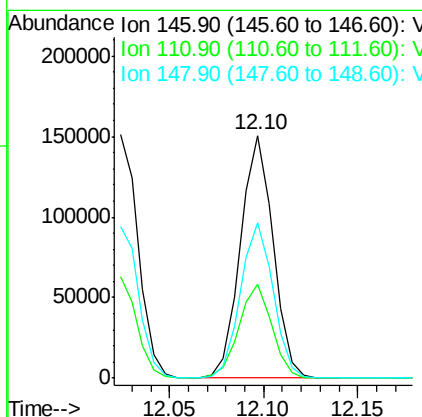
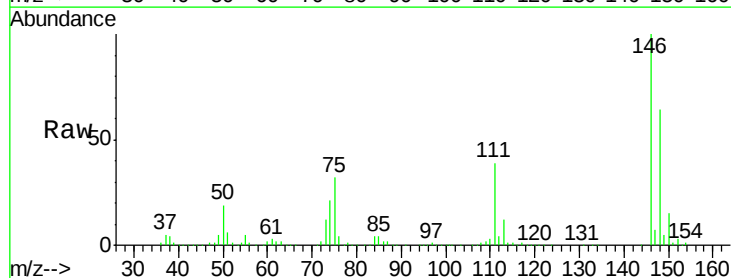
Manual Integrations
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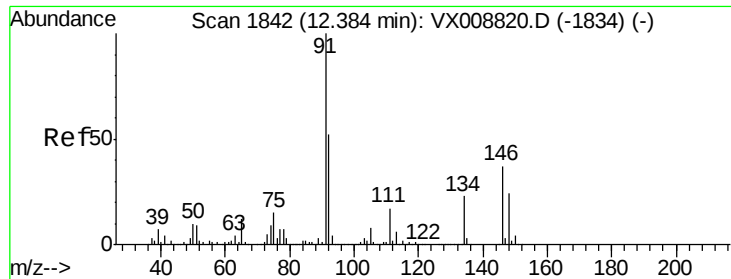
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#88
 1,4-Dichlorobenzene
 Concen: 48.946 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.2	60.6
148	64.2	32.0	96.0





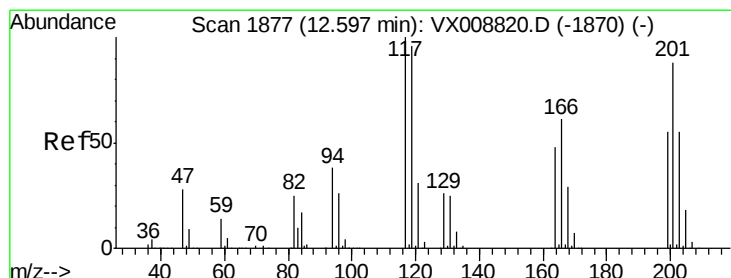
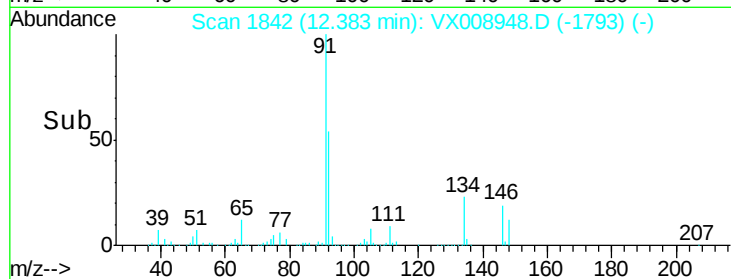
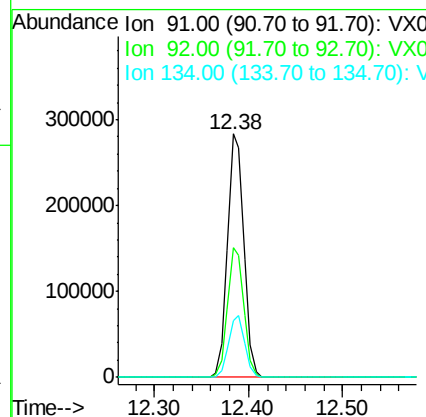
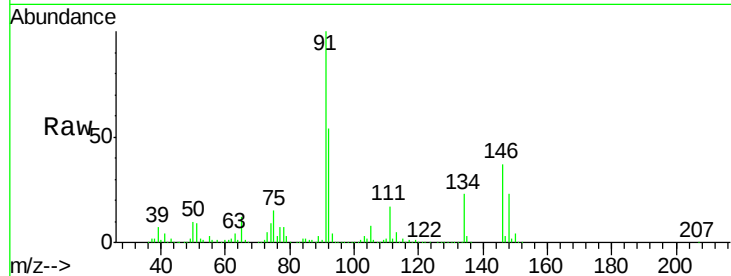
#89
n-Butylbenzene
Concen: 49.558 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.4	79.2
134	24.8	12.0	36.0

