

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011669.D
 Acq On : 20 Aug 2019 06:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 3:40:26 PM

Quant Time: Aug 20 14:08:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	289171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	466808	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	381717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	218498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	150163	56.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.00%	
35) Dibromofluoromethane	5.49	113	139093	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
50) Toluene-d8	8.71	98	440681	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
62) 4-Bromofluorobenzene	11.13	95	176723	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	176529	62.106	ug/l	98
3) Chloromethane	1.32	50	139564	47.275	ug/l	98
4) Vinyl Chloride	1.40	62	143794	53.920	ug/l	99
5) Bromomethane	1.63	94	71035	59.447	ug/l	98
6) Chloroethane	1.71	64	79746	63.182	ug/l	97
7) Trichlorofluoromethane	1.92	101	225647	61.088	ug/l	98
8) Diethyl Ether	2.18	74	76416	60.308	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	139928	54.845	ug/l	97
10) Methyl Iodide	2.50	142	209880	57.746	ug/l	100
11) Tert butyl alcohol	3.04	59	189046	287.351	ug/l	99
12) 1,1-Dichloroethene	2.37	96	138138	56.025	ug/l	96
13) Acrolein	2.29	56	46132	228.967	ug/l	92
14) Allyl chloride	2.72	41	229269	55.898	ug/l	98
15) Acrylonitrile	3.14	53	446198	296.335	ug/l	100
16) Acetone	2.43	43	388941	288.447	ug/l	98
17) Carbon Disulfide	2.56	76	324587	55.867	ug/l	100
18) Methyl Acetate	2.76	43	262909	62.869	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	495850	61.748	ug/l	98
20) Methylene Chloride	2.85	84	160466	56.679	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	152096	58.211	ug/l	99
22) Diisopropyl ether	3.85	45	494194	60.502	ug/l	99
23) Vinyl Acetate	3.81	43	1943442	300.461	ug/l	100
24) 1,1-Dichloroethane	3.69	63	273305	59.180	ug/l	98
25) 2-Butanone	4.67	43	619535	292.665	ug/l	97
26) 2,2-Dichloropropane	4.58	77	129119	37.147	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	180567	59.281	ug/l	96
28) Bromochloromethane	5.01	49	111966	55.228	ug/l	99
29) Tetrahydrofuran	5.12	42	388344	279.665	ug/l	98
30) Chloroform	5.20	83	290396	59.583	ug/l	98
31) Cyclohexane	5.57	56	226827	57.046	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	256144	61.121	ug/l	99
36) 1,1-Dichloropropene	5.79	75	196530	49.241	ug/l	99
37) Ethyl Acetate	4.82	43	228680	49.815	ug/l	100
38) Carbon Tetrachloride	5.77	117	226176	51.437	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	240045	48.703	ug/l	99
40) Benzene	6.13	78	576396	46.473	ug/l	99
41) Methacrylonitrile	5.03	41	129701	51.336	ug/l	98
42) 1,2-Dichloroethane	6.19	62	227324	52.901	ug/l	97
43) Isopropyl Acetate	6.44	43	361220	50.421	ug/l	99
44) Trichloroethene	7.21	130	187842	51.053	ug/l	99
45) 1,2-Dichloropropane	7.51	63	161284	52.142	ug/l	95
46) Dibromomethane	7.66	93	113973	50.705	ug/l	99
47) Bromodichloromethane	7.90	83	215906	52.313	ug/l	98
48) Methyl methacrylate	7.77	41	186431	52.549	ug/l	100
49) 1,4-Dioxane	7.73	88	93443	990.252	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1190173	253.810	ug/l	99
52) Toluene	8.78	92	365267	46.226	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	199248	46.517	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	234169	49.955	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	155870	46.387	ug/l	98
56) Ethyl methacrylate	9.18	69	237858	48.703	ug/l	96
57) 1,3-Dichloropropane	9.37	76	251459	47.078	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	601503	247.182	ug/l	98
59) 2-Hexanone	9.49	43	859984	237.819	ug/l	99
60) Dibromochloromethane	9.58	129	176102	50.301	ug/l	99
61) 1,2-Dibromoethane	9.67	107	168104	46.876	ug/l	99
64) Tetrachloroethene	9.34	164	162122	51.764	ug/l	98
65) Chlorobenzene	10.13	112	416524	51.160	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	162901	53.532	ug/l	99
67) Ethyl Benzene	10.25	91	721170	53.075	ug/l	98
68) m/p-Xylenes	10.35	106	547721	105.015	ug/l	95
69) o-Xylene	10.69	106	270578	52.962	ug/l	100
70) Styrene	10.71	104	464138	53.966	ug/l	98
71) Bromoform	10.85	173	139234	47.275	ug/l #	98
73) Isopropylbenzene	11.02	105	728749	51.400	ug/l	99
74) N-amyl acetate	10.90	43	309346	51.342	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	250405	51.341	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	214637m	51.804	ug/l	
77) Bromobenzene	11.25	156	207864	49.278	ug/l	95
78) n-propylbenzene	11.36	91	817936	53.501	ug/l	98
79) 2-Chlorotoluene	11.42	91	508264	54.141	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	649117	54.502	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	62089	41.439	ug/l	94
82) 4-Chlorotoluene	11.51	91	587006	53.897	ug/l	97
83) tert-Butylbenzene	11.77	119	640171	52.775	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	672939	56.281	ug/l	99
85) sec-Butylbenzene	11.94	105	731604	53.458	ug/l	99
86) p-Isopropyltoluene	12.06	119	699124	54.301	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	380174	52.434	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	371299	50.526	ug/l	99
89) n-Butylbenzene	12.38	91	569762	53.827	ug/l	99
90) Hexachloroethane	12.59	117	115425	56.771	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	394546	54.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	61106	54.763	ug/l	98

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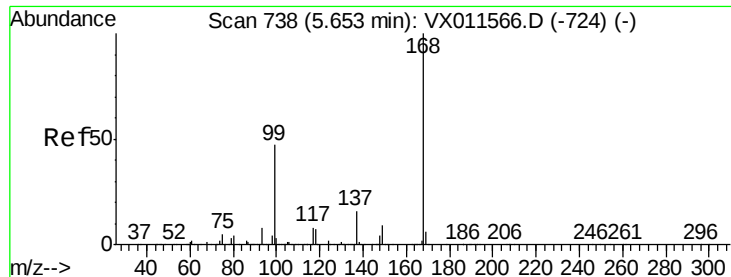
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	303166	55.903	ug/l	99
94) Hexachlorobutadiene	13.78	225	153122	51.854	ug/l	99
95) Naphthalene	13.83	128	905674	59.074	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	314580	57.512	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 289171

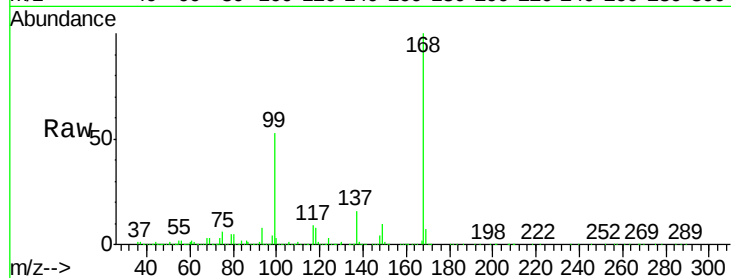
Ion Ratio Lower Upper

168 100

99 53.0 37.3 55.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

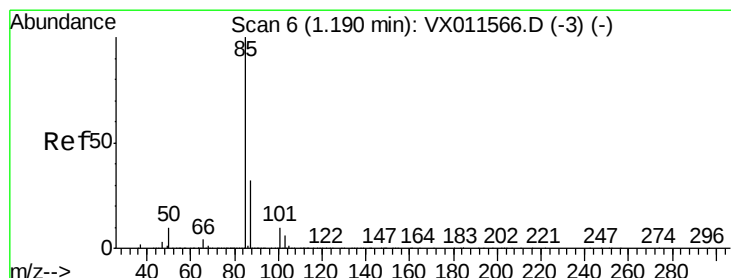
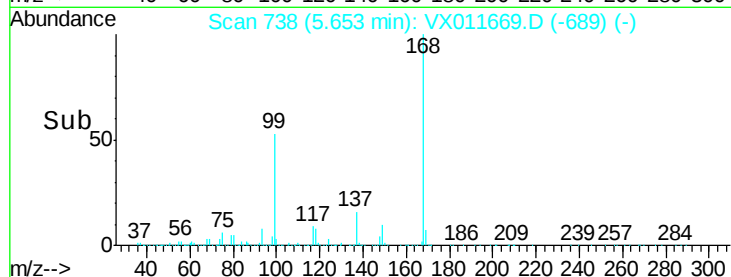
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 62.106 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011669.D

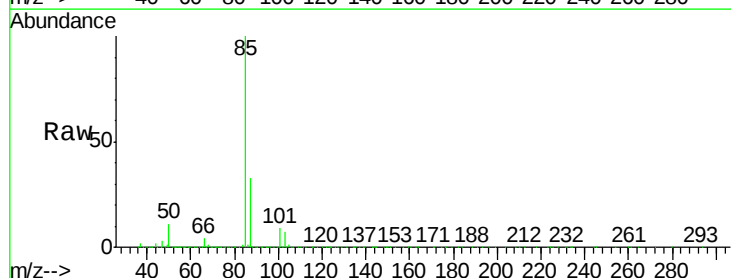
Acq: 20 Aug 2019 06:35

Tgt Ion: 85 Resp: 176529

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200000

150000

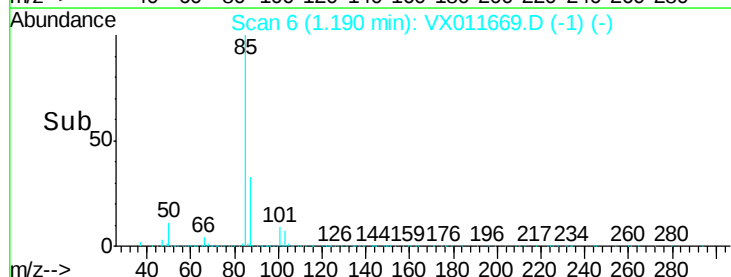
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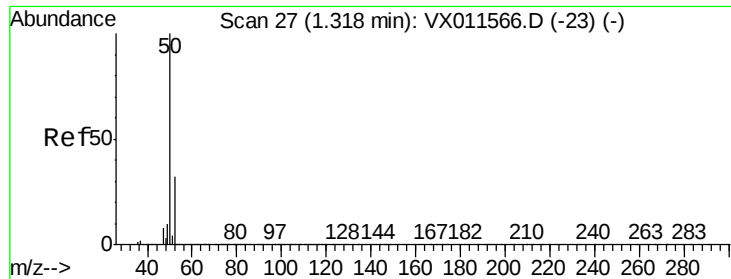
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.275 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 139564

Ion Ratio Lower Upper

50 100

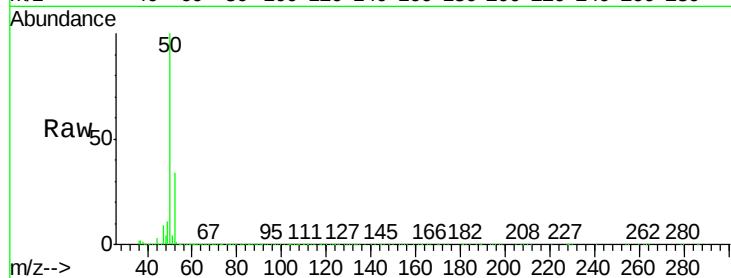
52 33.6 26.0 39.0

Manual Integrations

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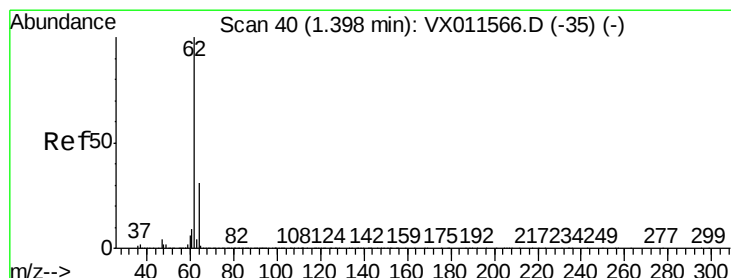
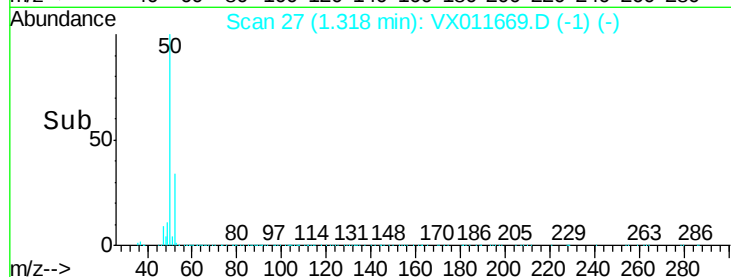
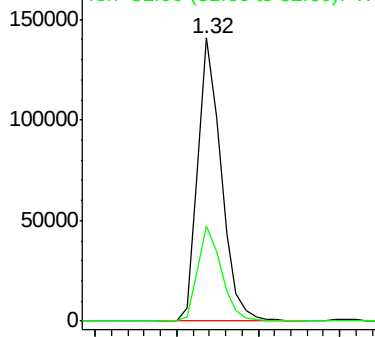
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.920 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011669.D

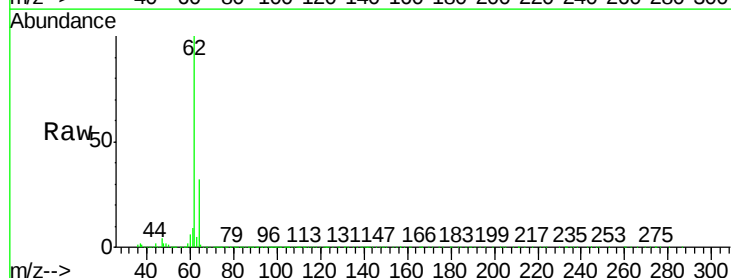
Acq: 20 Aug 2019 06:35

Tgt Ion: 62 Resp: 143794

Ion Ratio Lower Upper

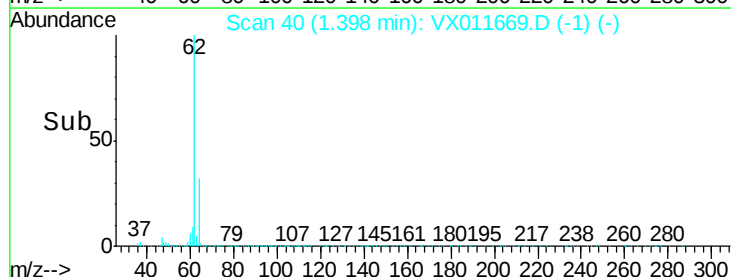
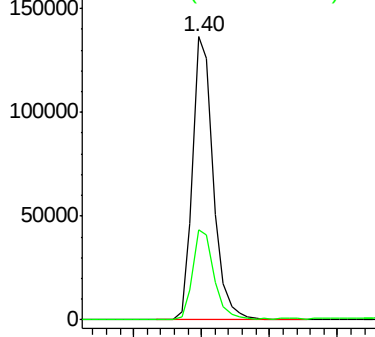
62 100

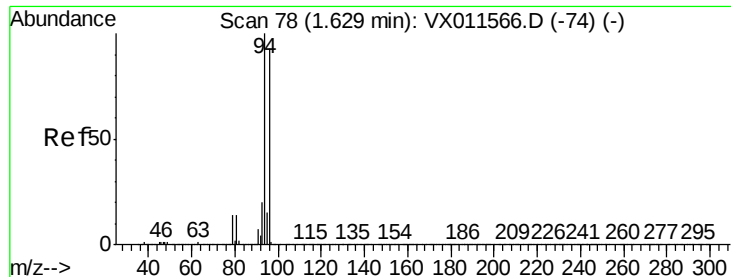
64 31.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 59.447 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tot Ion: 94 Resp: 71035

Ion Ratio Lower Upper

94 100

96 95.0 74.8 112.2

Instrument :

MSVOA_X

ClientSampleId :

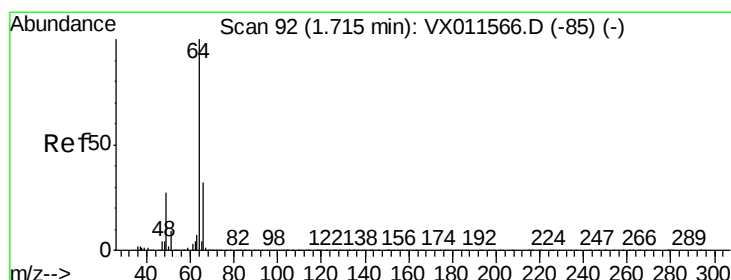
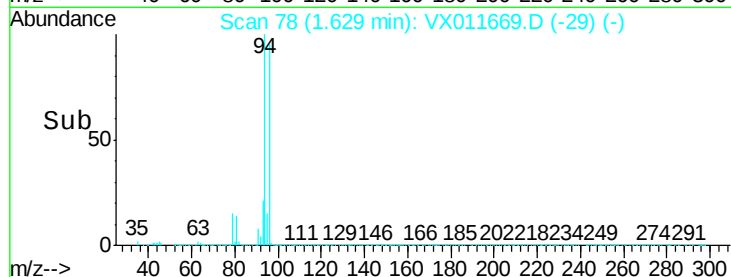
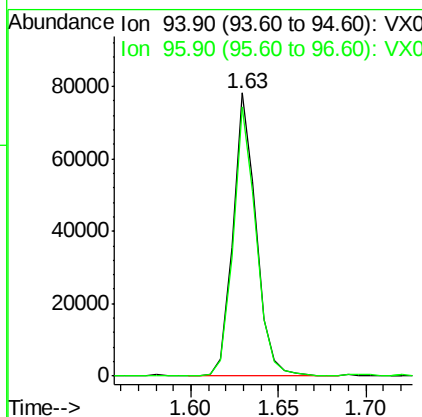
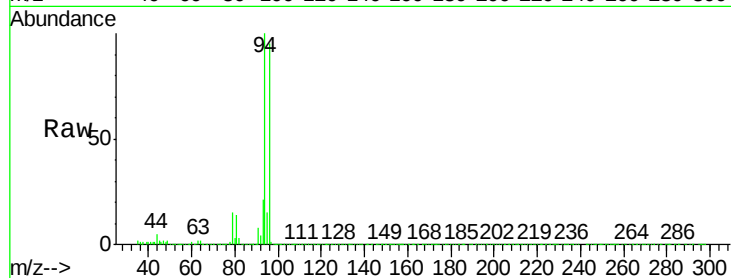
VSTDCCC050EC

Manual Integrations

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#6

Chloroethane

Concen: 63.182 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011669.D

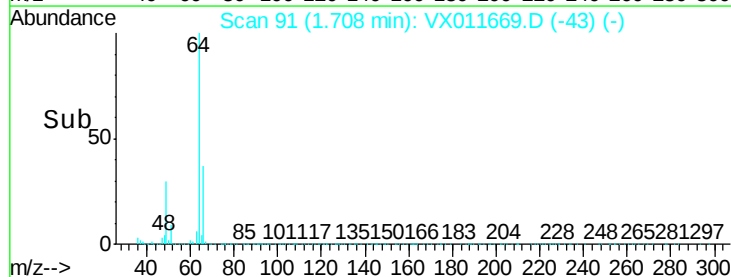
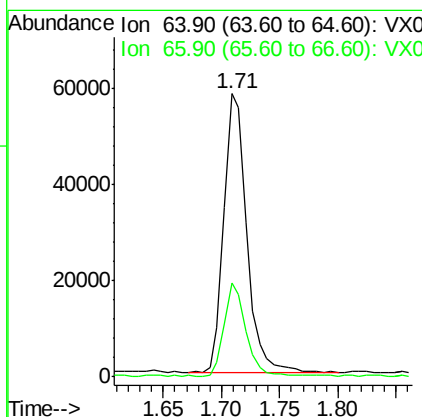
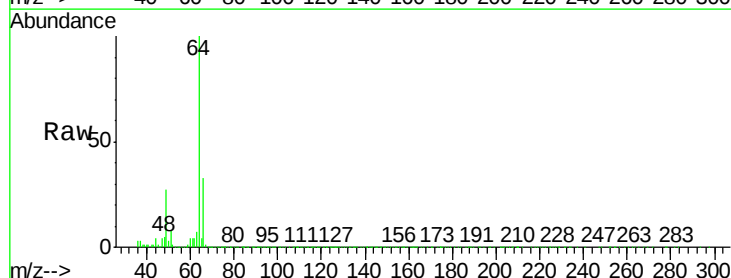
Acq: 20 Aug 2019 06:35

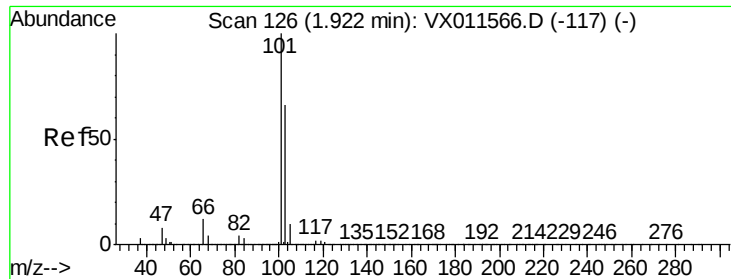
Tgt Ion: 64 Resp: 79746

Ion Ratio Lower Upper

64 100

66 33.3 25.3 37.9





#7

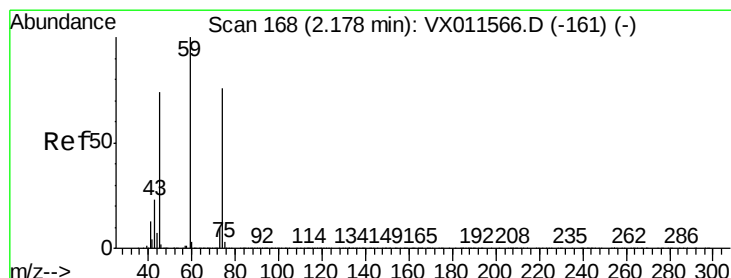
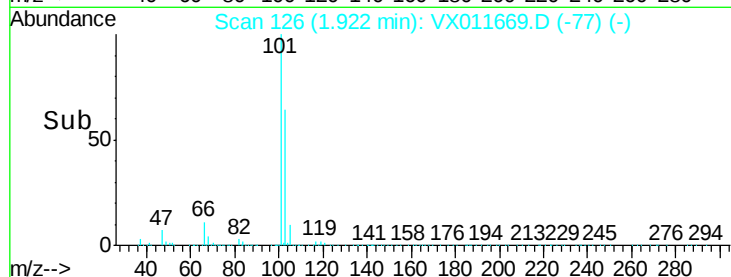
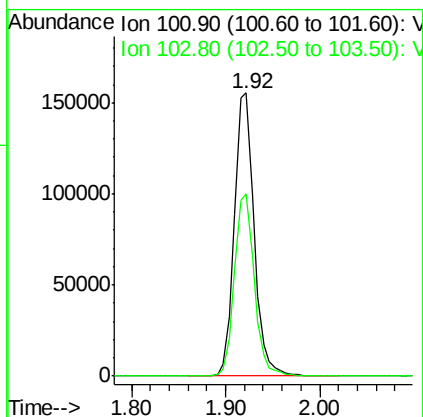
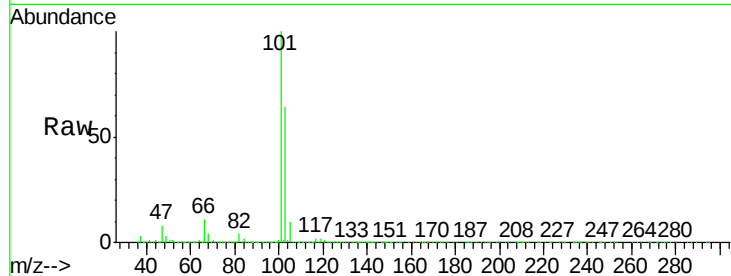
Trichlorofluoromethane
Concen: 61.088 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.9	79.3