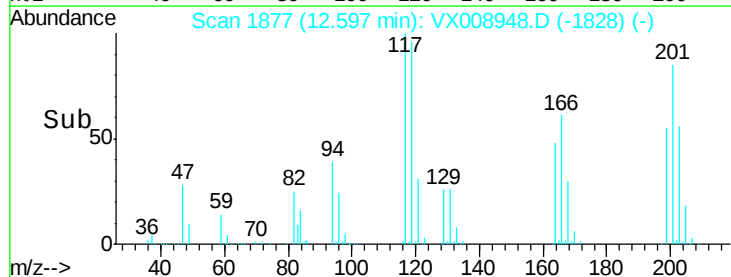
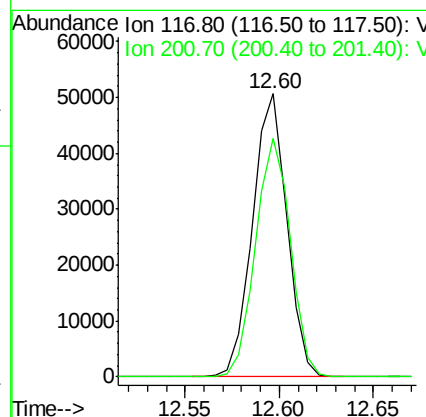
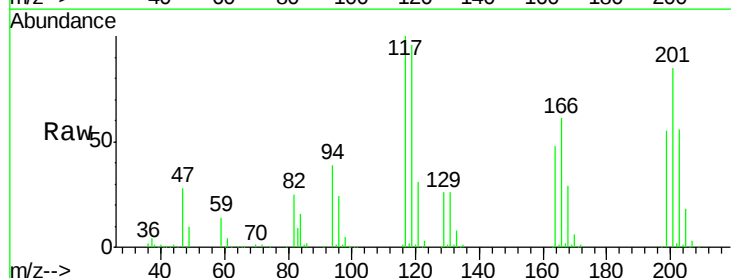
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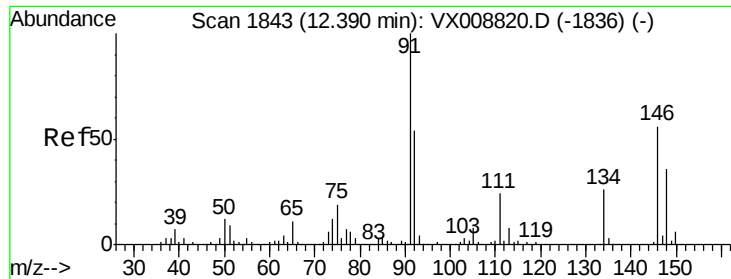
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#90
Hexachloroethane
Concen: 52.812 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008948.D
Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	40.6	122.0