Manual Integrations
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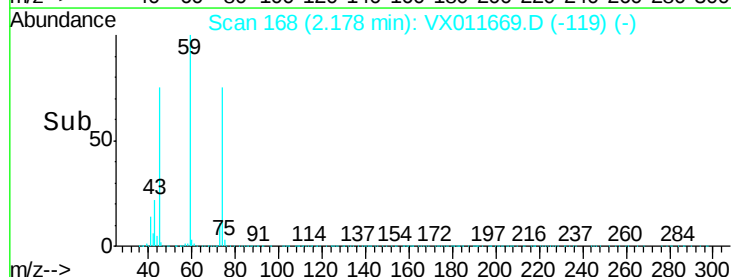
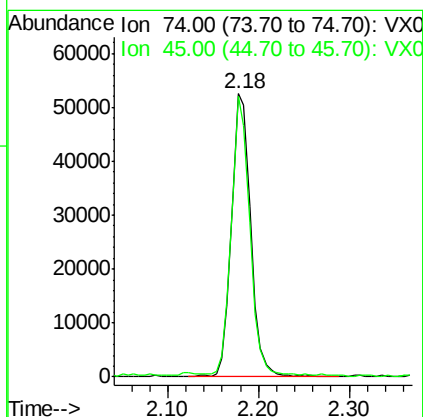
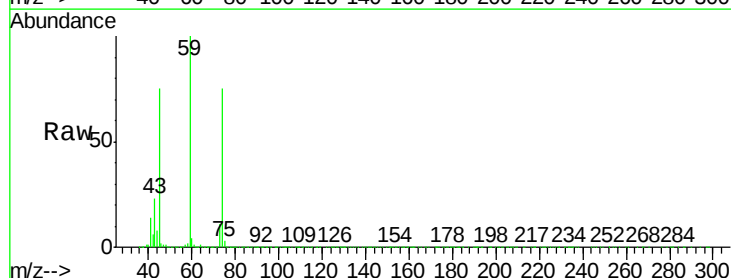
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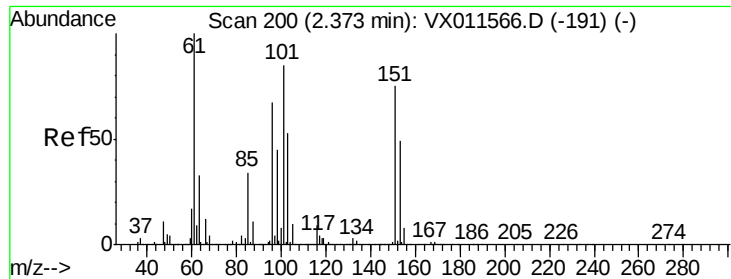


#8

Diethyl Ether
Concen: 60.308 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.845 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

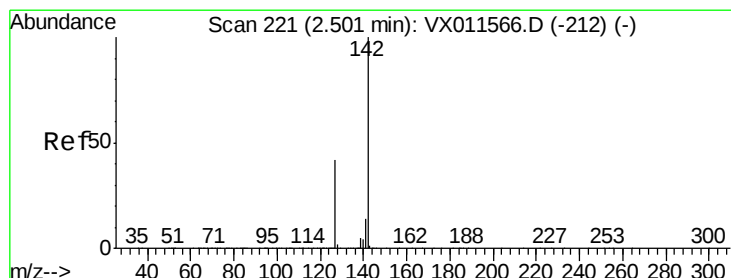
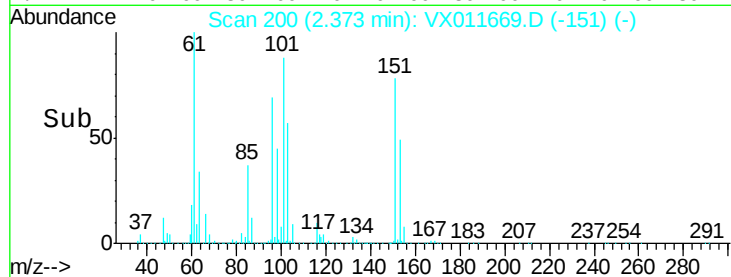
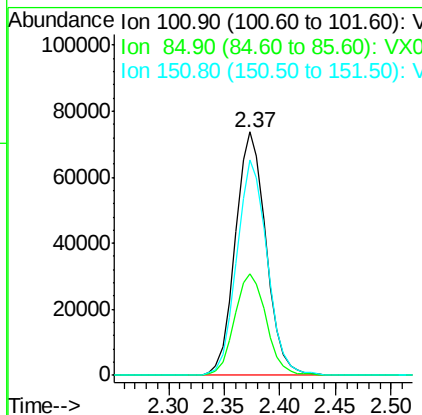
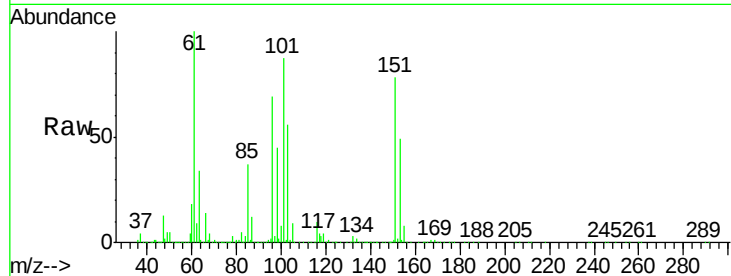
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	139928
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.0	49.4
151	88.8	73.3	109.9

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#10

Methyl Iodide

Concen: 57.746 ug/l

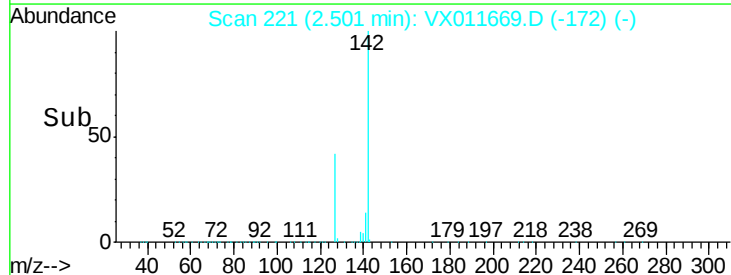
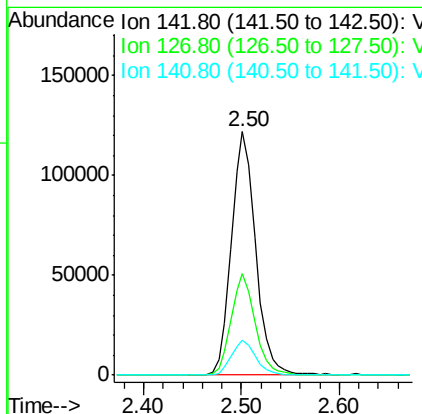
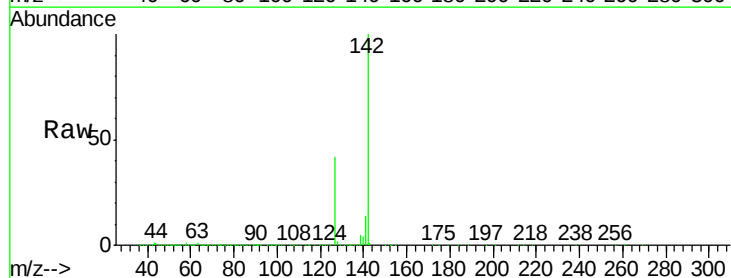
RT: 2.50 min Scan# 221

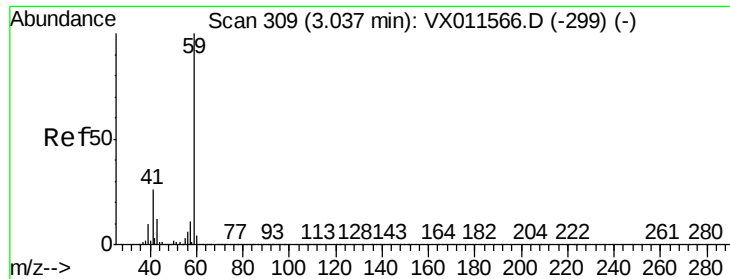
Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tgt Ion:	142	Resp:	209880
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.8	49.2
141	14.3	11.4	17.2





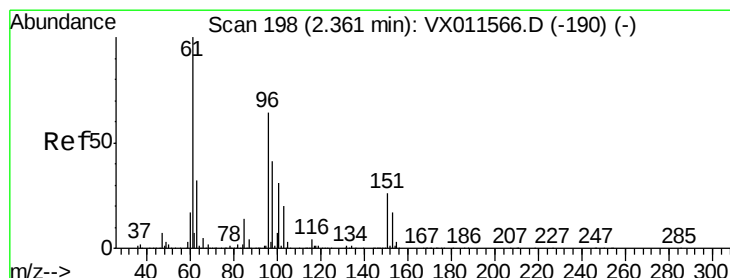
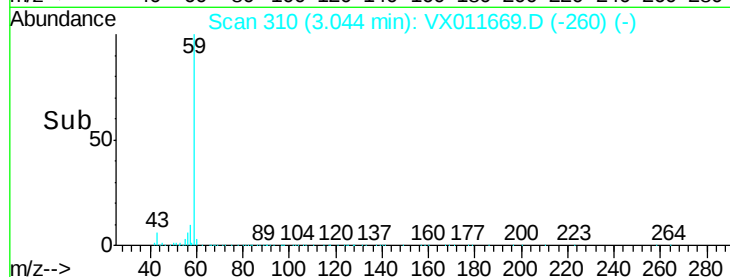
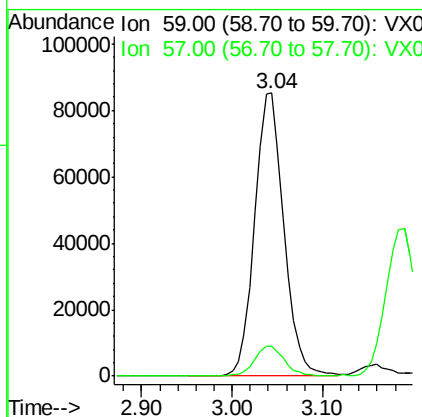
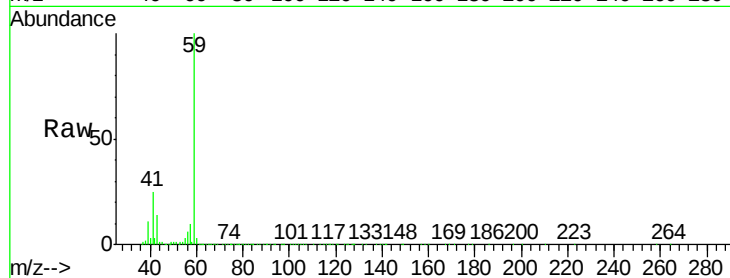
#11
Tert butyl alcohol
Concen: 287.351 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 189046
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1

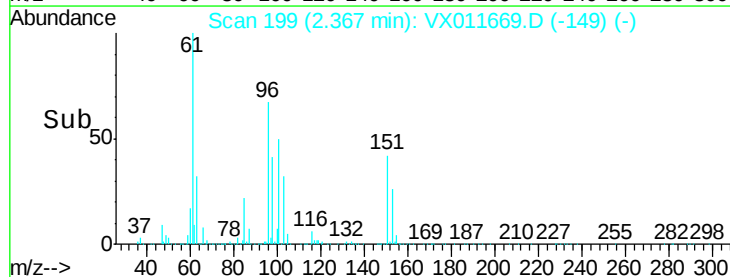
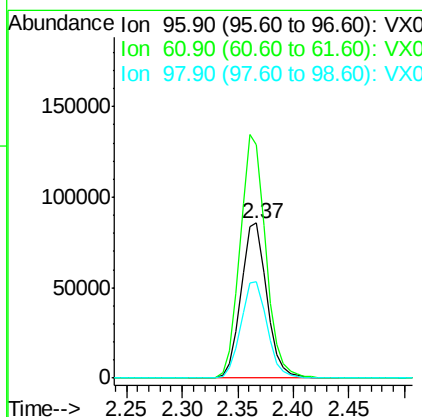
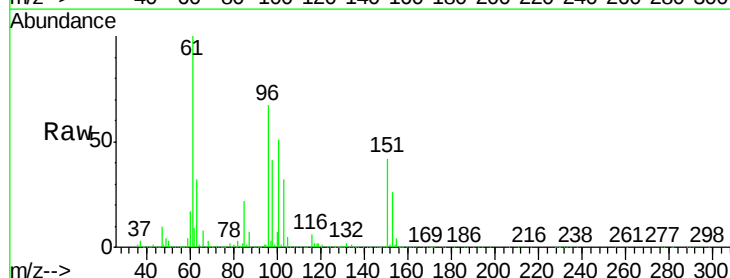
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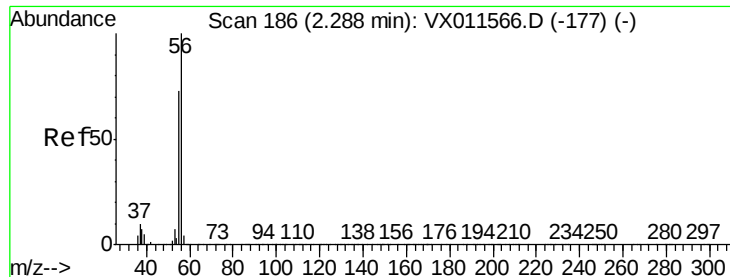
MMDadoda
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#12
1,1-Dichloroethene
Concen: 56.025 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion: 96 Resp: 138138
Ion Ratio Lower Upper
96 100
61 150.1 125.0 187.4
98 62.2 51.5 77.3





#13

Acrolein

Concen: 228.967 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 46132

Ion Ratio Lower Upper

56 100

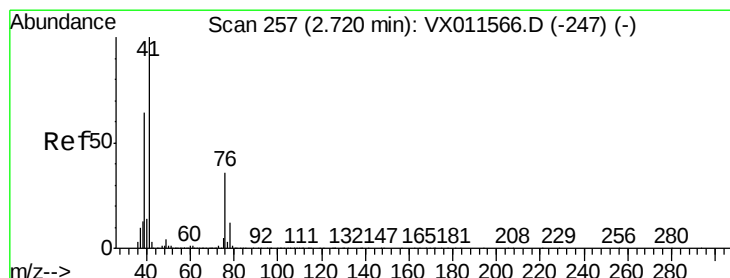
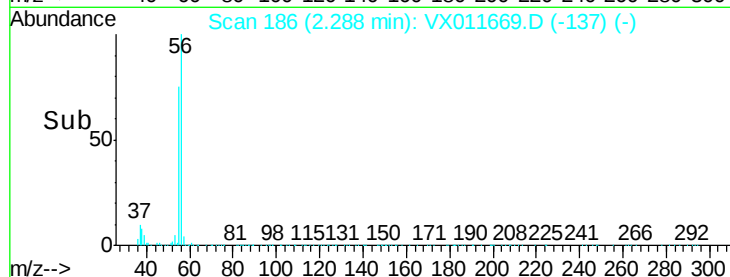
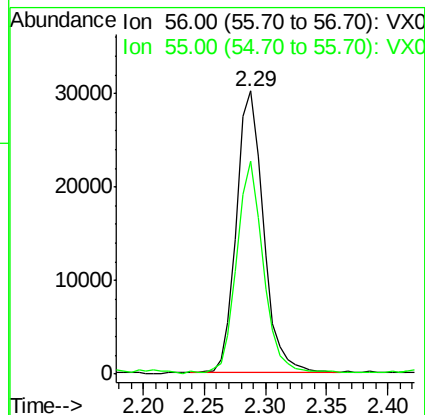
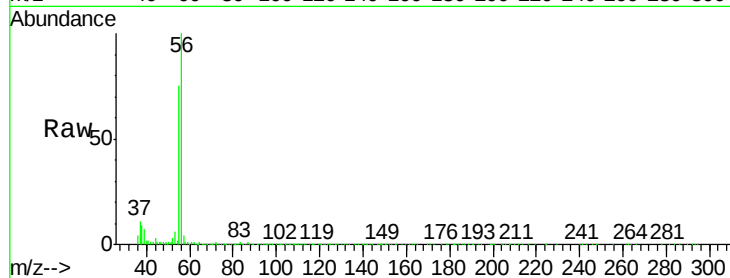
55 76.2 55.5 83.3

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#14

Allyl chloride

Concen: 55.898 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

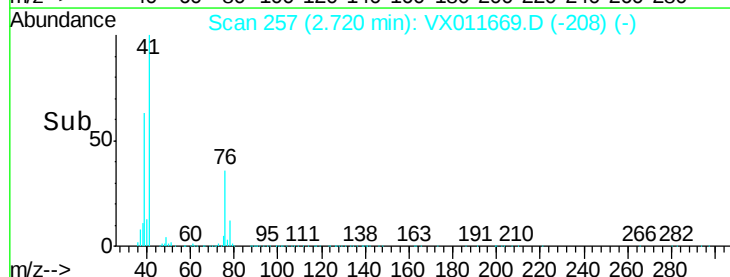
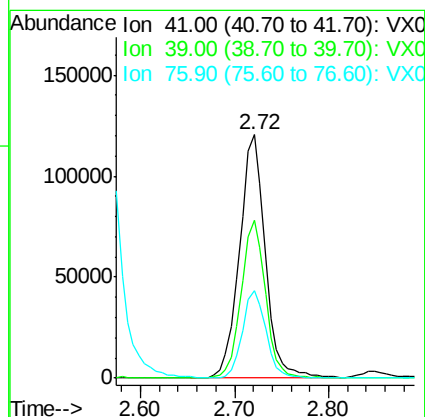
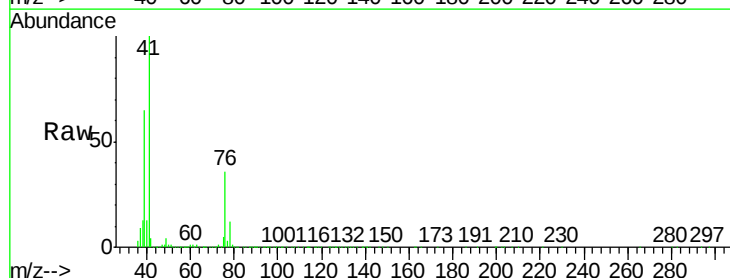
Tgt Ion: 41 Resp: 229269

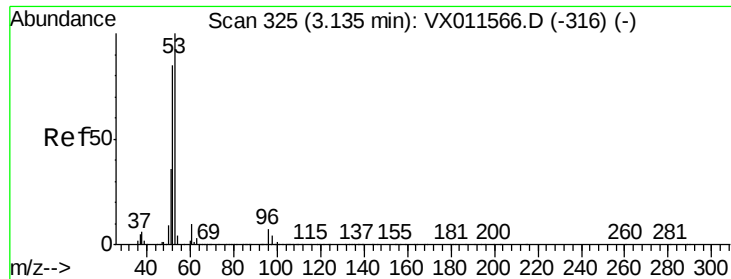
Ion Ratio Lower Upper

41 100

39 61.1 47.5 71.3

76 32.7 26.3 39.5





#15

Acrylonitrile

Concen: 296.335 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

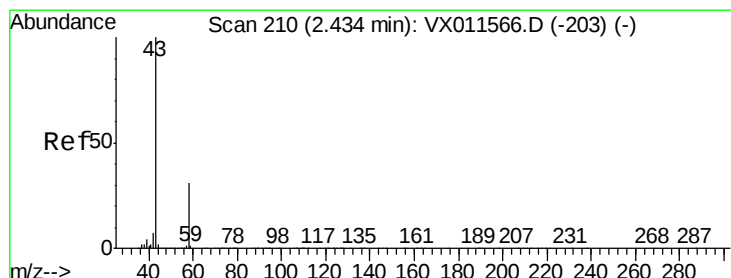
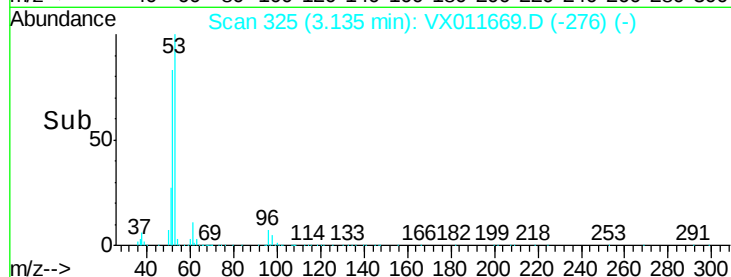
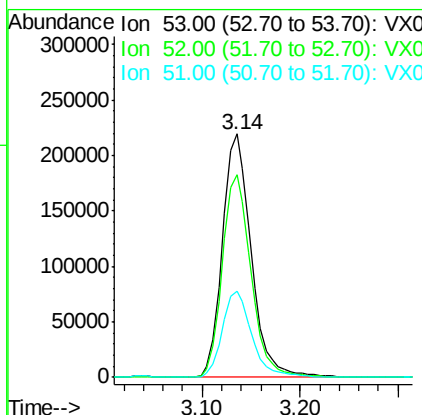
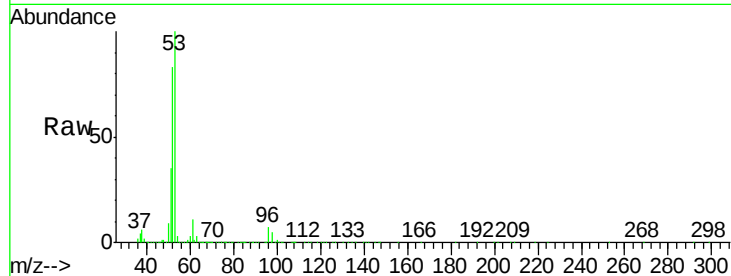
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	446198
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.7	100.1
51	36.1	28.7	43.1

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#16

Acetone

Concen: 288.447 ug/l

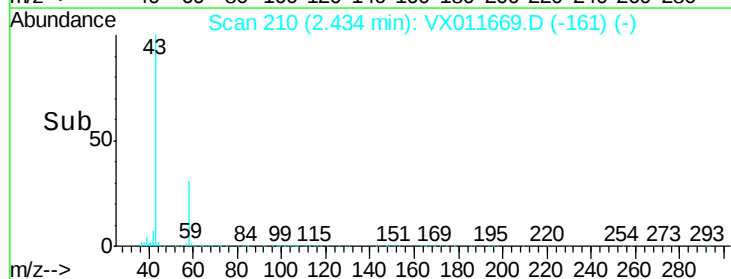
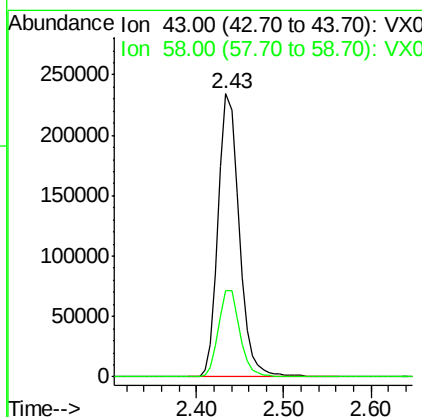
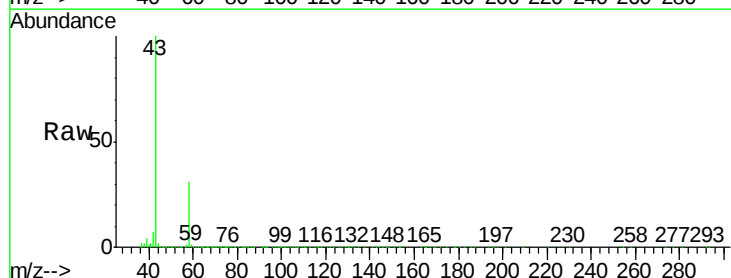
RT: 2.43 min Scan# 210

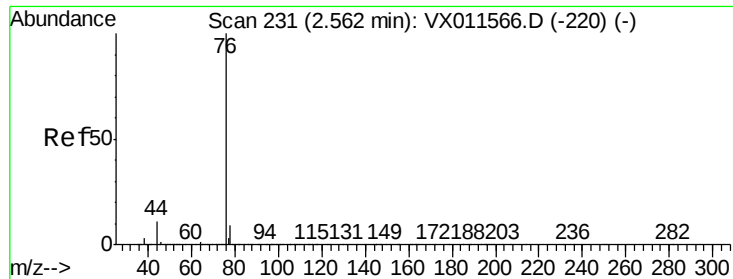
Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tgt Ion:	43	Resp:	388941
Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.2	37.8





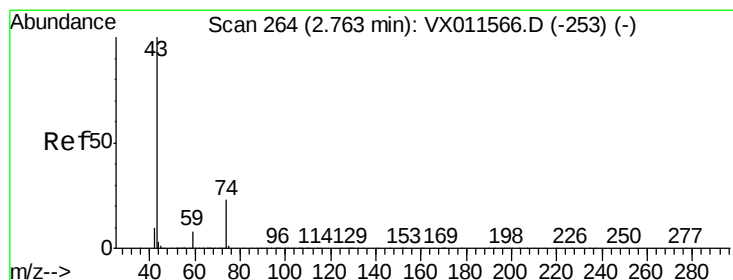
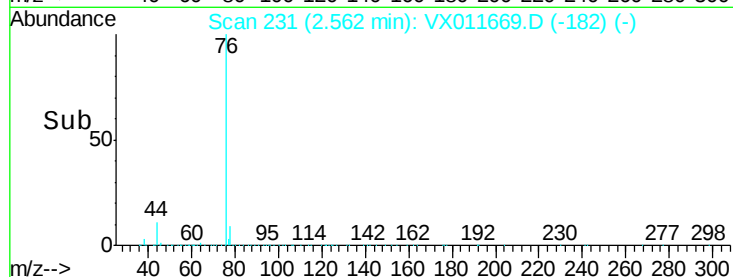
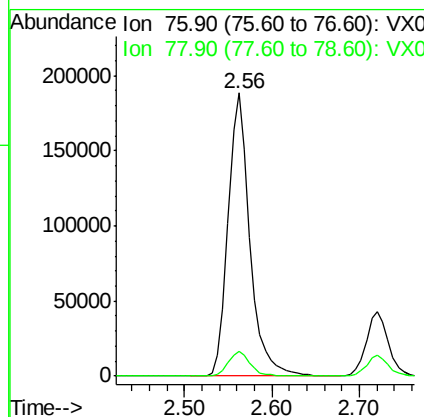
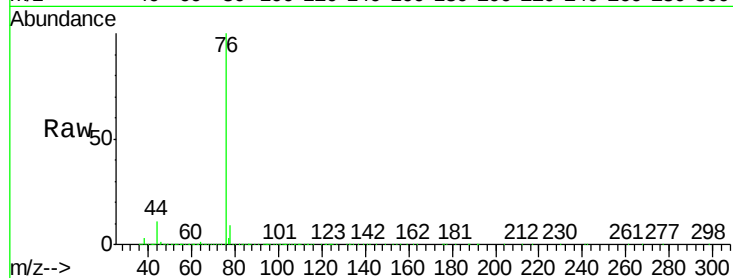
#17
Carbon Disulfide
Concen: 55.867 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