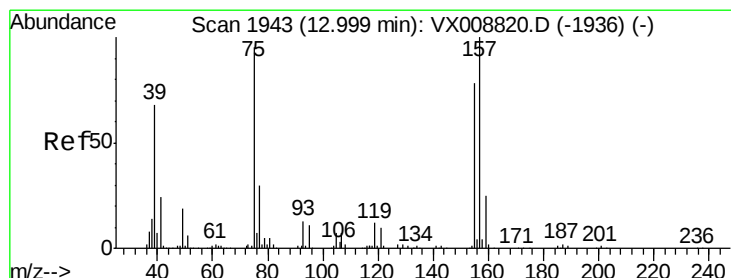
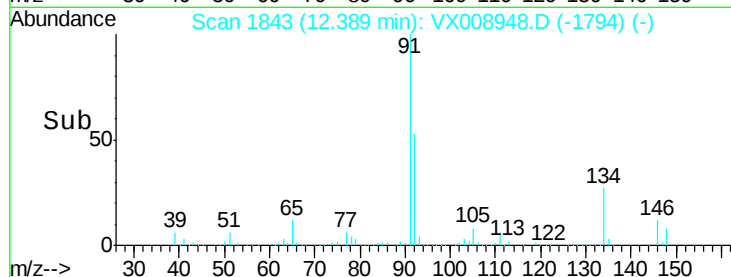
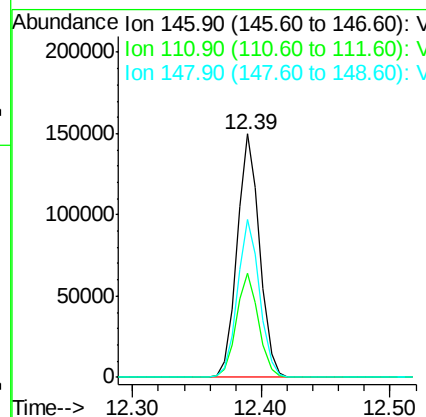
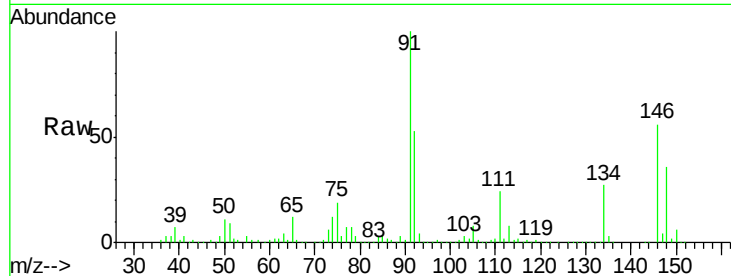
#91
 1,2-Dichlorobenzene
 Concen: 50.200 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181998		
111	42.2	21.3	63.9	
148	64.2	31.7	95.1	

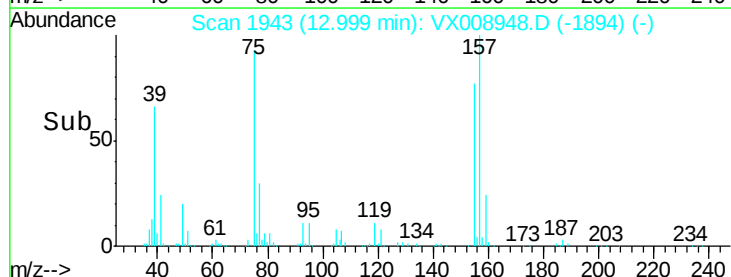
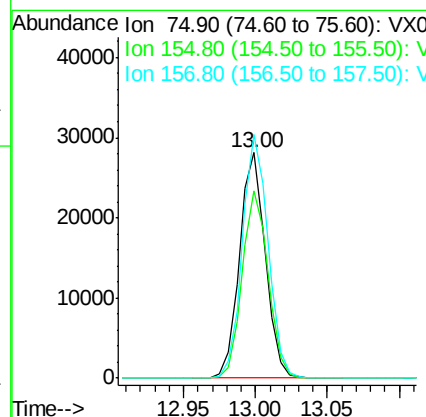
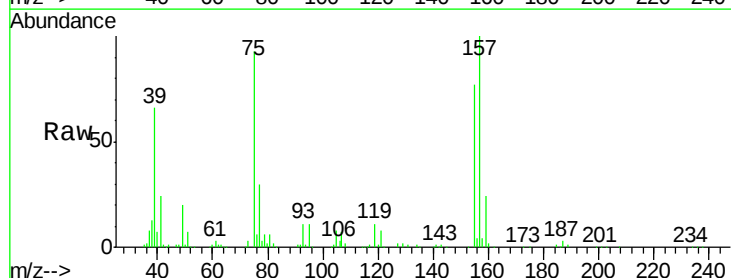
Manual Integrations
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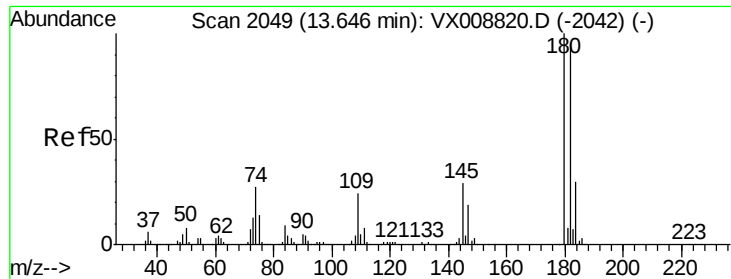
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.554 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35175		
155	82.8	39.9	119.6	
157	107.2	51.5	154.7	





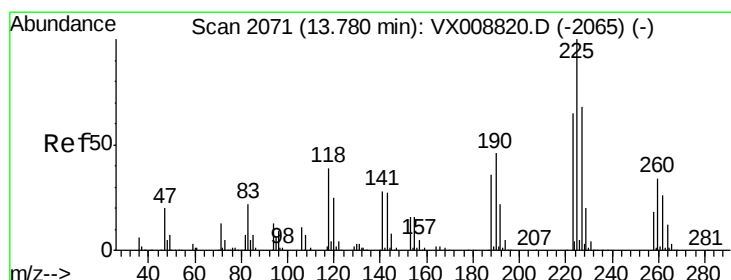
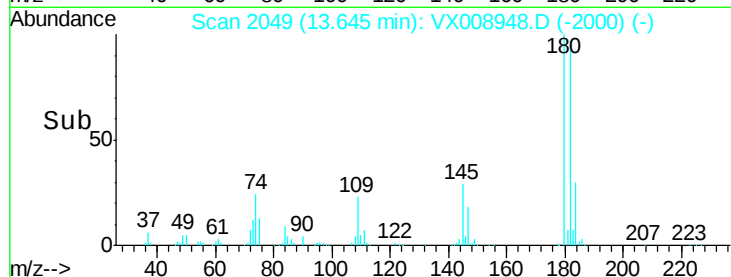
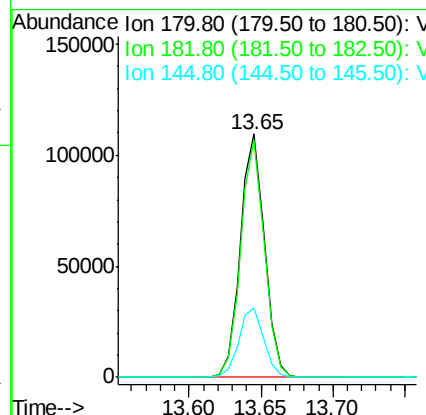
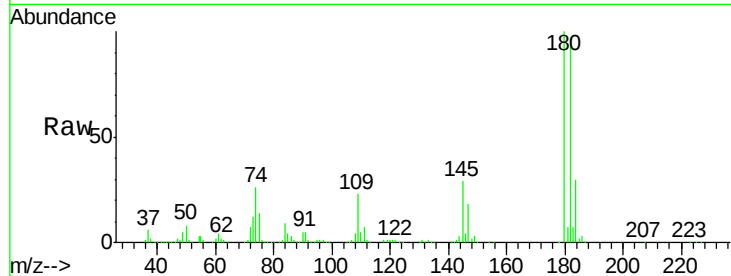
#93
 1,2,4-Trichlorobenzene
 Concen: 50.952 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	128438
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.2	141.6
145	29.3	15.3	45.9

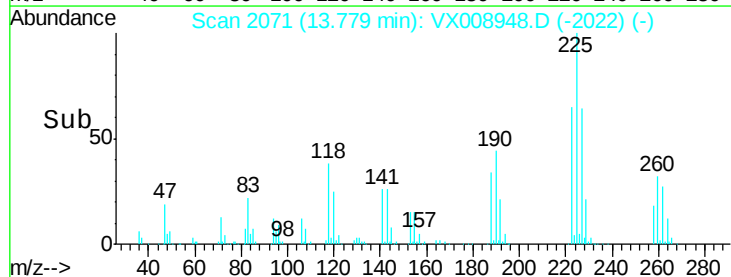
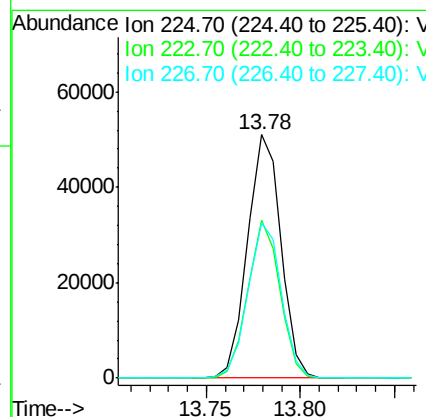
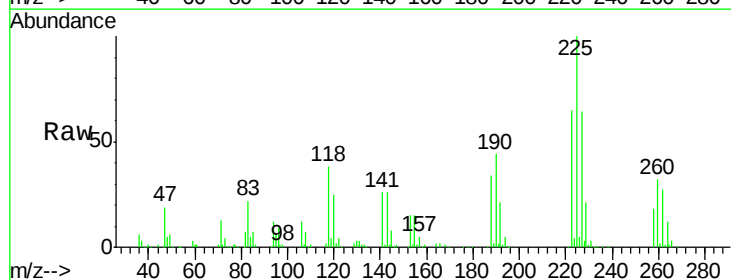
Manual Integrations
 APPROVED