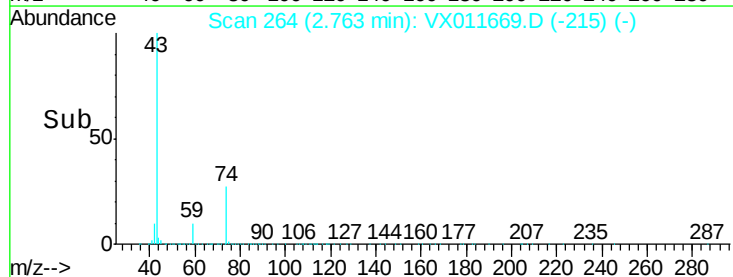
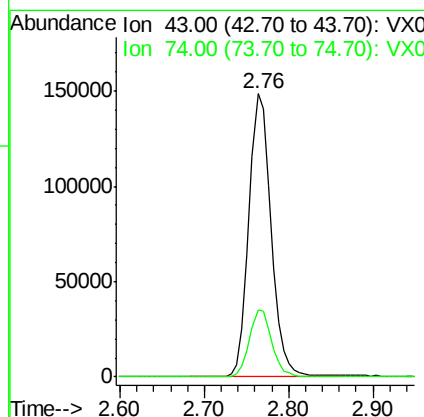
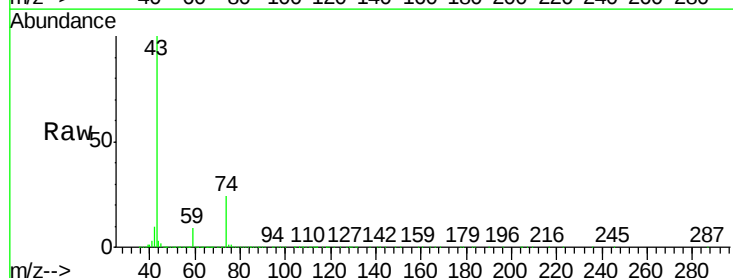
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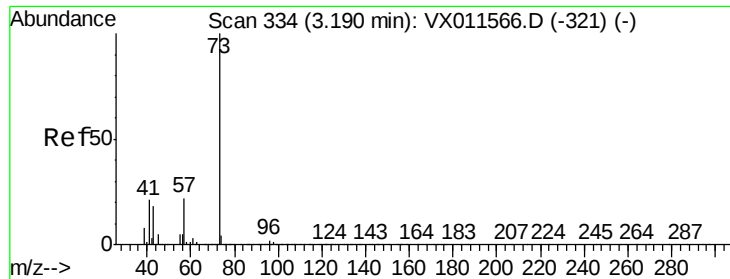
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#18
Methyl Acetate
Concen: 62.869 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.7	29.5





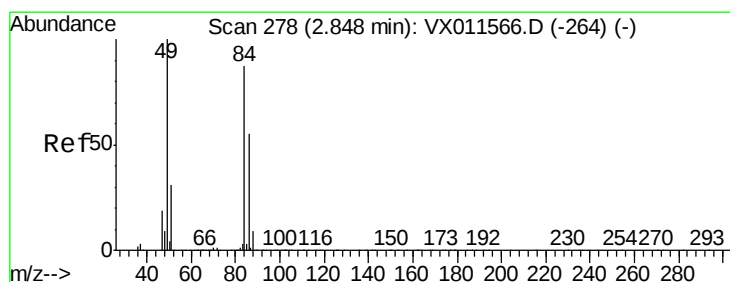
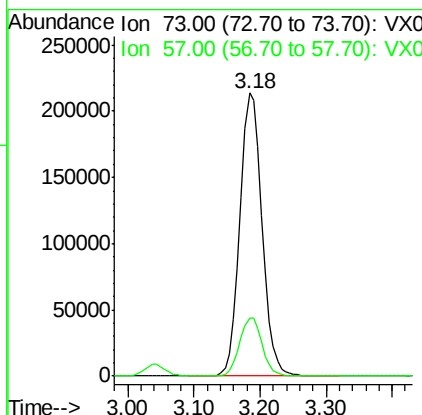
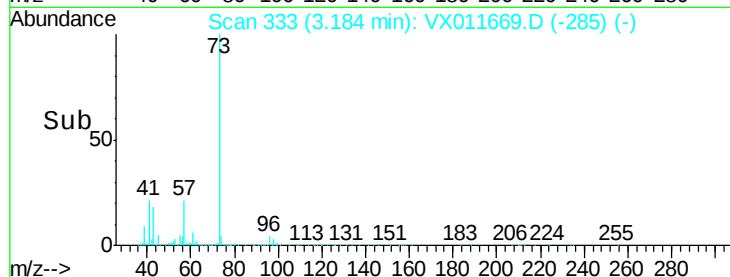
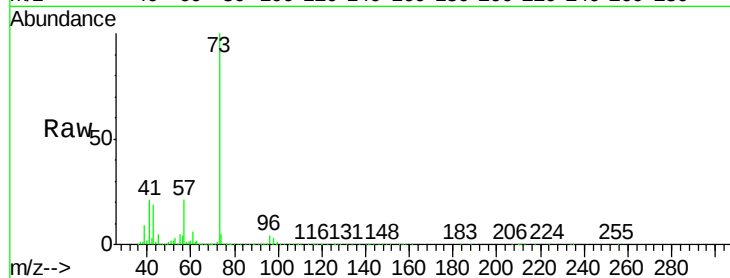
#19
Methvl tert-butvl Ether
Concen: 61.748 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.2	25.8

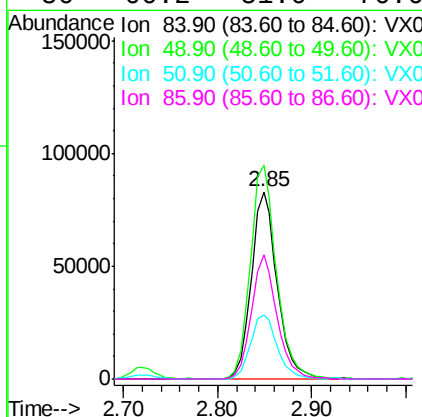
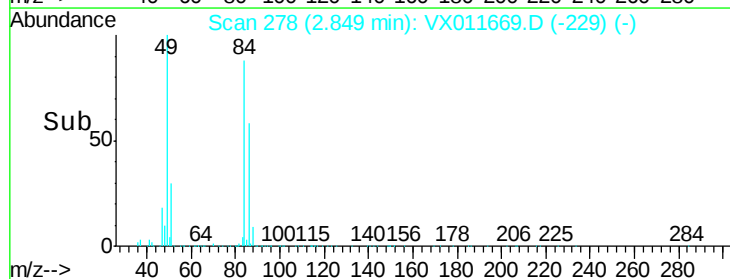
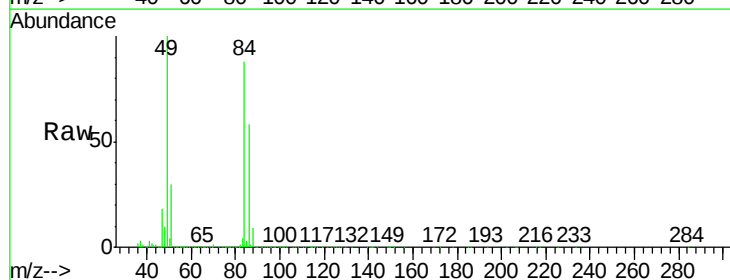
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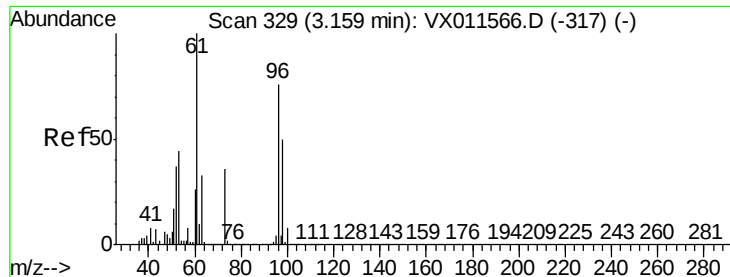
MMDadoda
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#20
Methylene Chloride
Concen: 56.679 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.8	92.4	138.6
51	34.1	28.5	42.7
86	66.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 58.211 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

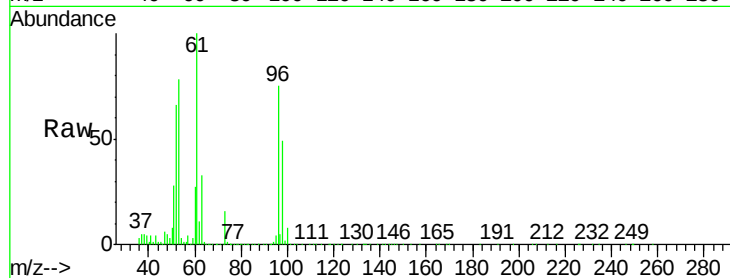
ClientSampleId :

VSTDCCC050EC

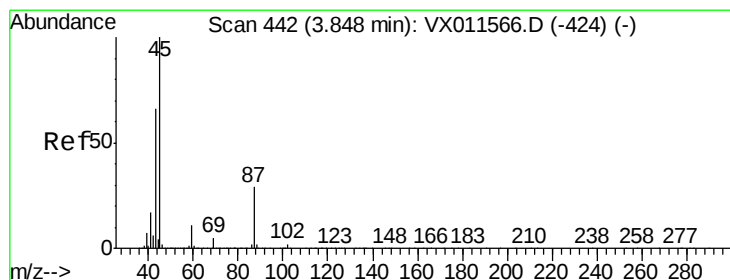
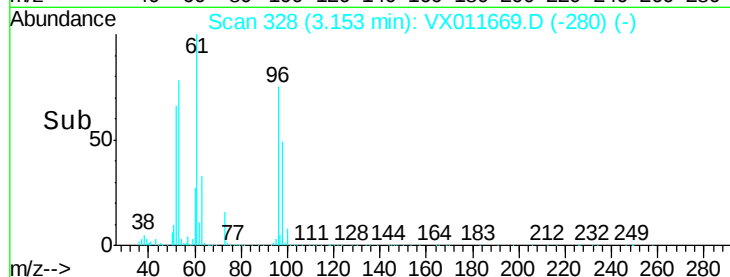
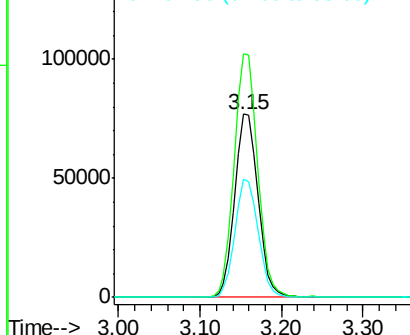
Tot Ion:	96	Resp:	152096
Ion	Ratio	Lower	Upper
96	100		
61	132.7	105.5	158.3
98	64.5	52.6	78.8

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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: 60.502 ug/l

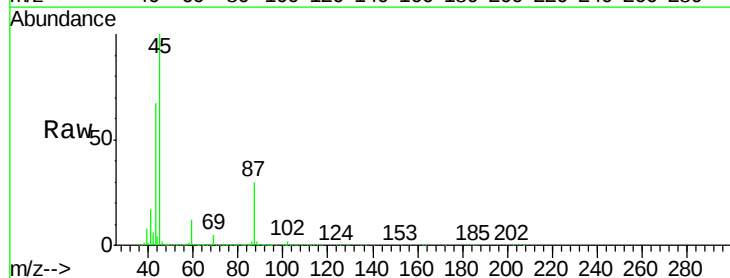
RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

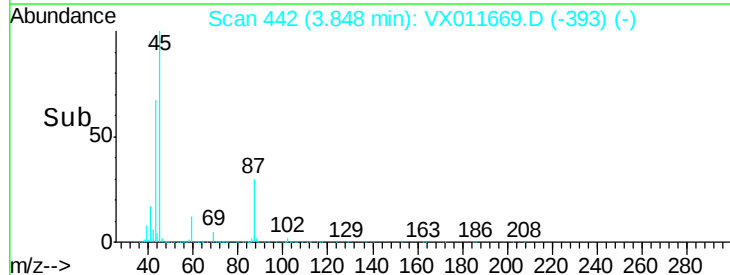
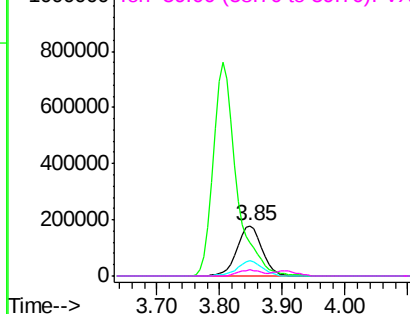
Lab File: VX011669.D

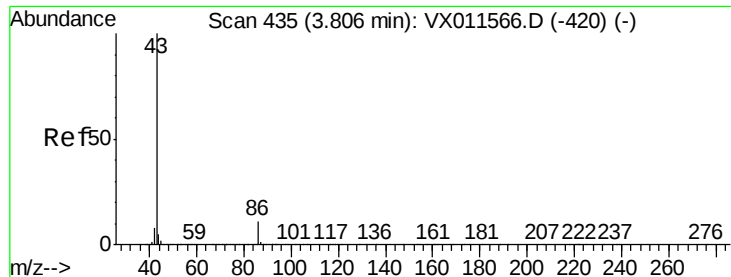
Acq: 20 Aug 2019 06:35

Tgt Ion:	45	Resp:	494194
Ion	Ratio	Lower	Upper
45	100		
43	66.7	52.7	79.1
87	29.9	23.5	35.3
59	11.6	9.0	13.4



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: 300.461 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tot Ion: 43 Resp: 1943442

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

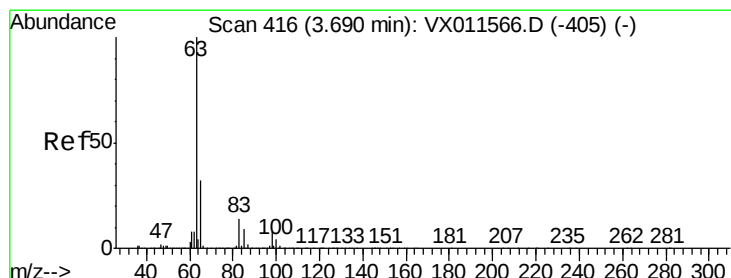
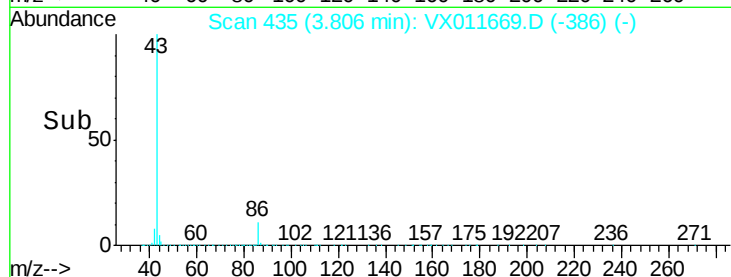
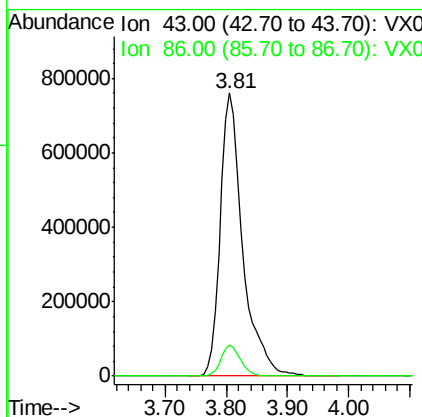
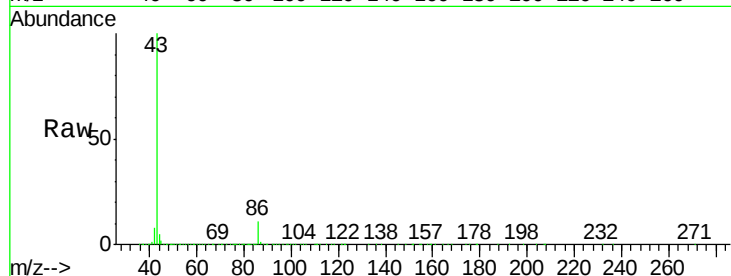
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 59.180 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

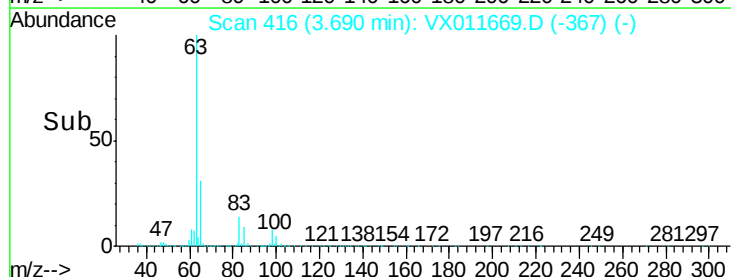
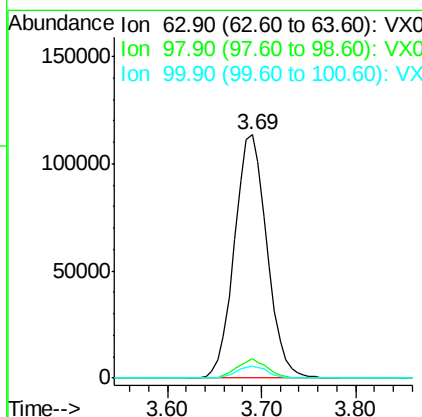
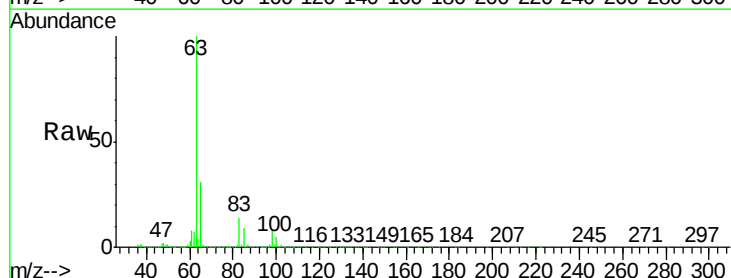
Tgt Ion: 63 Resp: 273305

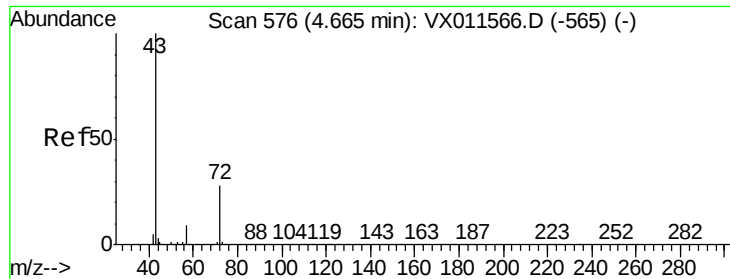
Ion Ratio Lower Upper

63 100

98 7.8 3.7 11.1

100 4.9 2.1 6.3





#25

2-Butanone

Concen: 292.665 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 619535

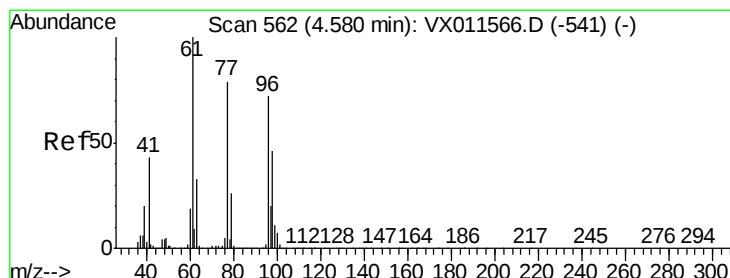
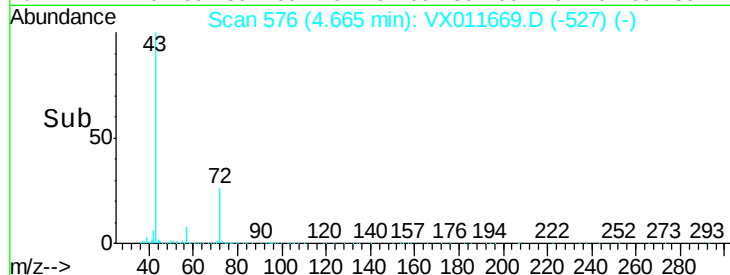
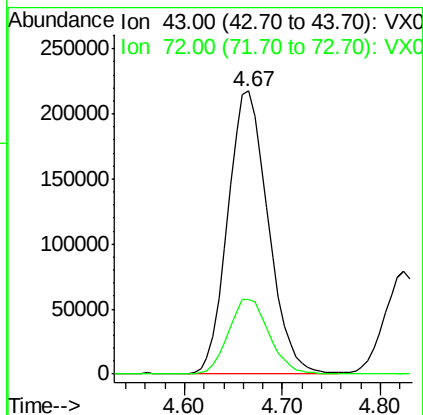
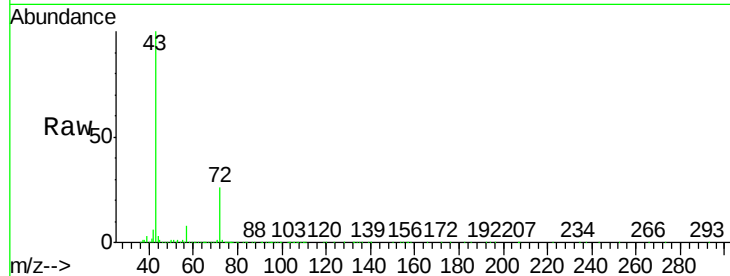
Ion Ratio Lower Upper

43 100

72 26.2 22.2 33.4

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#26

2,2-Dichloropropane

Concen: 37.147 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011669.D

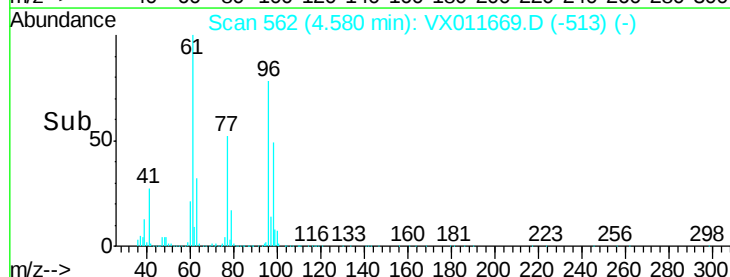
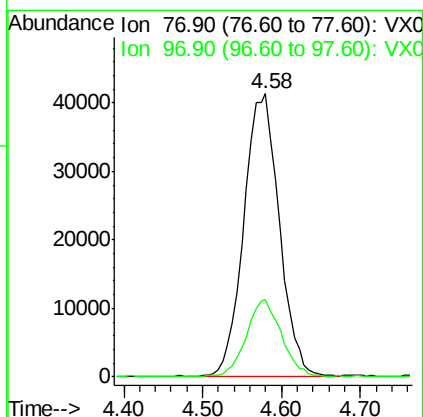
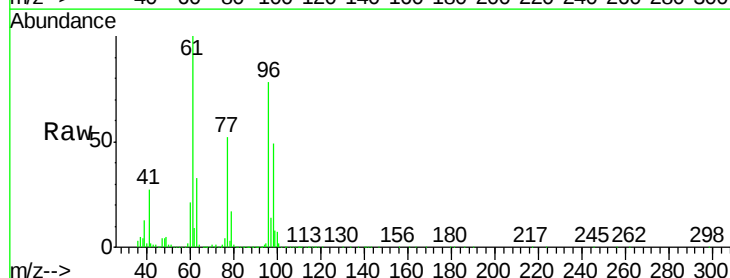
Acq: 20 Aug 2019 06:35

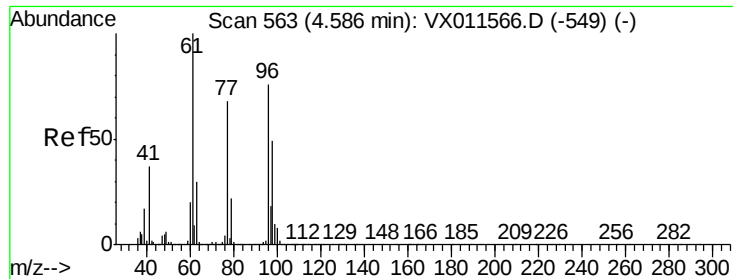
Tgt Ion: 77 Resp: 129119

Ion Ratio Lower Upper

77 100

97 26.8 12.4 37.2





#27

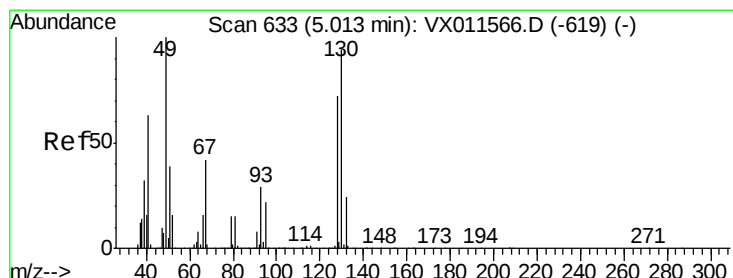
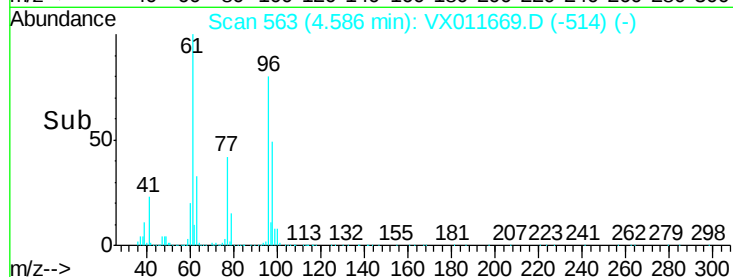
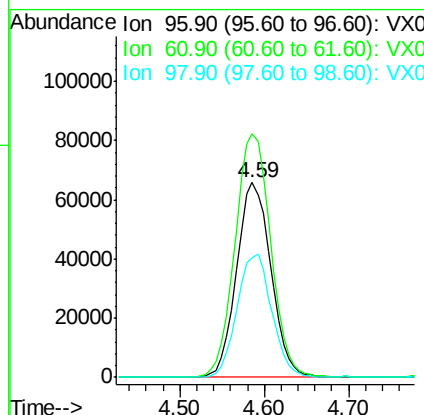
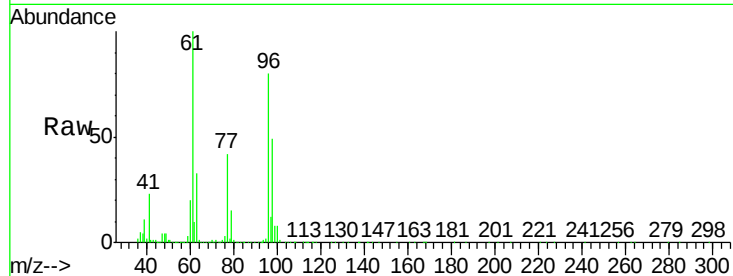
cis-1,2-Dichloroethene
Concen: 59.281 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	272.6
98	64.4	0.0	129.4

Manual Integrations
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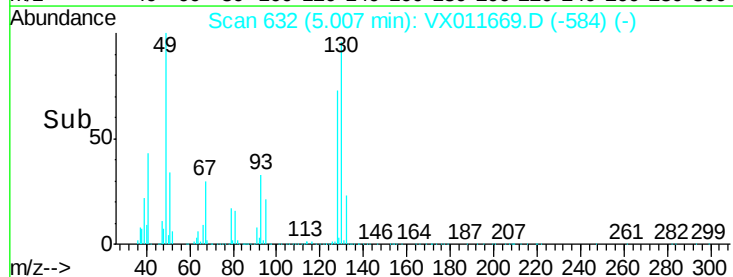
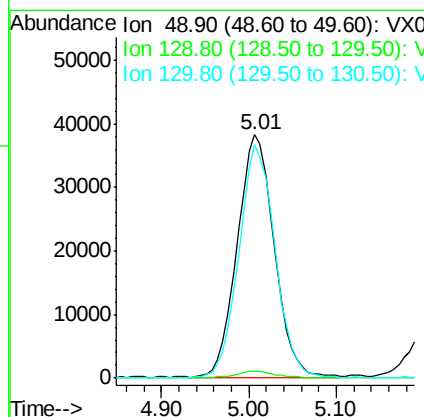
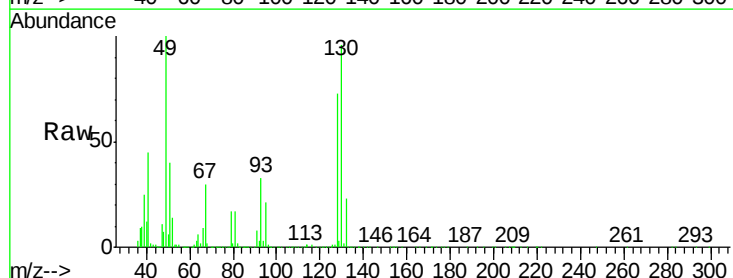
MMDadoda
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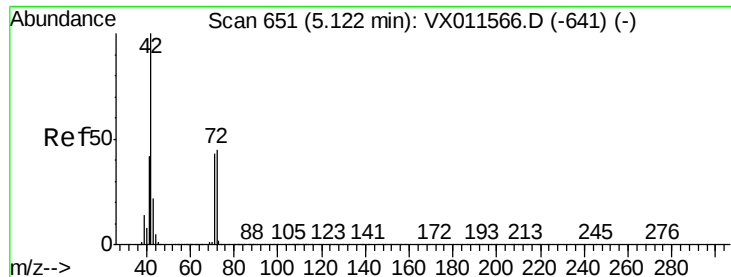


#28

Bromochloromethane
Concen: 55.228 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.0
130	94.9	76.6	115.0





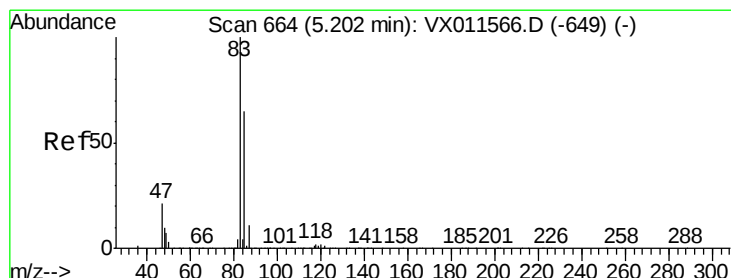
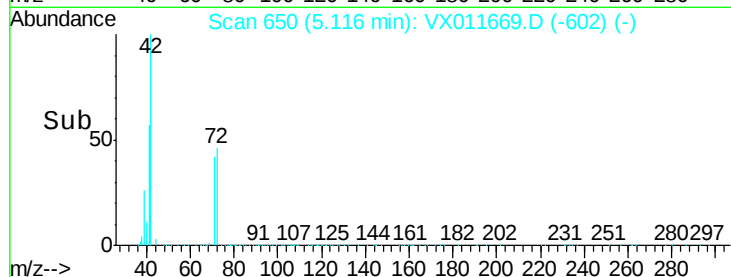
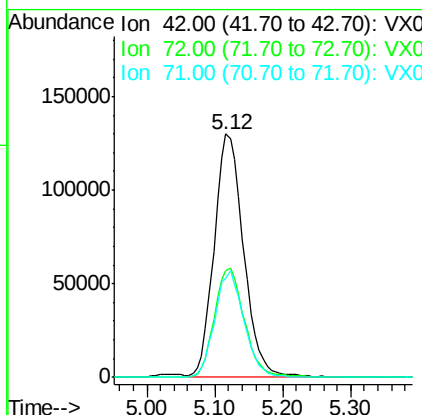
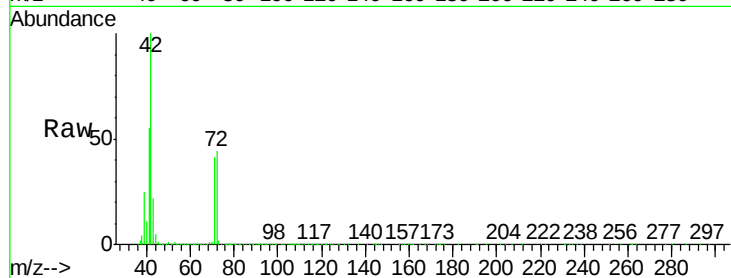
#29
Tetrahydrofuran
Concen: 279.665 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.1	54.1
71	43.5	33.8	50.8

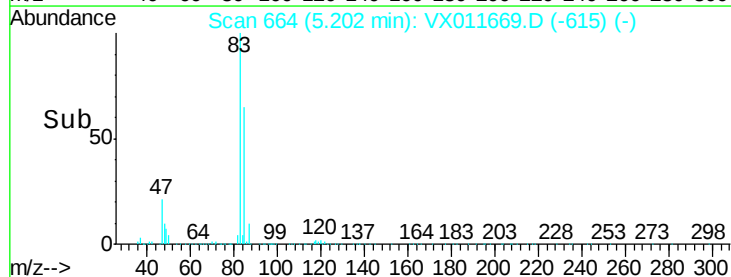
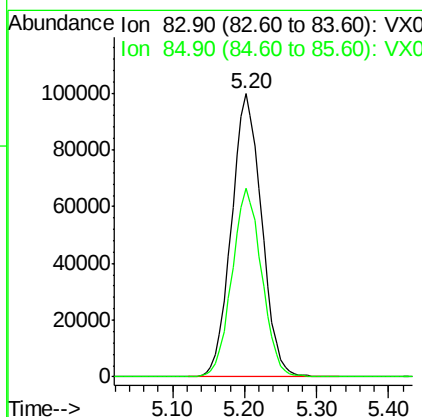
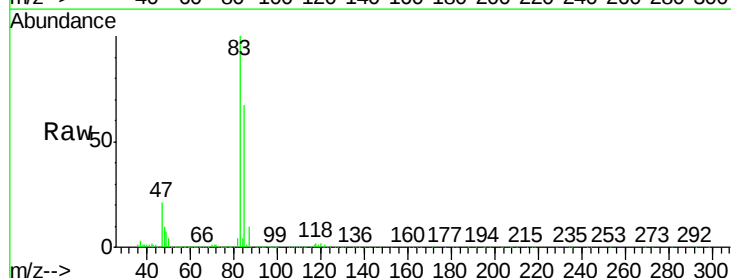
Manual Integrations
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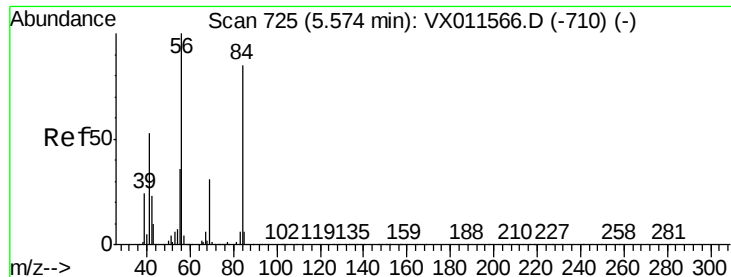
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#30
Chloroform
Concen: 59.583 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.9	77.9





#31

Cyclohexane

Concen: 57.046 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

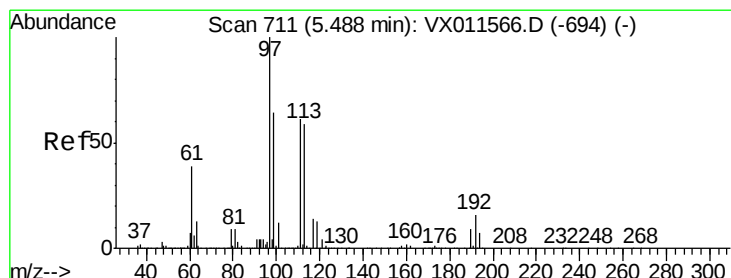
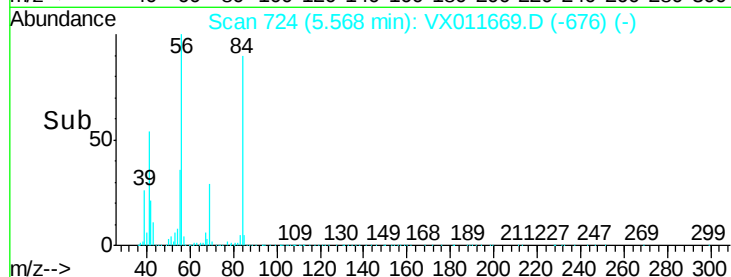
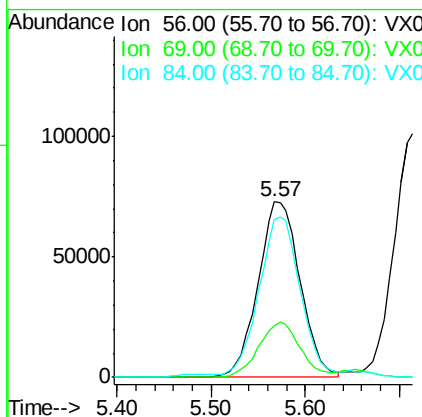
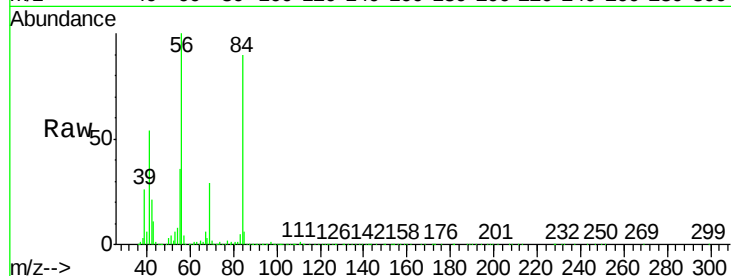
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	226827
Ion Ratio	Lower	Upper	
56	100		
69	29.3	24.8	37.2
84	88.7	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 61.121 ug/l

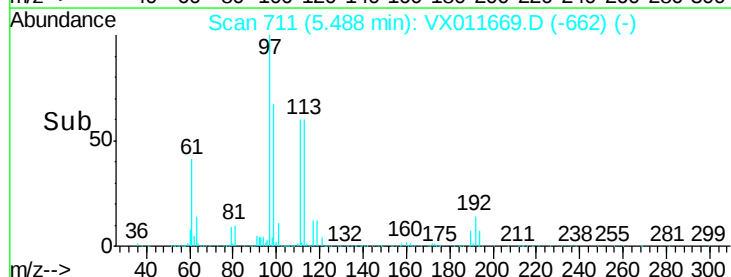
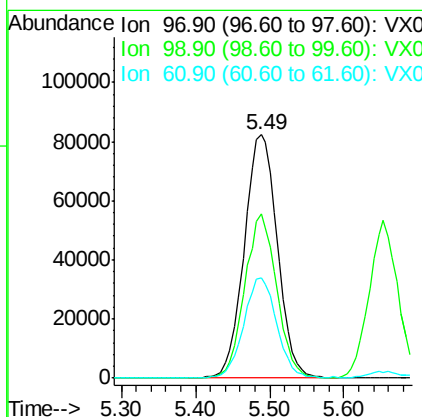
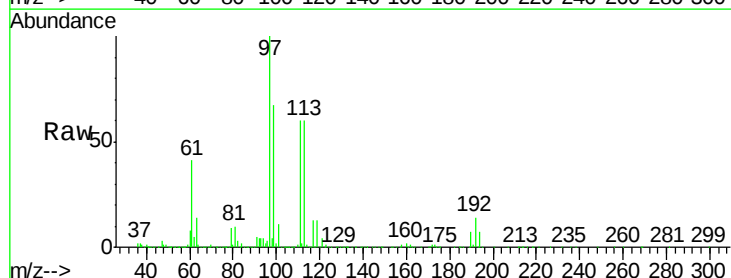
RT: 5.49 min Scan# 711

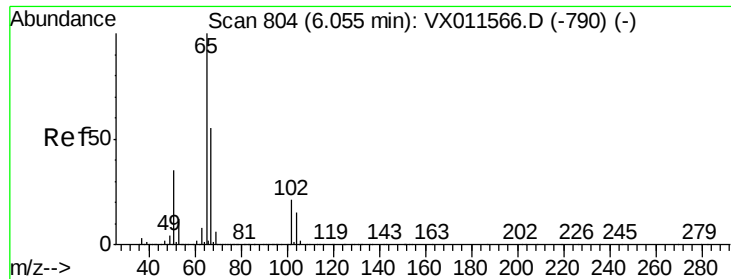
Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tgt Ion:	97	Resp:	256144
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.4	77.0
61	40.7	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 55.996 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tot Ion: 65 Resp: 150163

Ion Ratio Lower Upper

65 100

67 51.4 0.0 107.6

Instrument :

MSVOA_X

ClientSampleId :

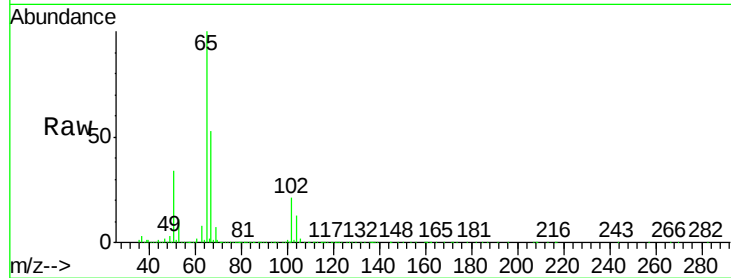
VSTDCCC050EC

Manual Integrations

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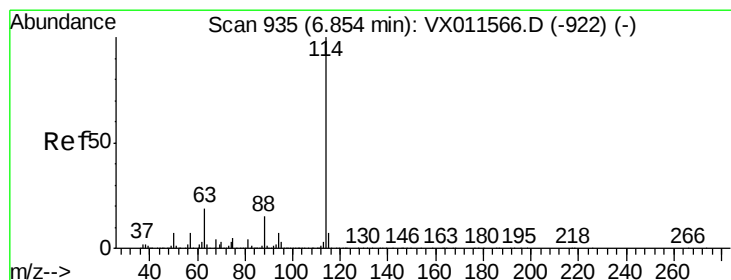
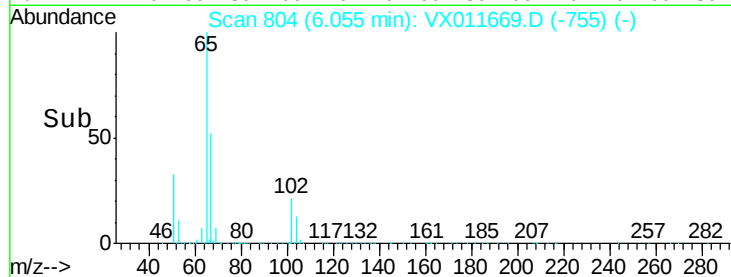
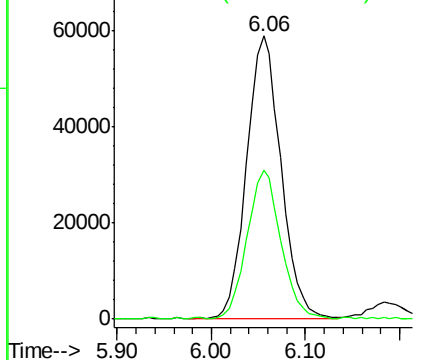
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

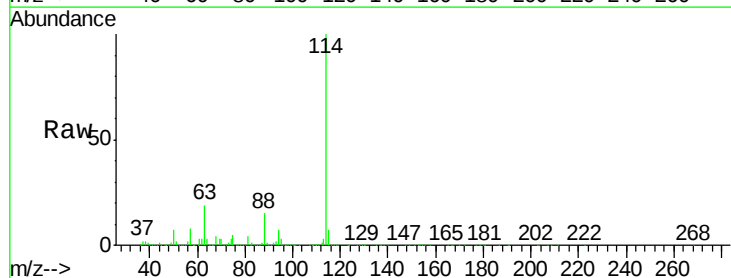
Tgt Ion: 114 Resp: 466808

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.8

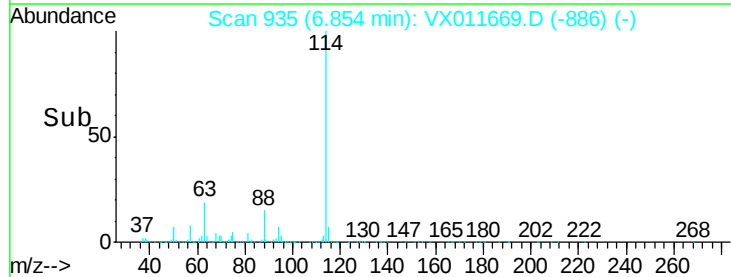
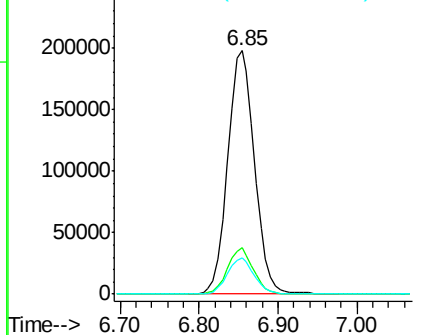
88 15.1 0.0 30.2

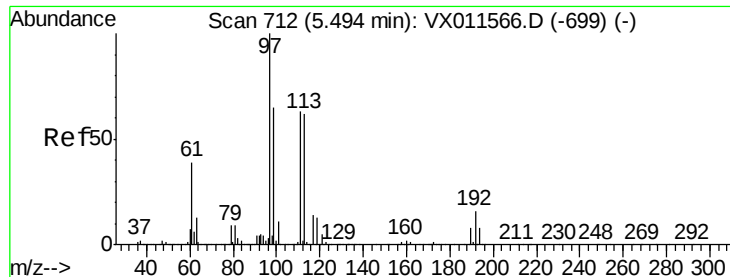


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.556 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

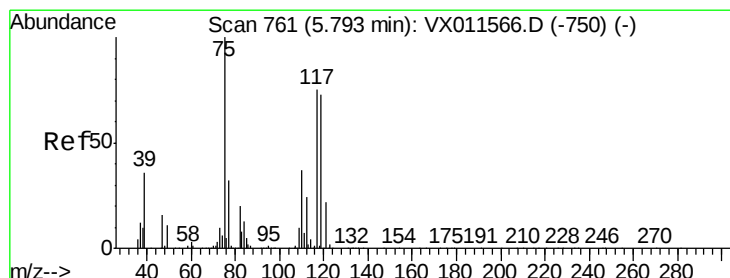
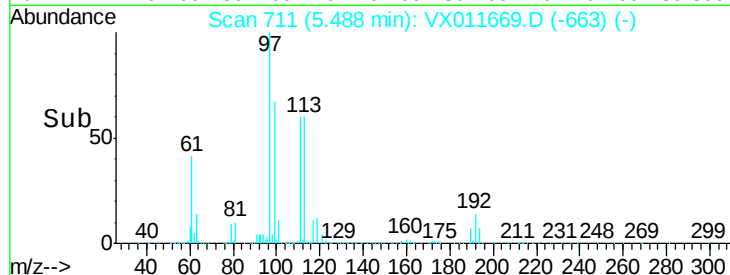
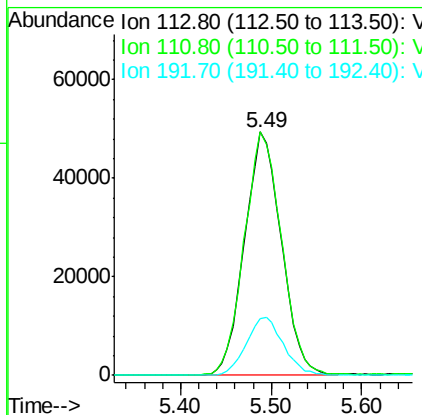
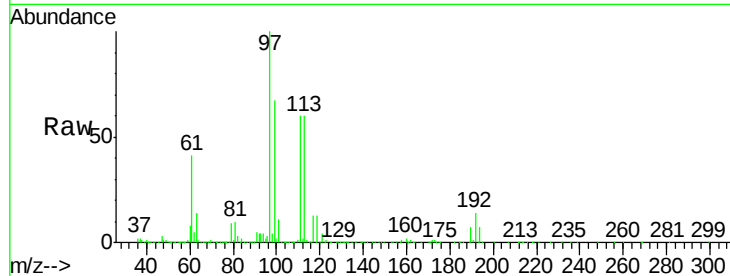
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	139093
Ion Ratio	Lower	Upper	
113	100		
111	101.4	81.1	121.7
192	24.2	20.8	31.2