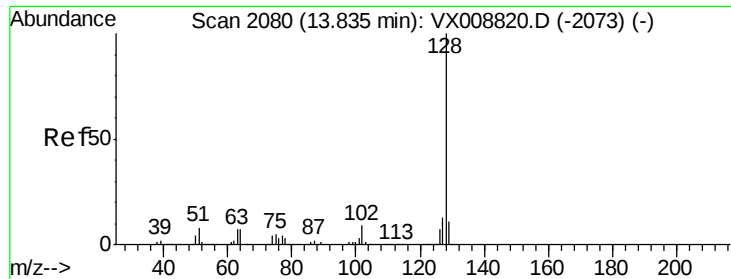
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 51.924 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008948.D
 Acq: 13 Apr 2019 21:36

Tgt Ion:	225	Resp:	62772
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.2	93.6
227	63.6	31.9	95.5





#95

Naphthalene

Concen: 51.515 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Instrument :

MSVOA_X

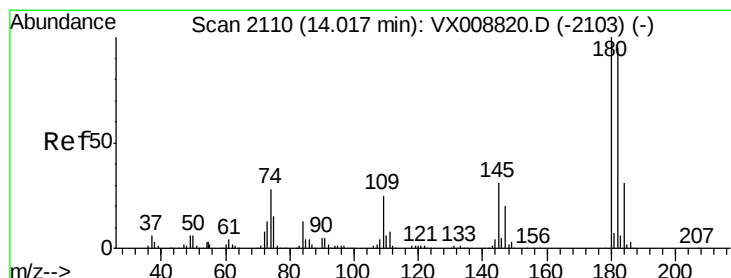
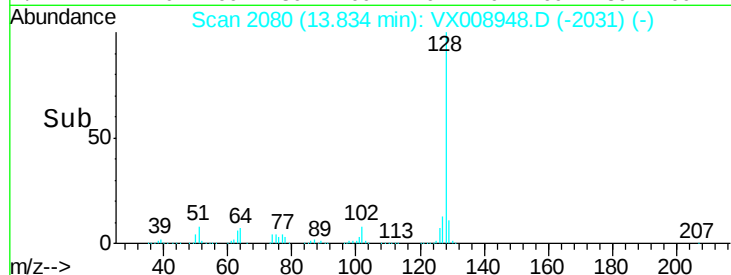
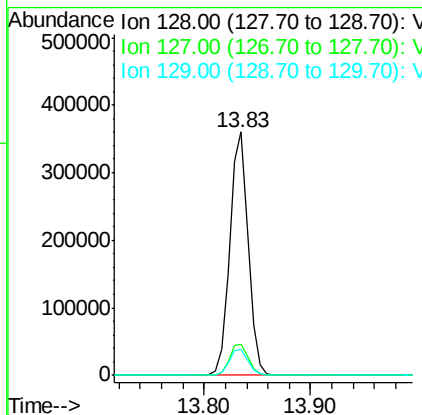
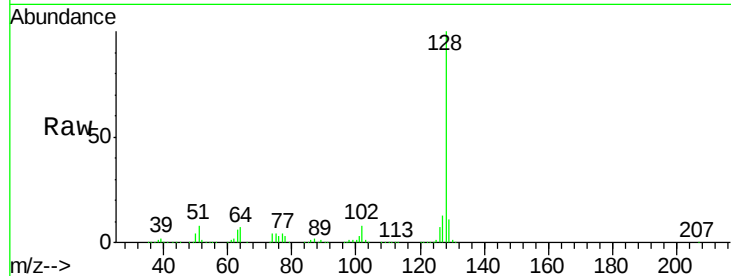
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	434006
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 51.691 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008948.D

Acq: 13 Apr 2019 21:36

Tgt Ion:	180	Resp:	130187
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.1	144.3
145	30.8	16.3	48.8