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#36

1,1-Dichloropropene

Concen: 49.241 ug/l

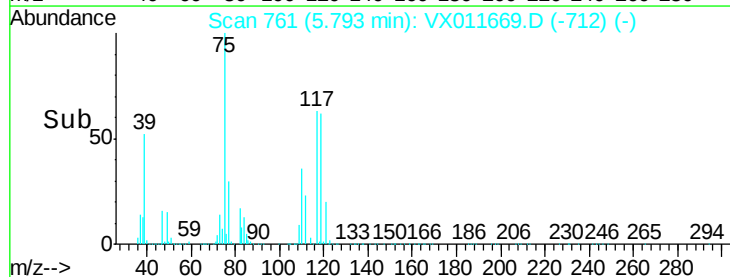
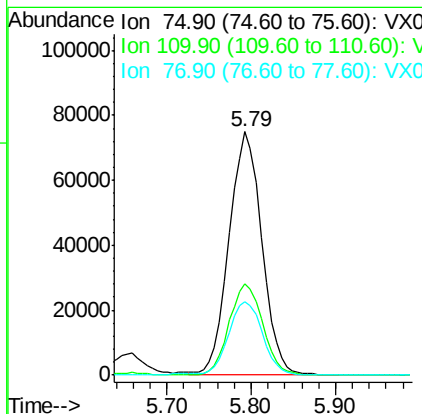
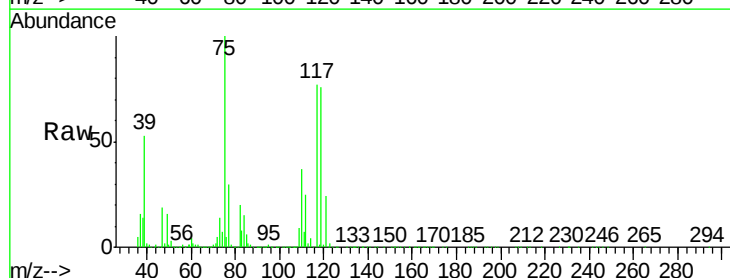
RT: 5.79 min Scan# 761

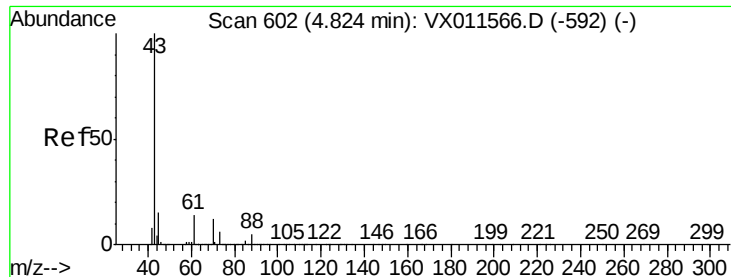
Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tgt Ion:	75	Resp:	196530
Ion Ratio	Lower	Upper	
75	100		
110	38.3	19.4	58.1
77	30.9	25.1	37.7





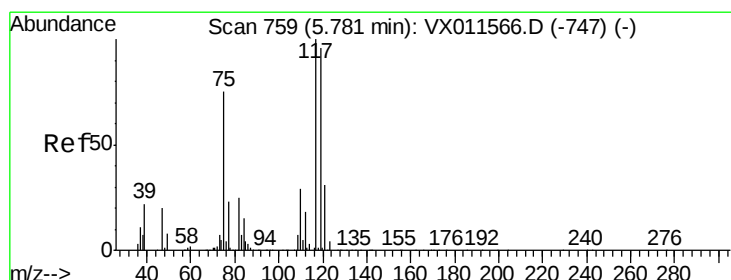
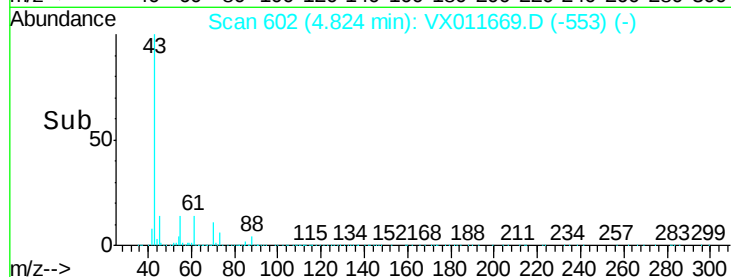
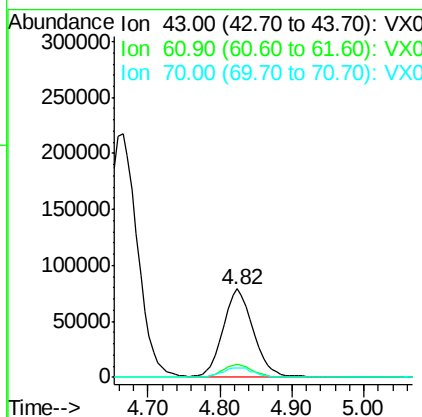
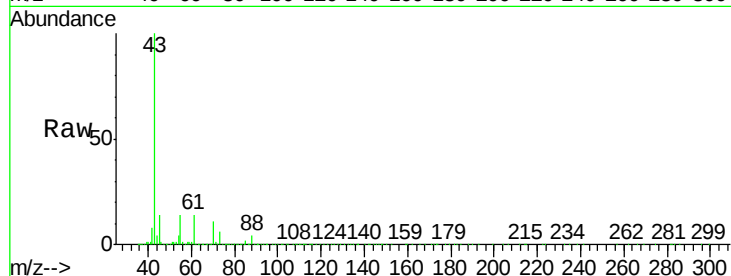
#37
Ethyl Acetate
Concen: 49.815 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	228680
Ion Ratio	Lower	Upper	
43	100		
61	14.2	11.4	17.0
70	11.3	9.0	13.6

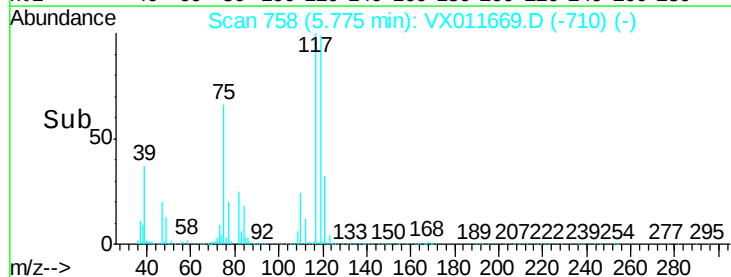
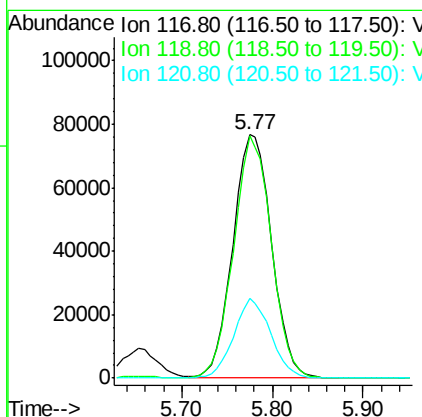
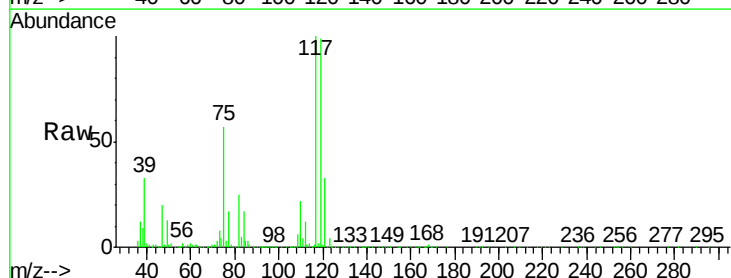
Manual Integrations
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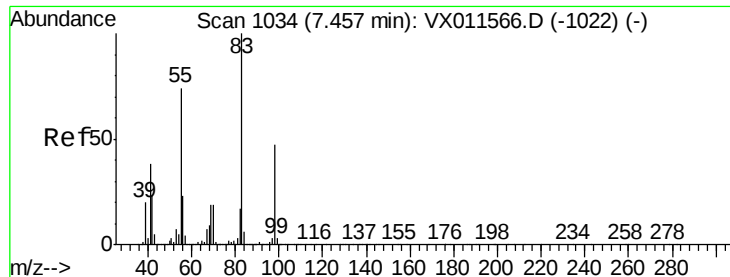
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#38
Carbon Tetrachloride
Concen: 51.437 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion:	117	Resp:	226176
Ion Ratio	Lower	Upper	
117	100		
119	99.3	76.9	115.3
121	32.6	24.8	37.2





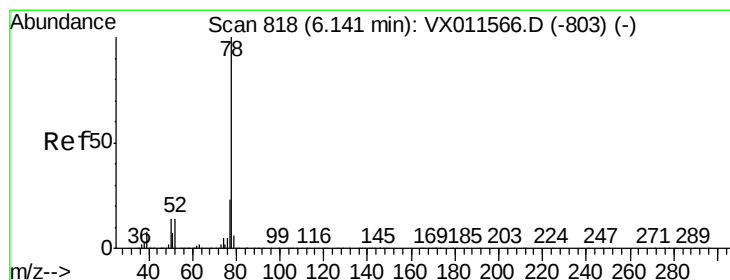
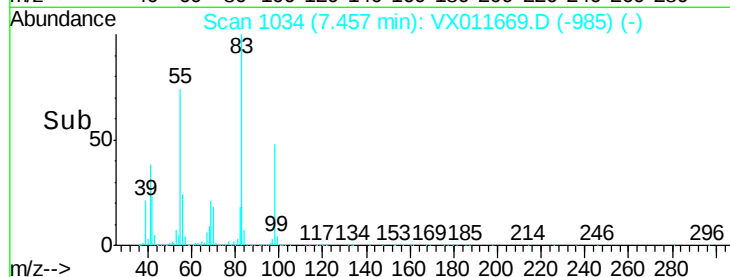
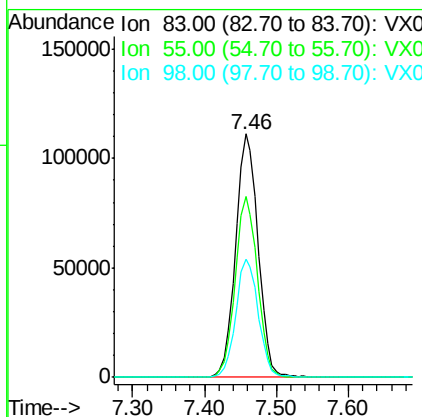
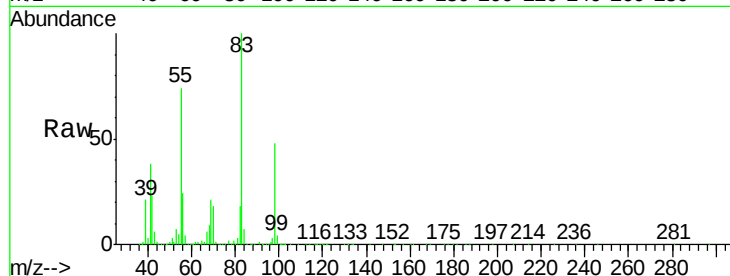
#39
Methvlcvclohexane
Concen: 48.703 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	58.8	88.2
98	48.3	37.8	56.6

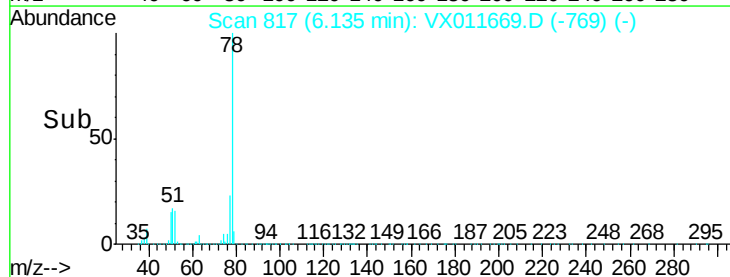
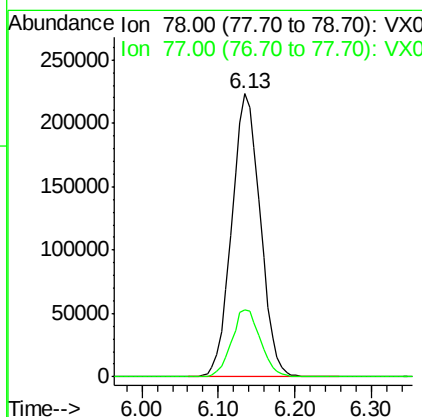
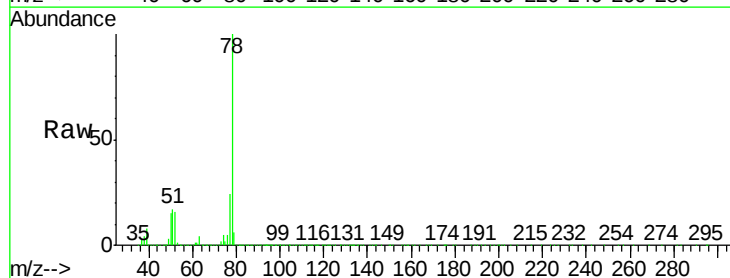
Manual Integrations
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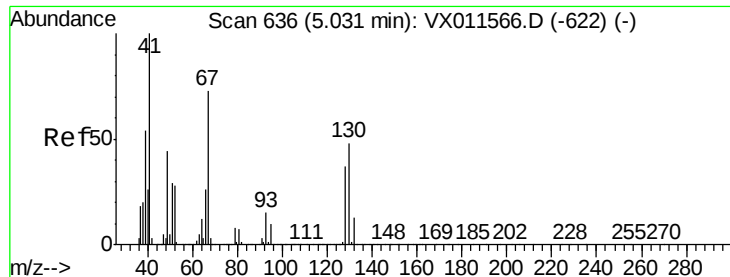
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#40
Benzene
Concen: 46.473 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	28.0





#41

Methacrylonitrile

Concen: 51.336 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

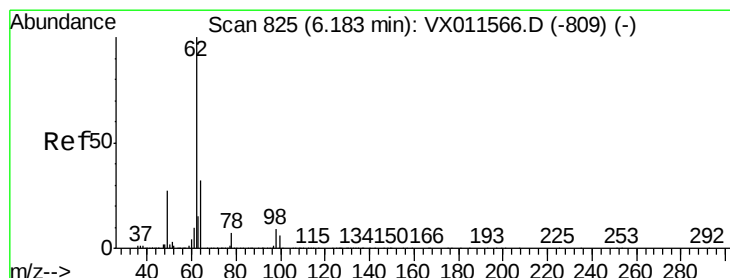
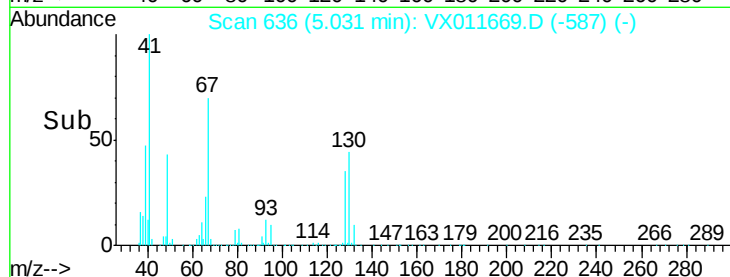
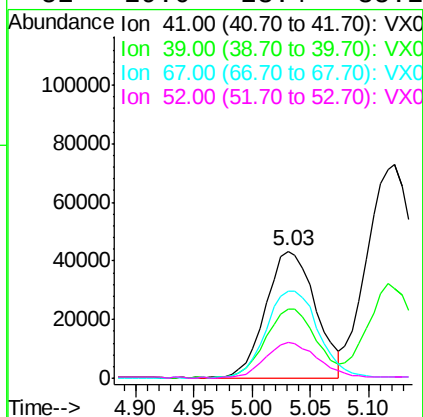
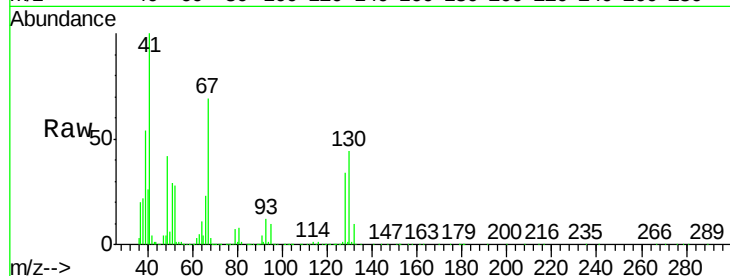
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	43.5	65.3	
67	71.3	59.4	89.2	
52	29.0	23.4	35.2	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.901 ug/l

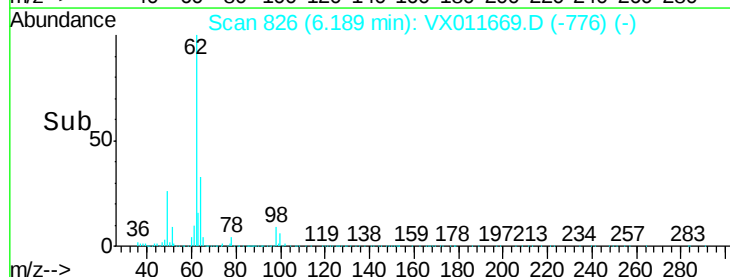
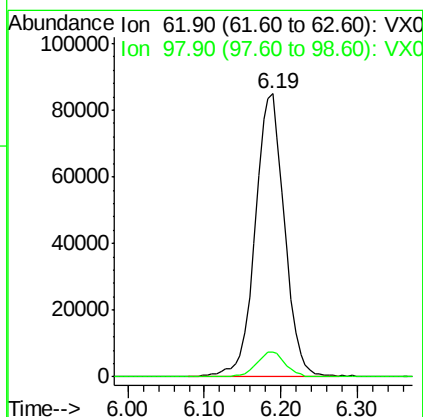
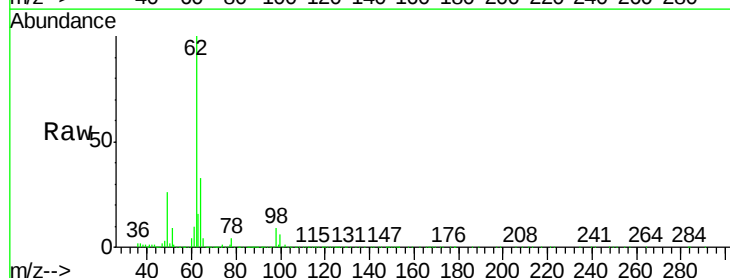
RT: 6.19 min Scan# 826

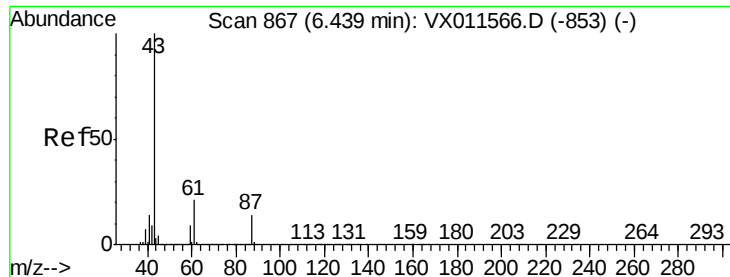
Delta R.T. 0.01 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	19.4	





#43

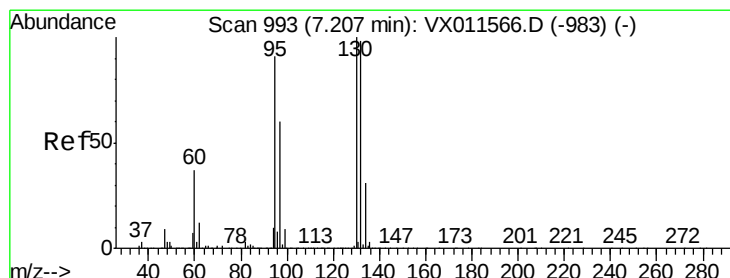
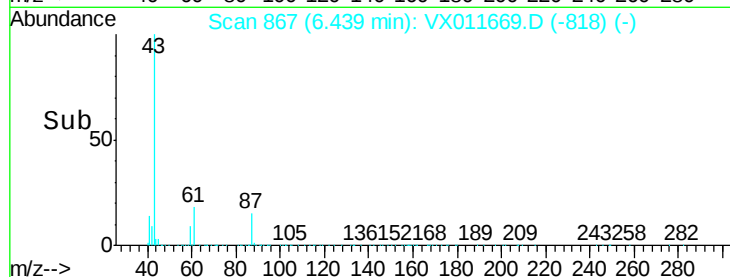
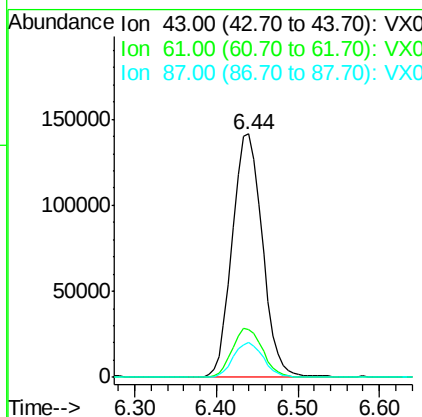
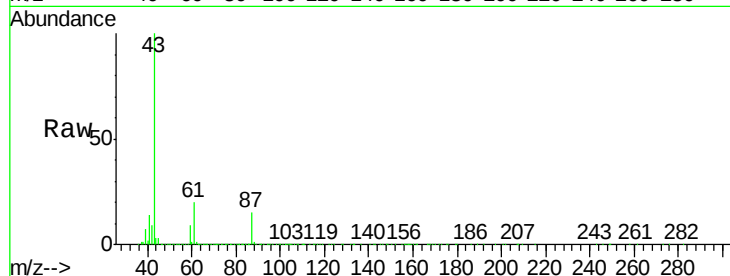
Isopropyl Acetate
 Concen: 50.421 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011669.D
 Acq: 20 Aug 2019 06:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.6	24.8
87	14.1	11.4	17.2

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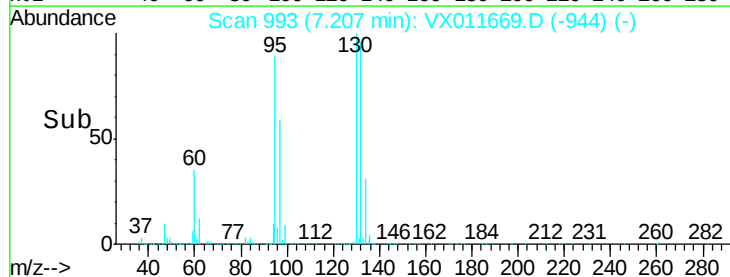
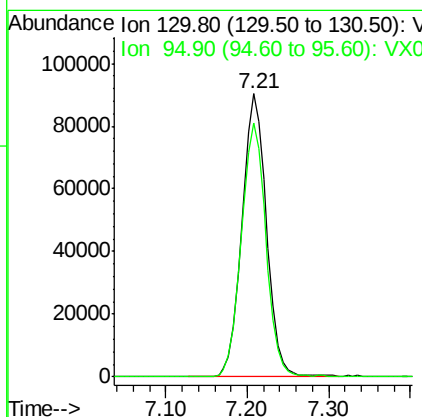
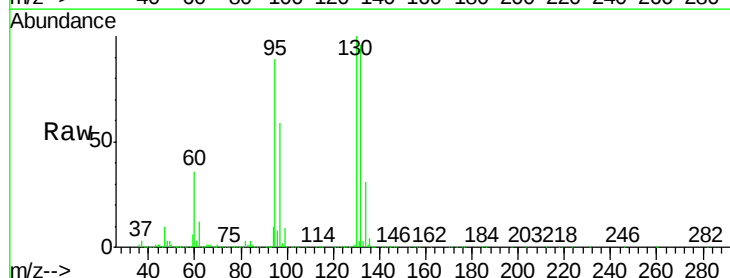
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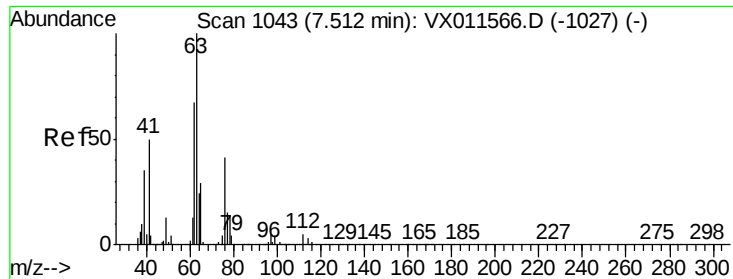


#44

Trichloroethene
 Concen: 51.053 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011669.D
 Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	181.4





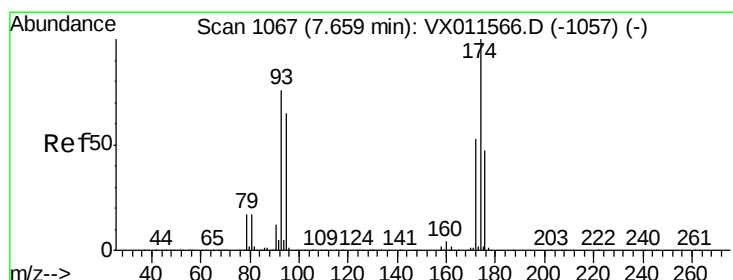
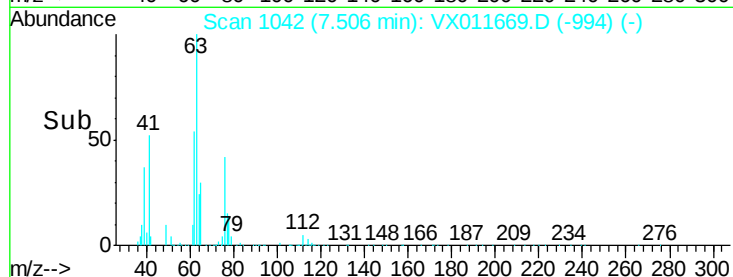
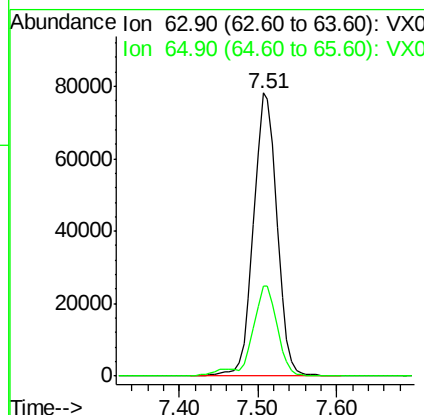
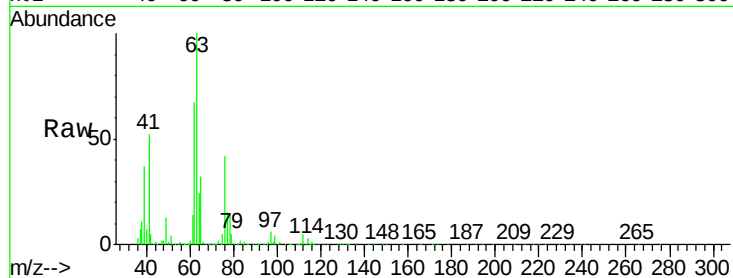
#45
 1,2-Dichloropropane
 Concen: 52.142 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011669.D
 Acq: 20 Aug 2019 06:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	23.4	35.2

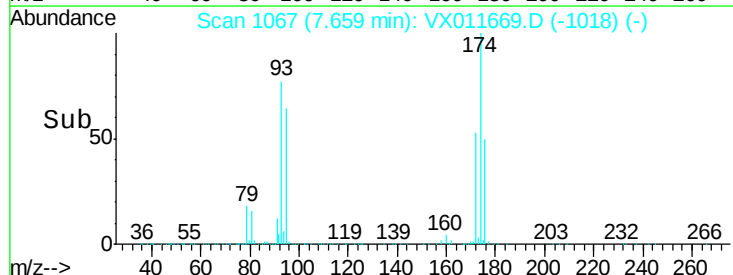
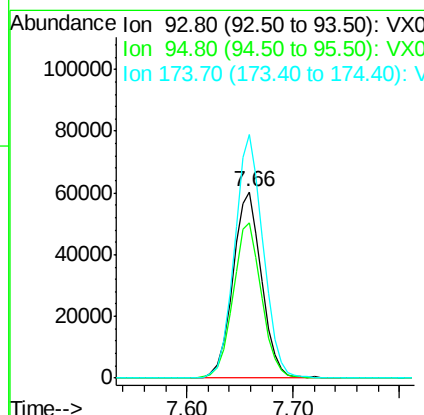
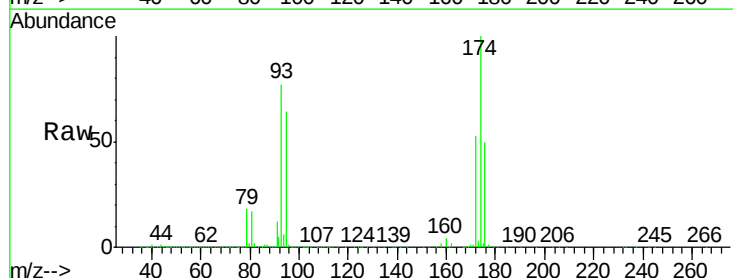
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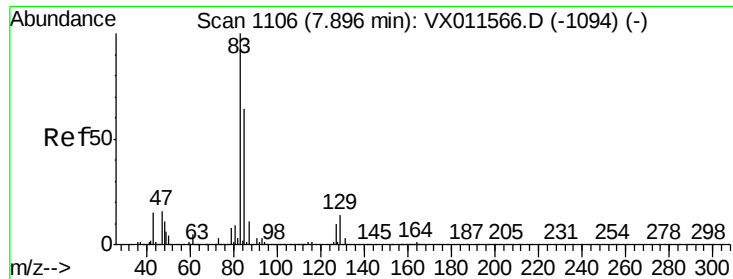
MMDadoda
 8/20/2019 3:40:26 PM



#46
 Dibromomethane
 Concen: 50.705 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011669.D
 Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.2	100.8
174	130.5	105.5	158.3





#47

Bromodichloromethane

Concen: 52.313 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

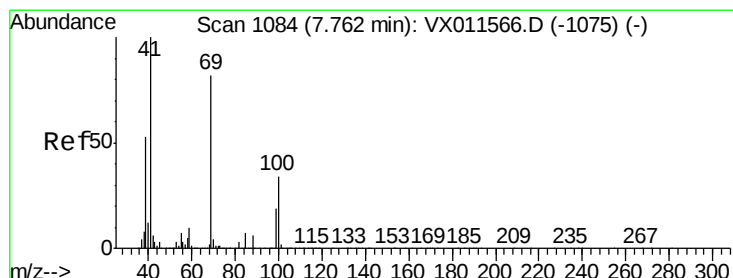
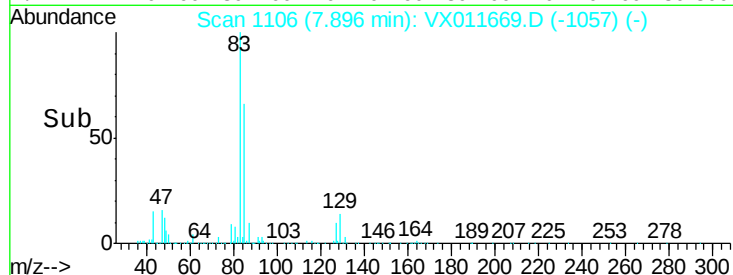
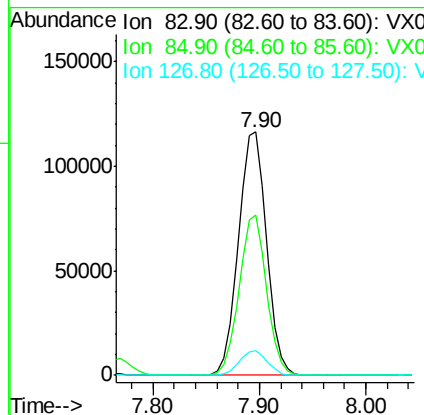
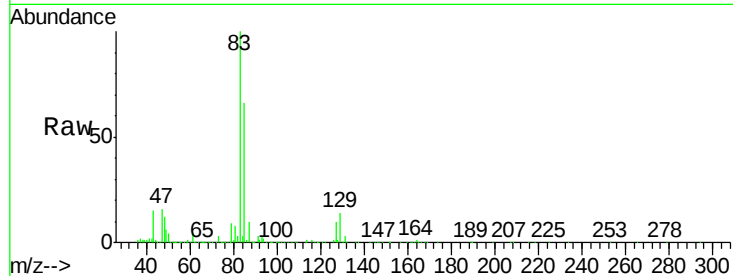
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	215906
Ion Ratio	Lower	Upper	
83	100		
85	65.6	51.2	76.8
127	10.4	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.549 ug/l

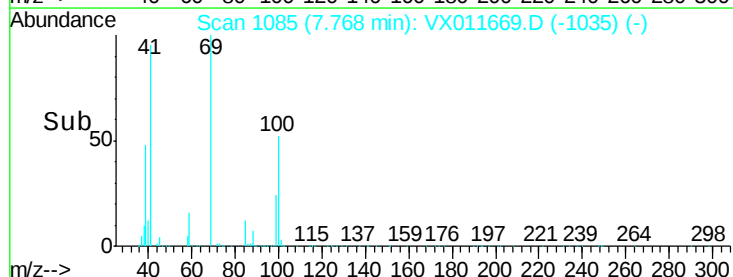
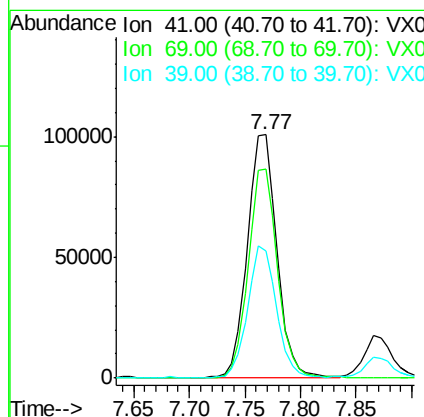
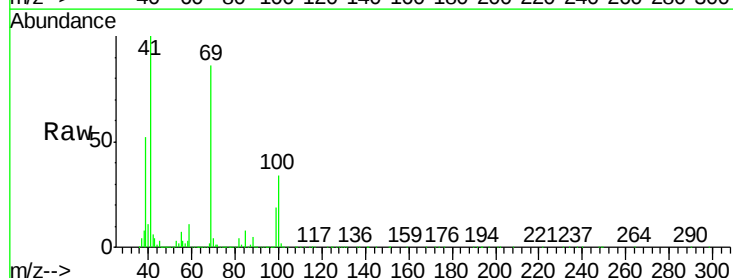
RT: 7.77 min Scan# 1085

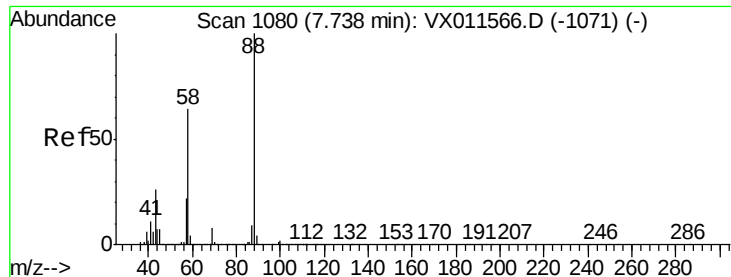
Delta R.T. 0.01 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tgt Ion:	41	Resp:	186431
Ion Ratio	Lower	Upper	
41	100		
69	85.3	67.9	101.9
39	52.4	41.6	62.4





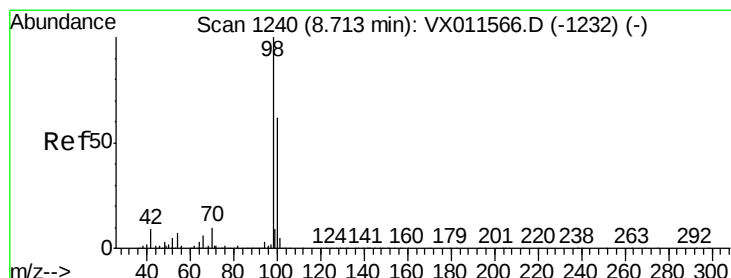
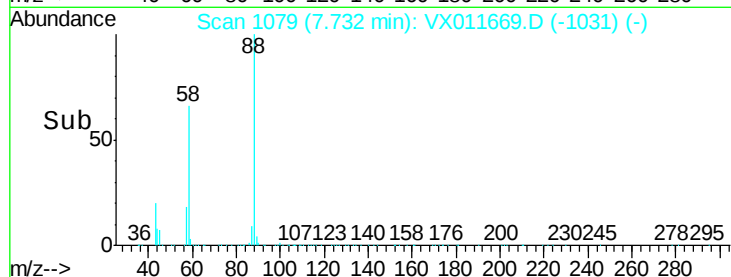
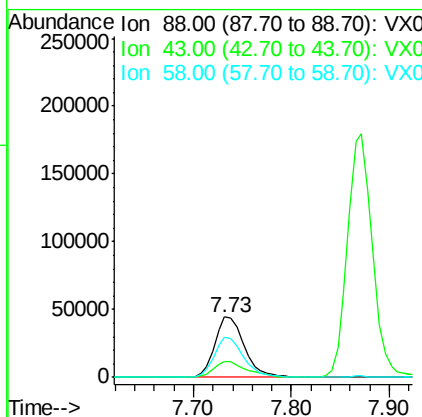
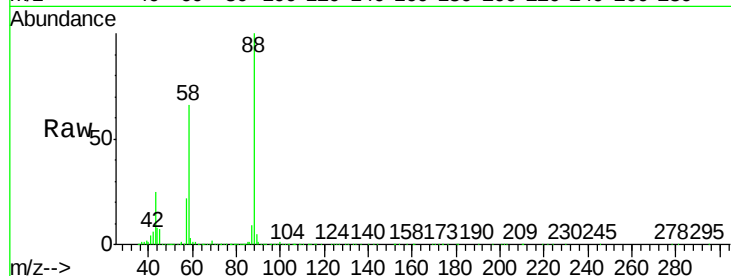
#49
1,4-Dioxane
Concen: 990.252 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.4	35.0
58	66.1	54.3	81.5

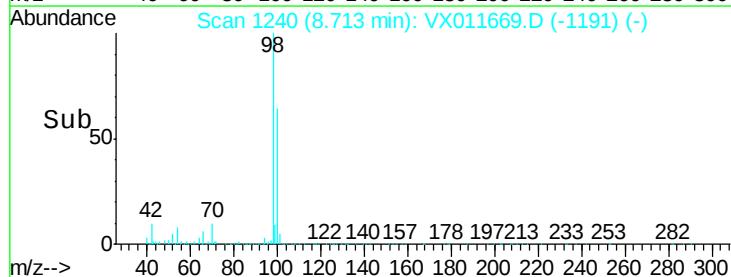
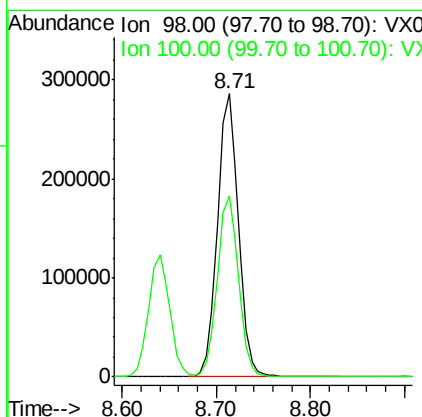
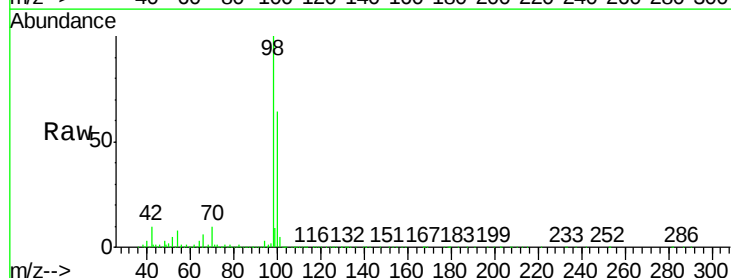
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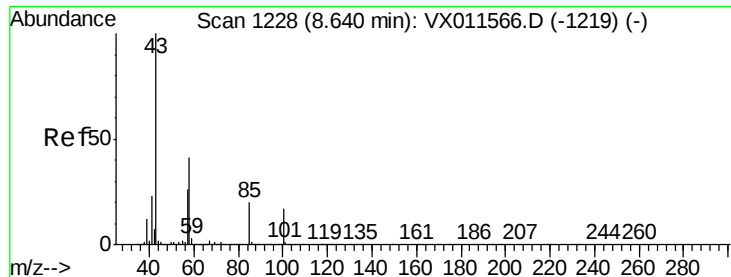
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#50
Toluene-d8
Concen: 46.322 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6





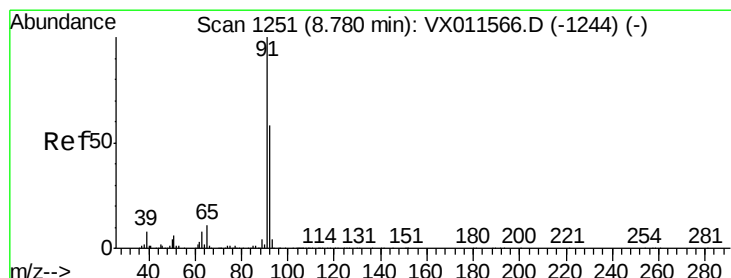
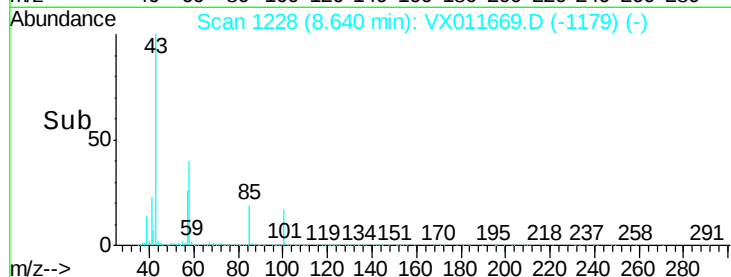
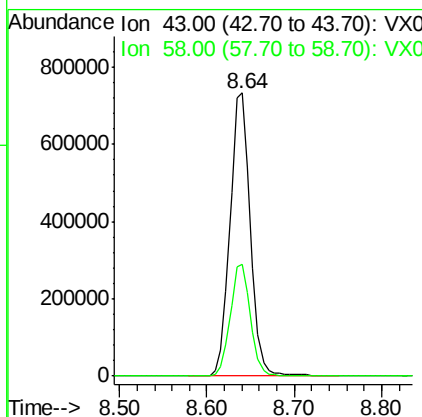
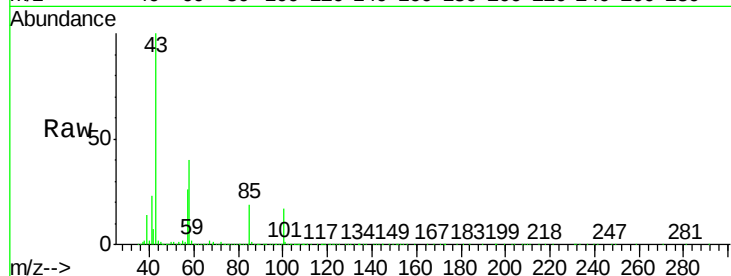
#51
4-Methyl-2-Pentanone
Concen: 253.810 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1190173
Ion Ratio Lower Upper
43 100
58 39.3 31.8 47.6

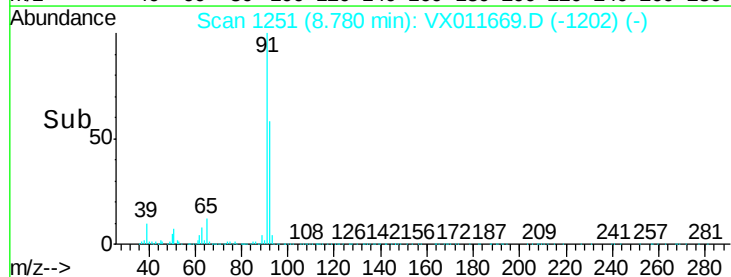
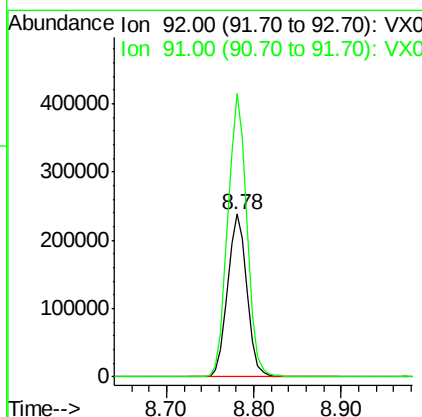
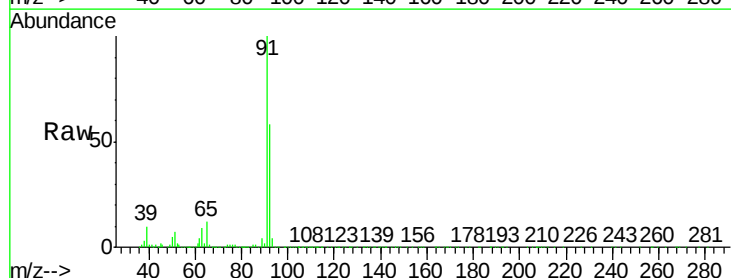
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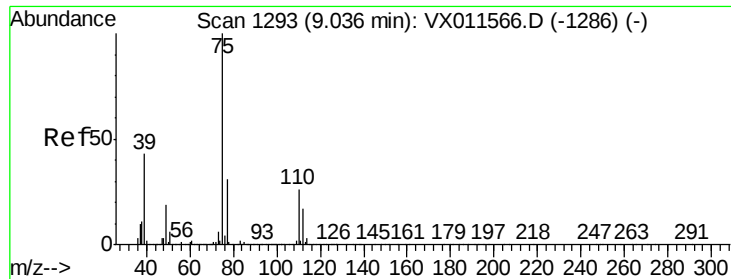
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#52
Toluene
Concen: 46.226 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion: 92 Resp: 365267
Ion Ratio Lower Upper
92 100
91 172.6 138.0 207.0





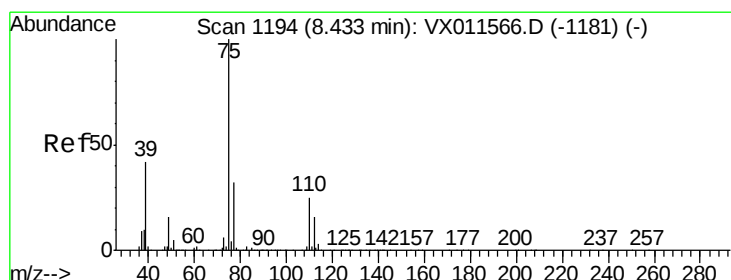
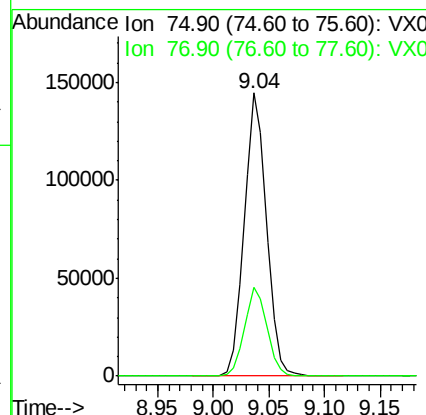
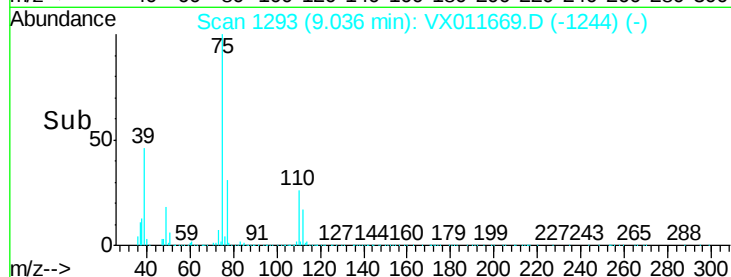
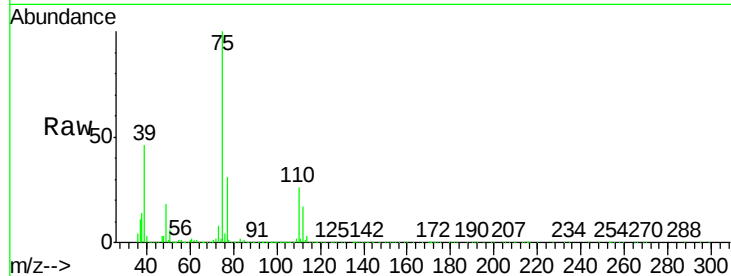
#53
t-1,3-Dichloropropene
Concen: 46.517 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

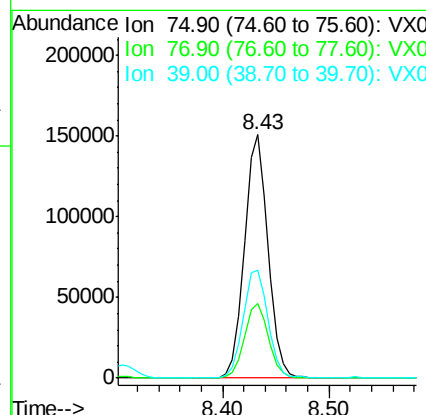
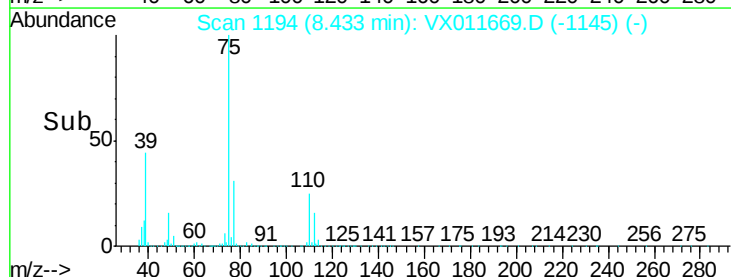
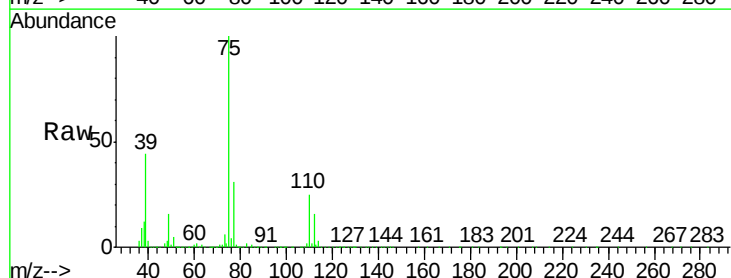
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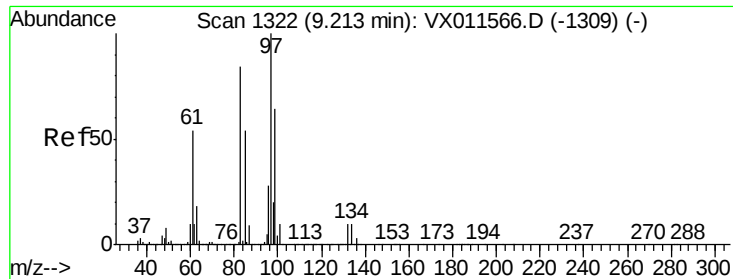
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#54
cis-1,3-Dichloropropene
Concen: 49.955 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.5	38.3
39	44.0	33.6	50.4





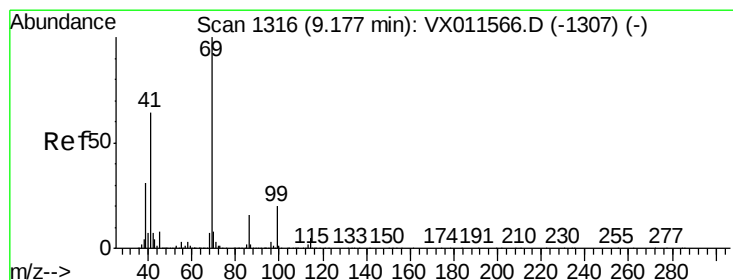
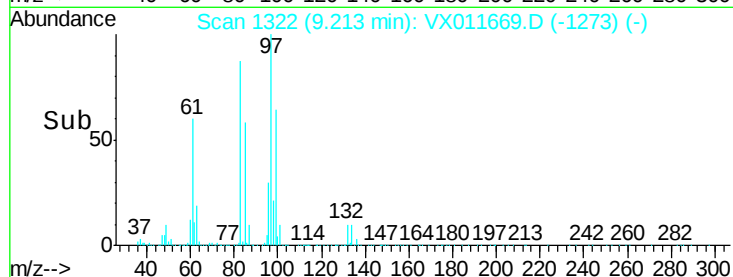
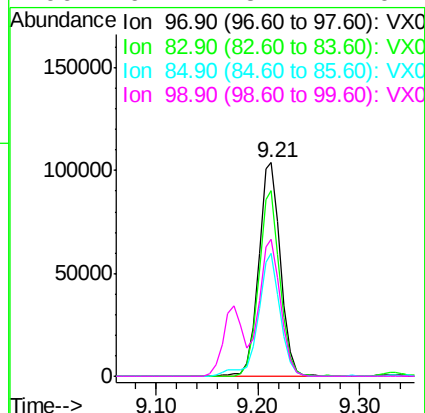
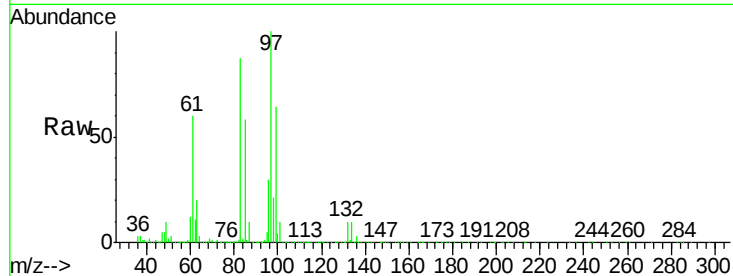
#55
 1,1,2-Trichloroethane
 Concen: 46.387 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011669.D
 Acq: 20 Aug 2019 06:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		155870		
83	86.6	67.4	101.0		
85	57.5	43.4	65.2		
99	64.1	51.1	76.7		

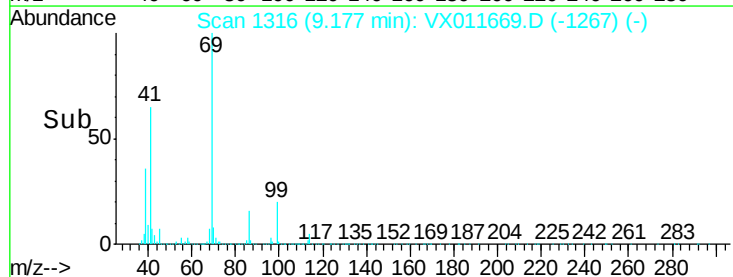
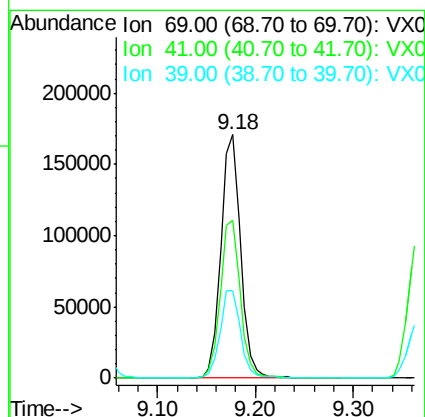
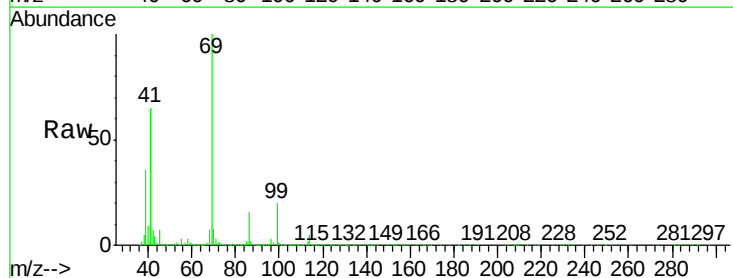
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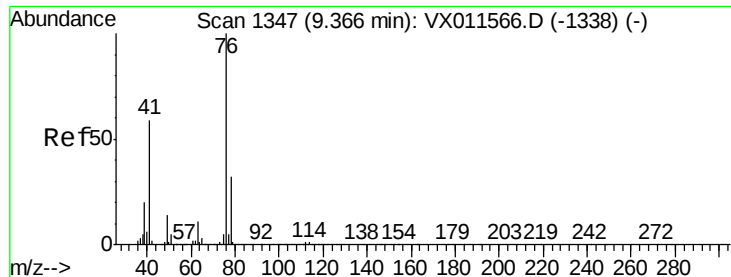
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#56
 Ethyl methacrylate
 Concen: 48.703 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011669.D
 Acq: 20 Aug 2019 06:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		237858		
41	65.7	52.1	78.1		
39	37.0	25.4	38.0		





#57

1,3-Dichloropropane

Concen: 47.078 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 251459

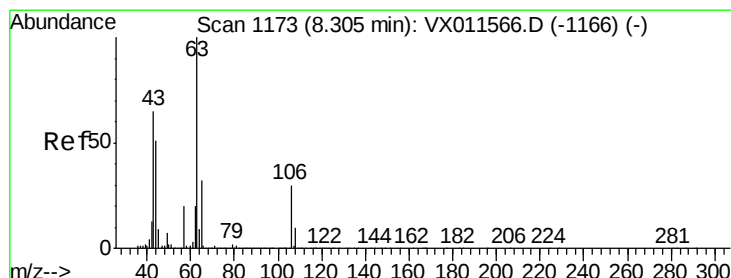
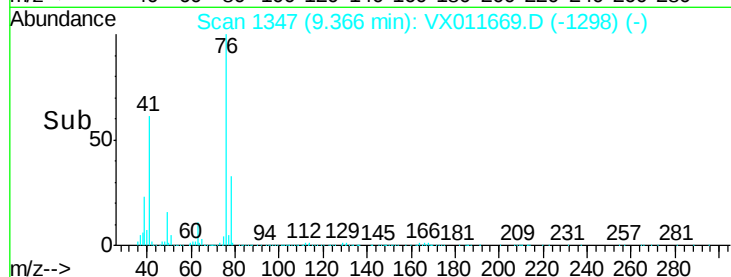
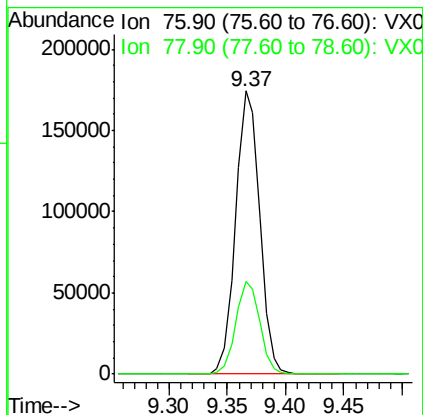
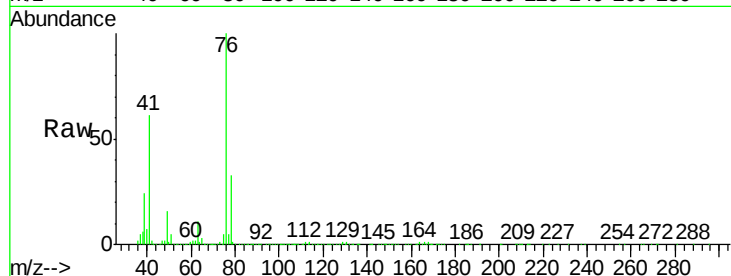
Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.4

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 247.182 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VX011669.D

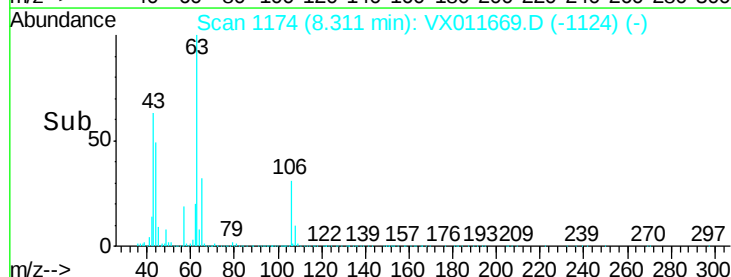
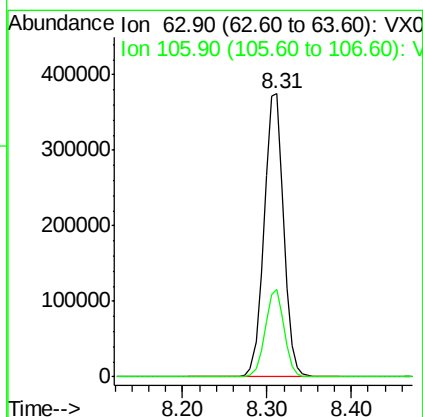
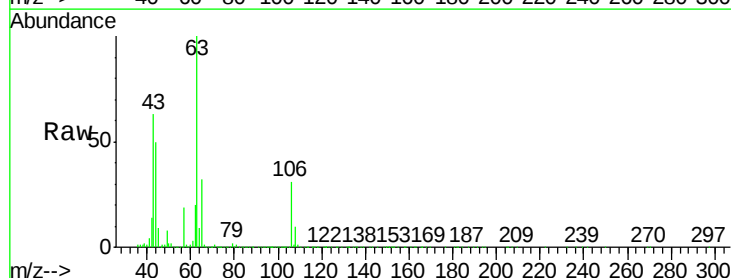
Acq: 20 Aug 2019 06:35

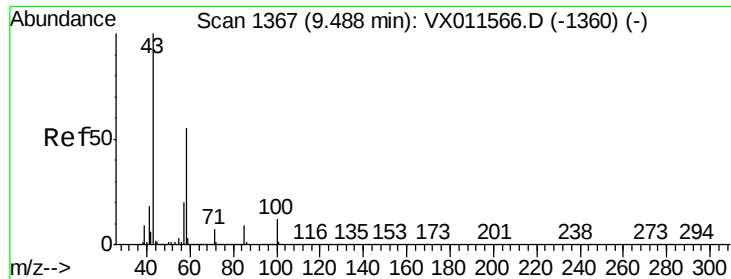
Tgt Ion: 63 Resp: 601503

Ion Ratio Lower Upper

63 100

106 30.0 24.7 37.1





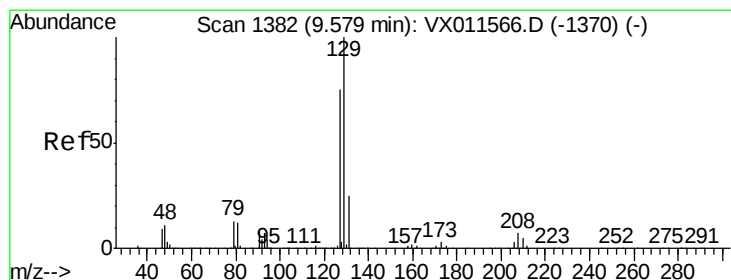
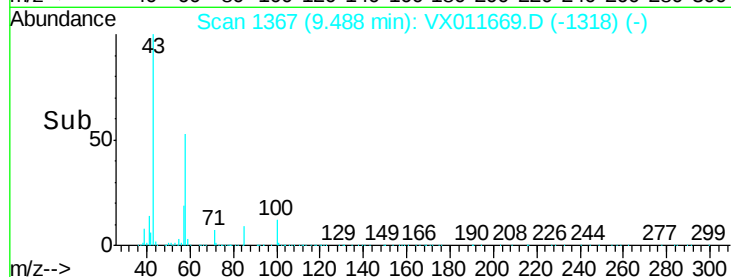
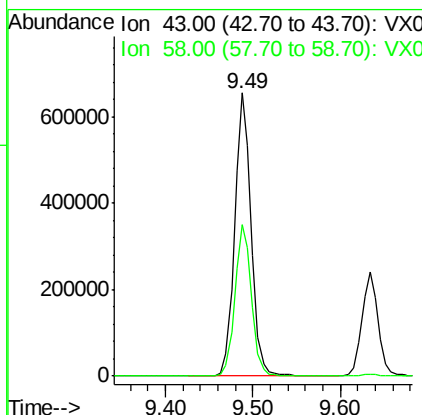
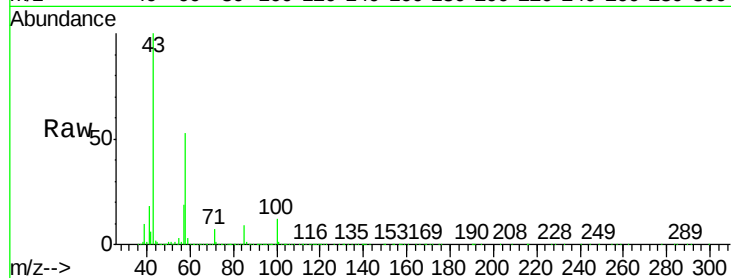
#59
2-Hexanone
Concen: 237.819 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 859984
Ion Ratio Lower Upper
43 100
58 53.9 27.5 82.4

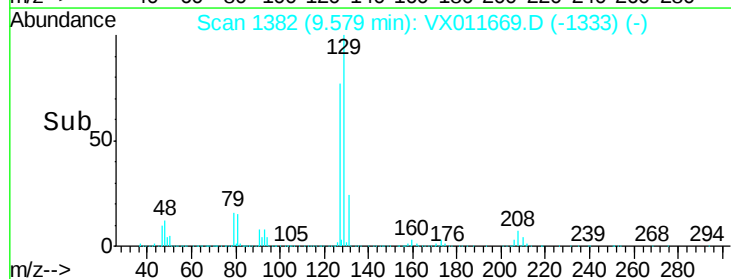
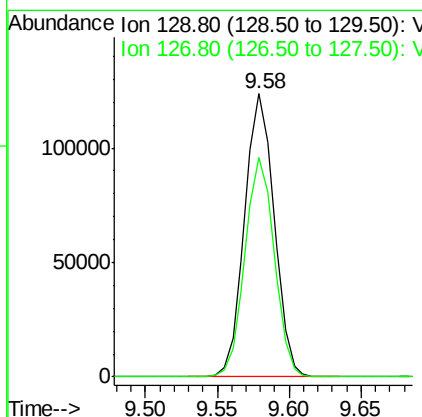
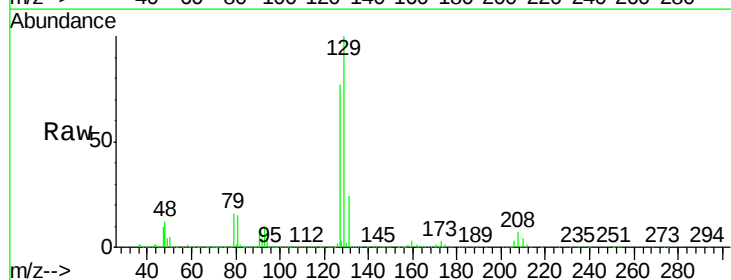
Manual Integrations
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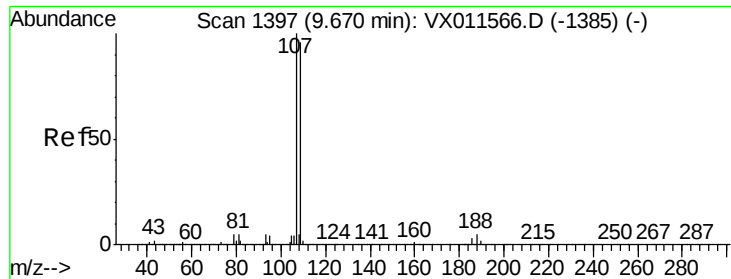
MMDadoda
8/20/2019 3:40:26 PM



#60
Dibromochloromethane
Concen: 50.301 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion: 129 Resp: 176102
Ion Ratio Lower Upper
129 100
127 76.7 38.0 114.1





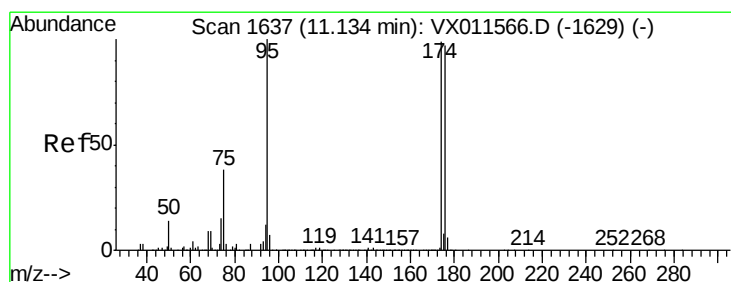
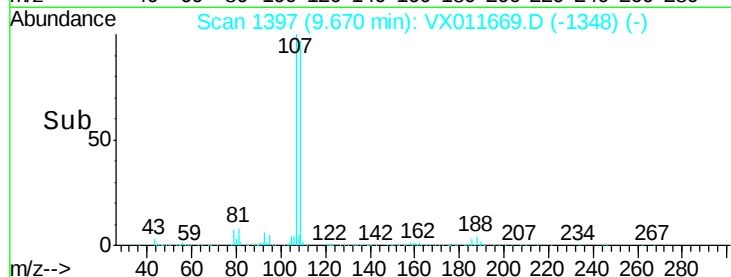
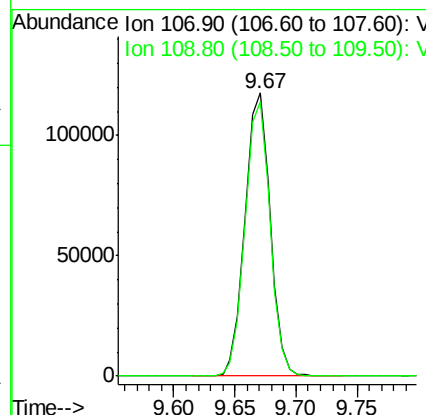
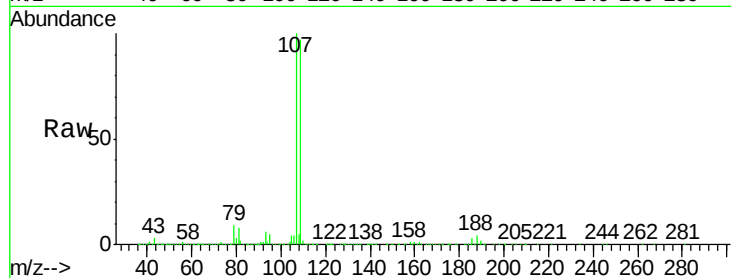
#61
 1,2-Dibromoethane
 Concen: 46.876 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX011669.D
 Acq: 20 Aug 2019 06:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	76.2	114.2

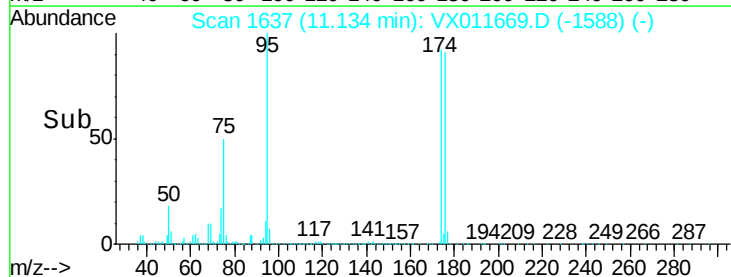
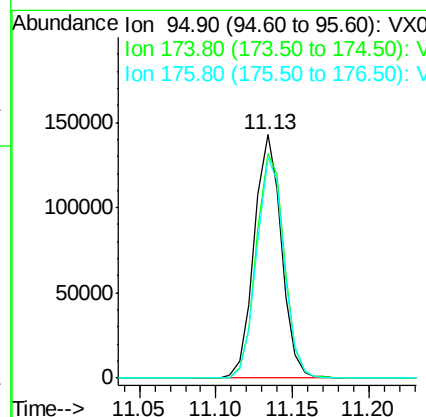
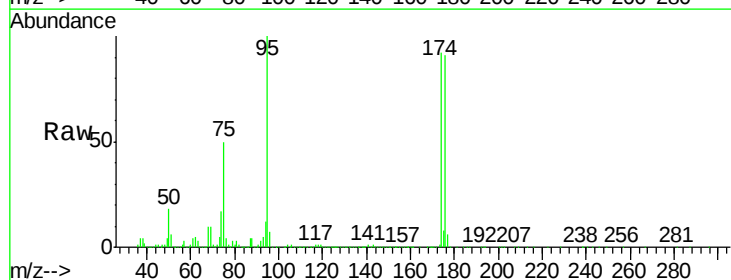
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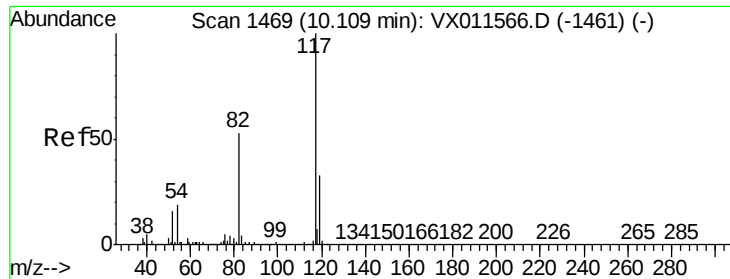
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 44.011 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX011669.D
 Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.4	0.0	200.6
176	91.7	0.0	196.6





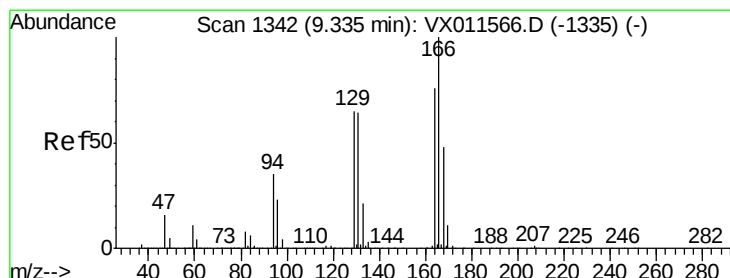
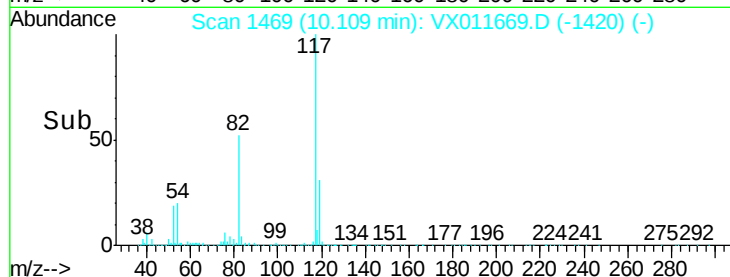
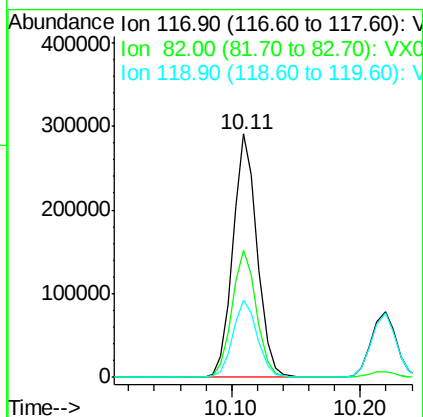
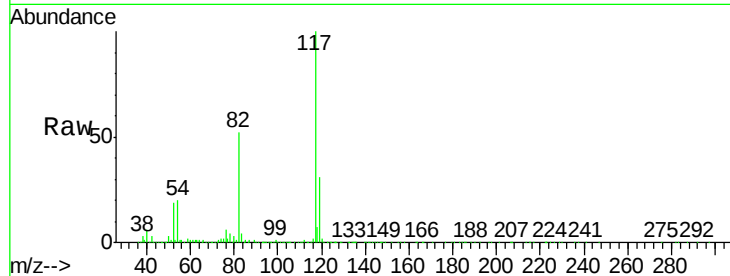
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	381717		
82	52.0	42.0	63.0	
119	31.5	26.5	39.7	

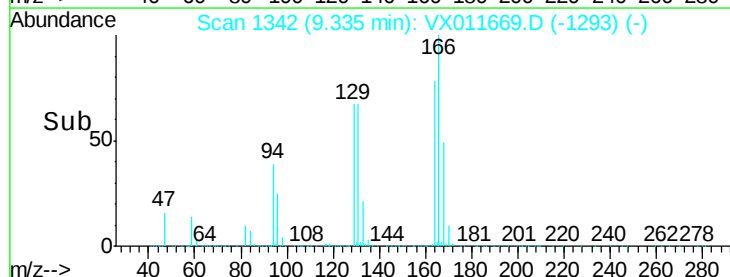
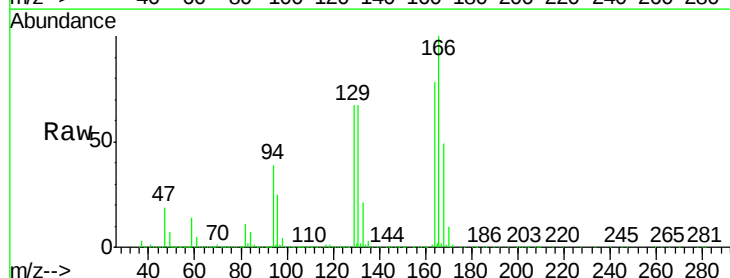
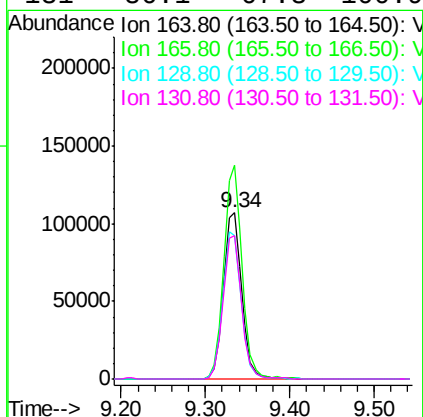
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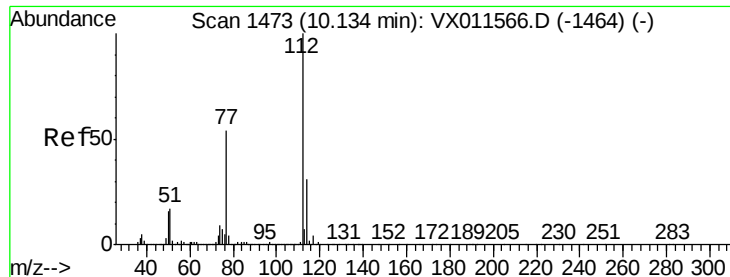
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#64
Tetrachloroethene
Concen: 51.764 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	162122		
166	128.5	104.7	157.1	
129	86.6	68.2	102.4	
131	86.1	67.3	100.9	





#65

Chlorobenzene

Concen: 51.160 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 416524

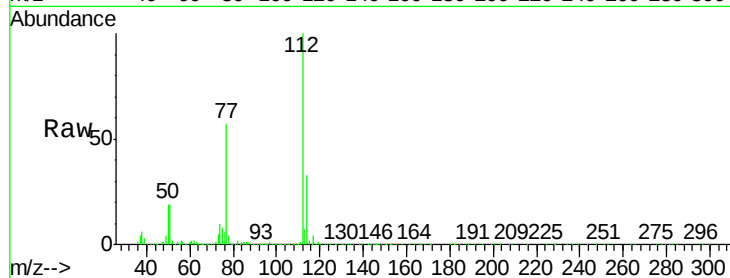
Ion Ratio Lower Upper

112 100

114 32.6 25.0 37.6

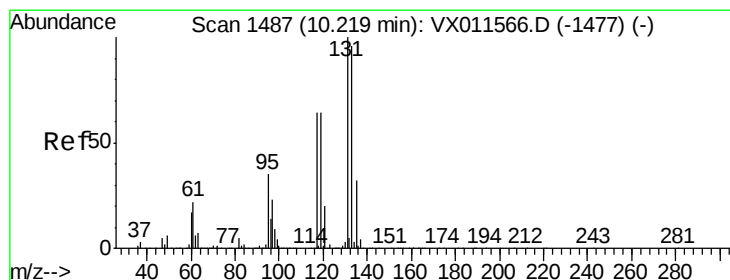
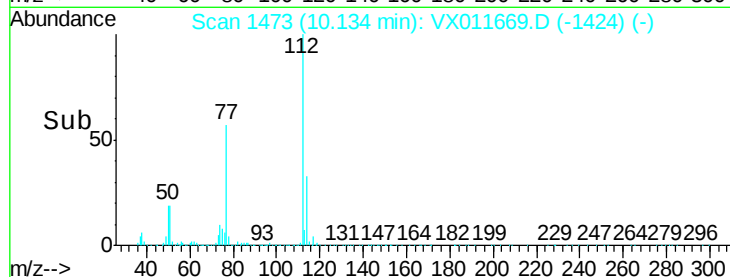
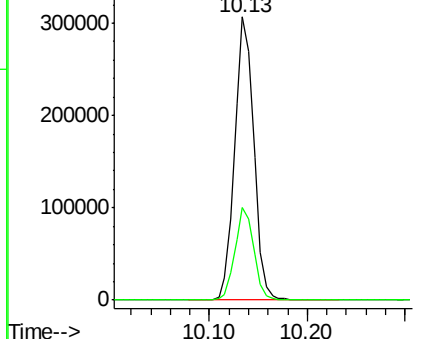
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.532 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

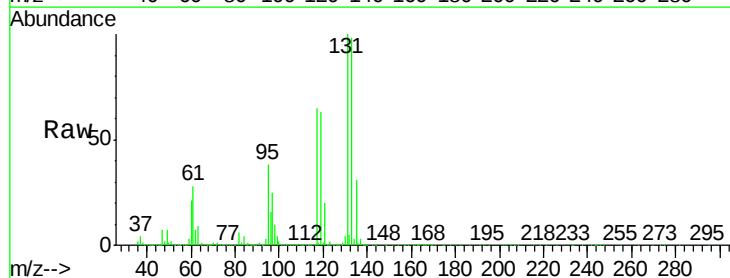
Tgt Ion:131 Resp: 162901

Ion Ratio Lower Upper

131 100

133 97.1 48.1 144.4

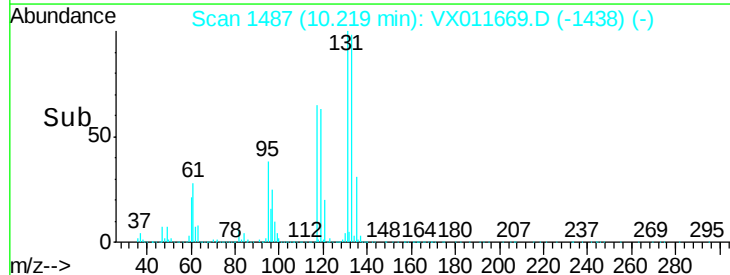
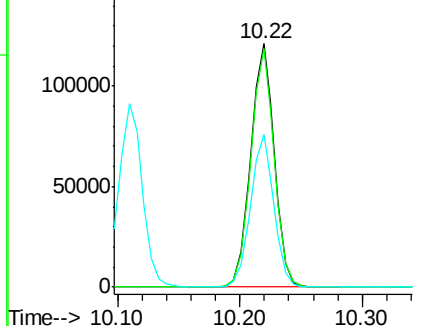
119 61.9 31.3 93.8

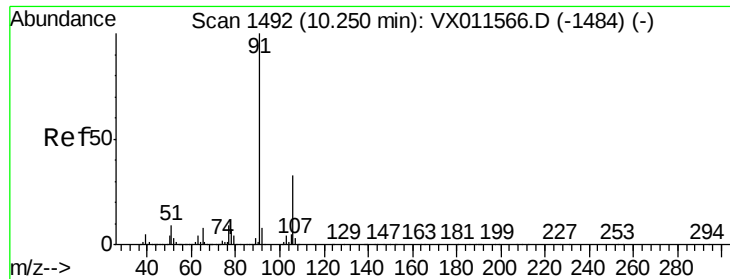


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.075 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 721170

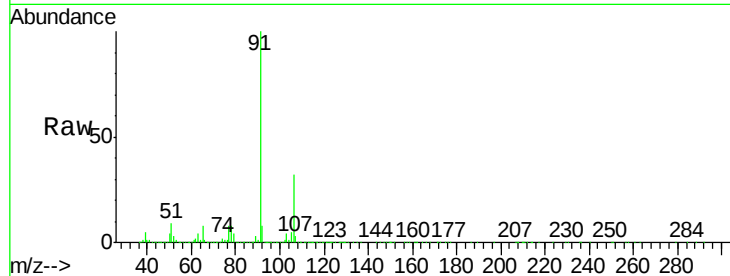
Ion Ratio Lower Upper

91 100

106 31.5 26.0 39.0

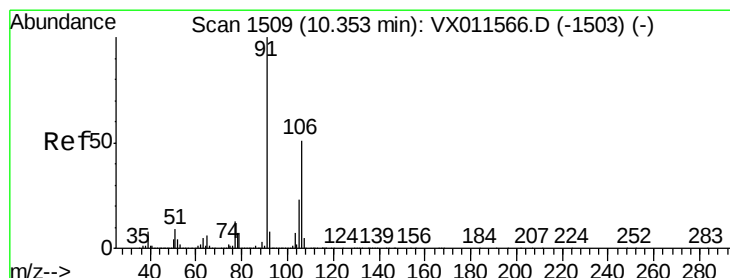
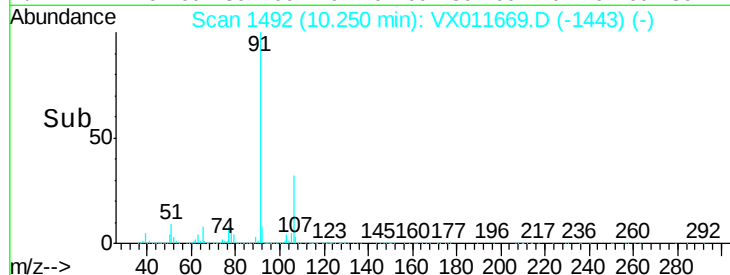
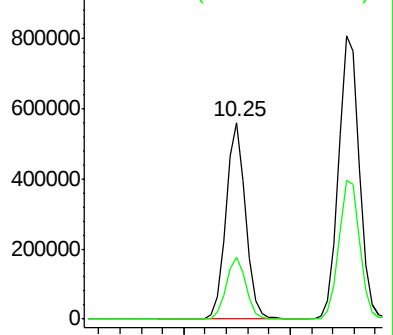
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 105.015 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011669.D

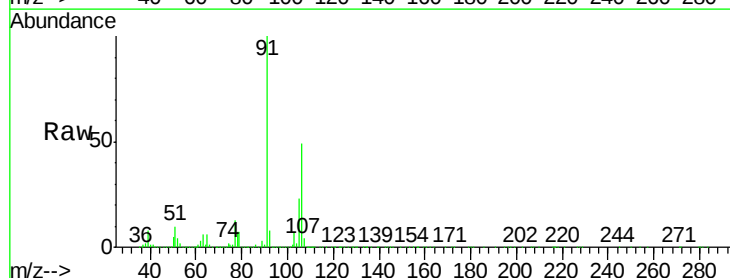
Acq: 20 Aug 2019 06:35

Tgt Ion: 106 Resp: 547721

Ion Ratio Lower Upper

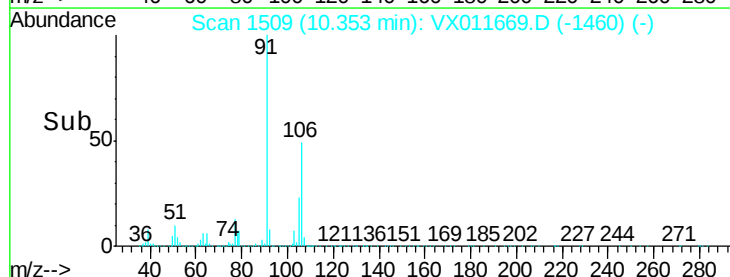
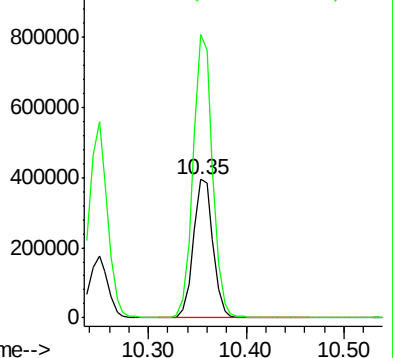
106 100

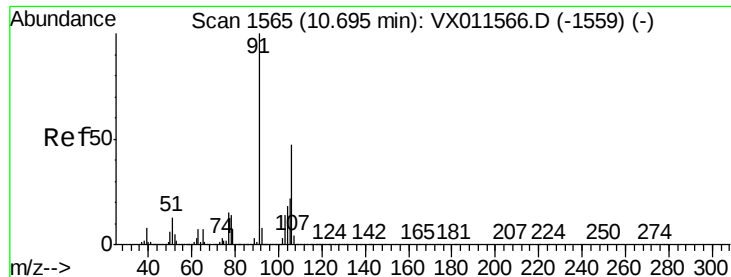
91 201.8 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





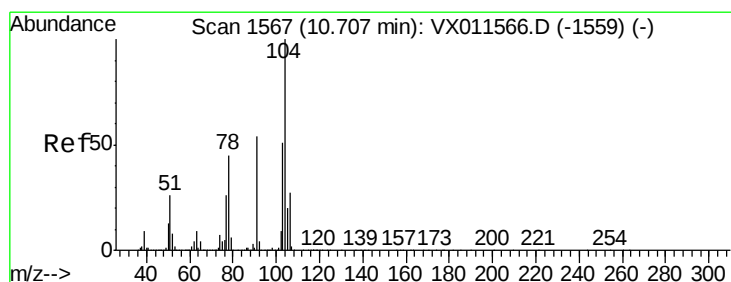
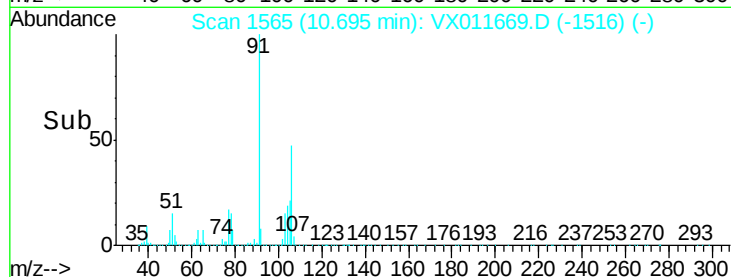
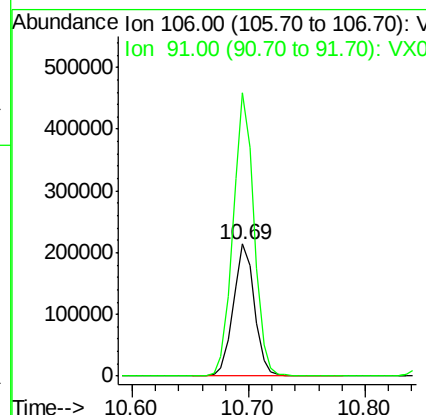
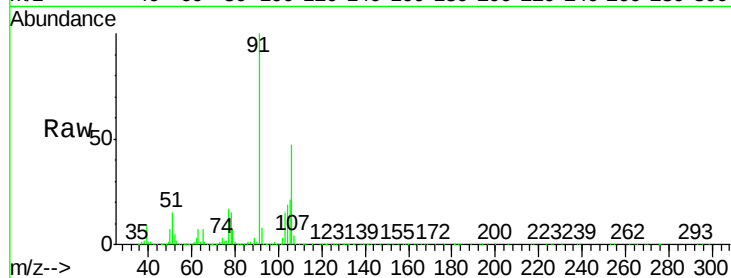
#69
o-Xylene
Concen: 52.962 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.2	105.5	316.4

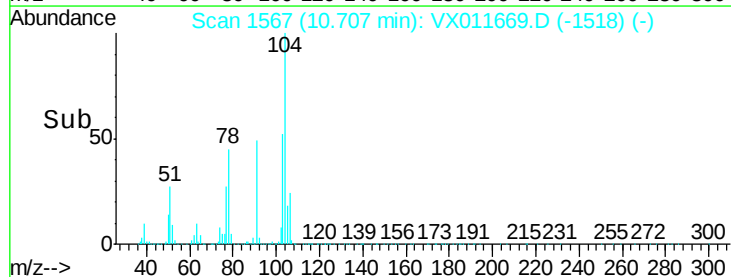
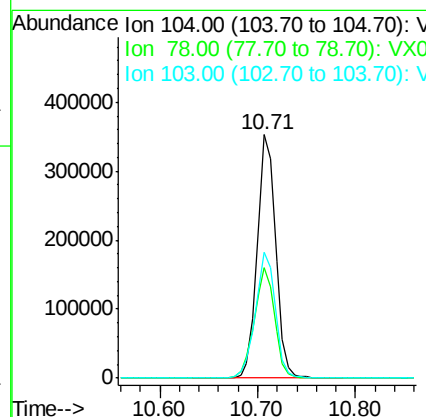
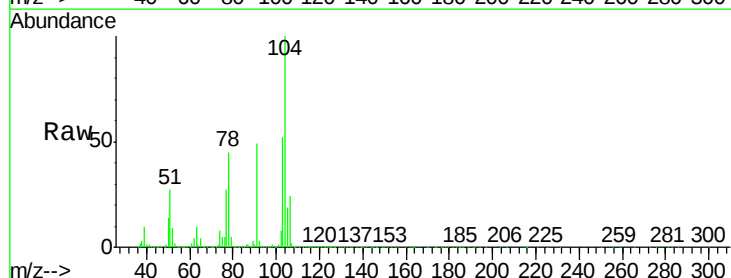
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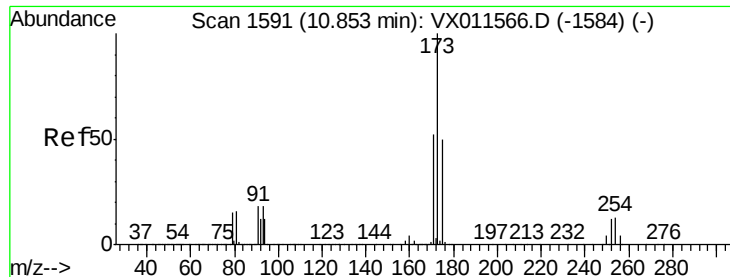
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#70
Styrene
Concen: 53.966 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.5	38.2	57.4
103	55.6	43.6	65.4





#71

Bromoform

Concen: 47.275 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

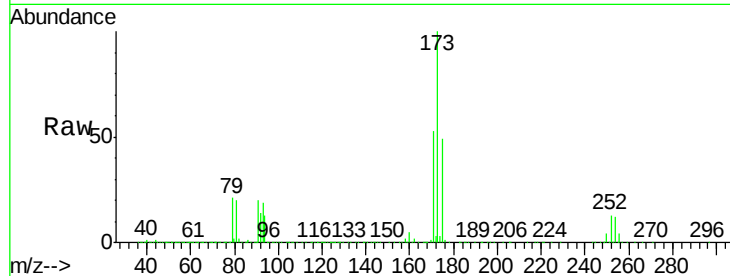
ClientSampleId :

VSTDCCC050EC

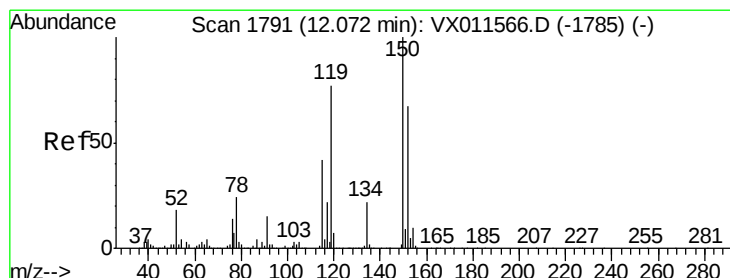
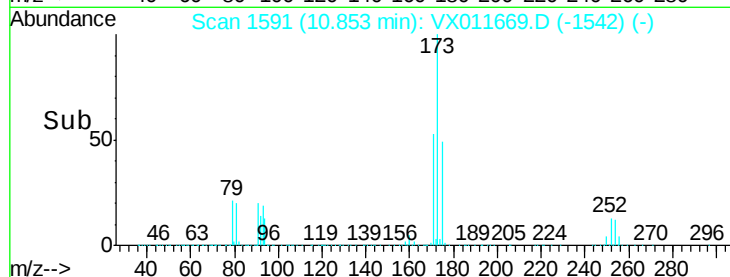
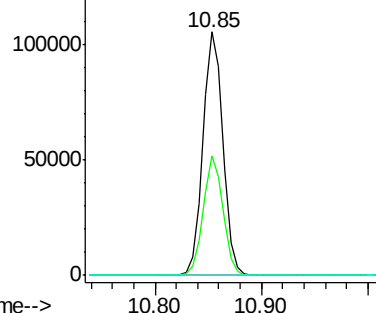
Tot Ion:	173	Resp:	139234
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.9	74.7
254	0.3	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

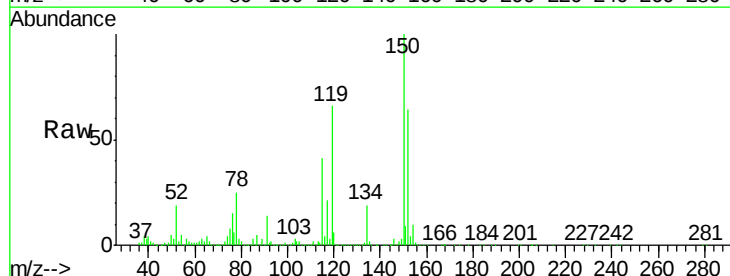
RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

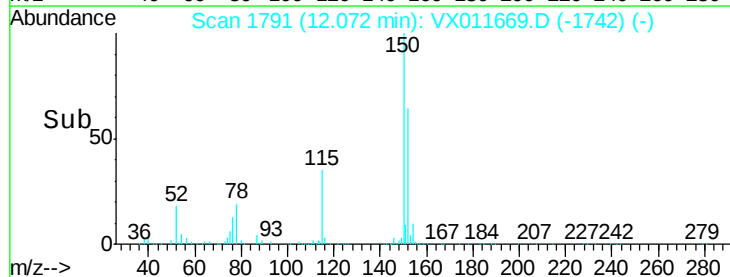
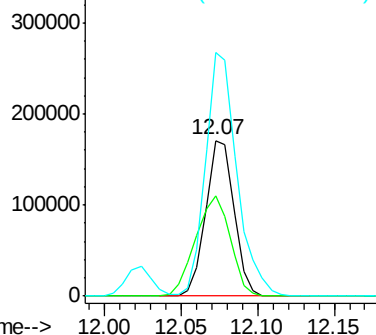
Lab File: VX011669.D

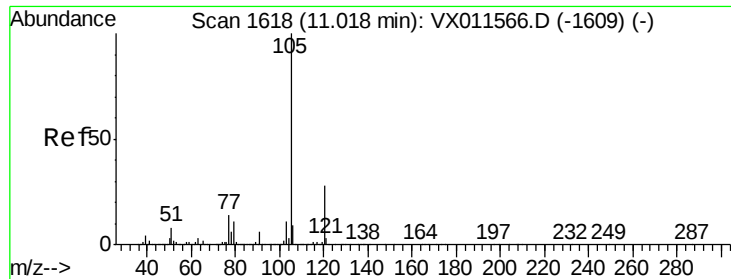
Acq: 20 Aug 2019 06:35

Tgt Ion:	152	Resp:	218498
Ion Ratio	Lower	Upper	
152	100		
115	79.4	37.3	111.9
150	173.9	0.0	346.2



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





#73

Isopropylbenzene

Concen: 51.400 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 728749

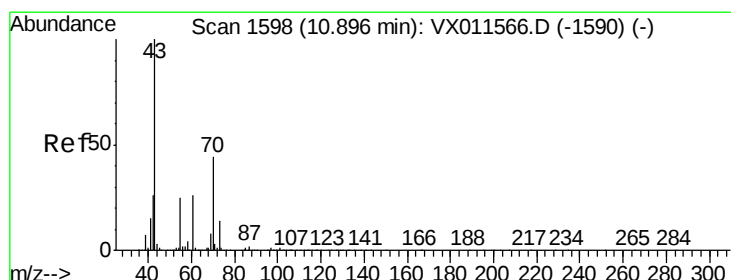
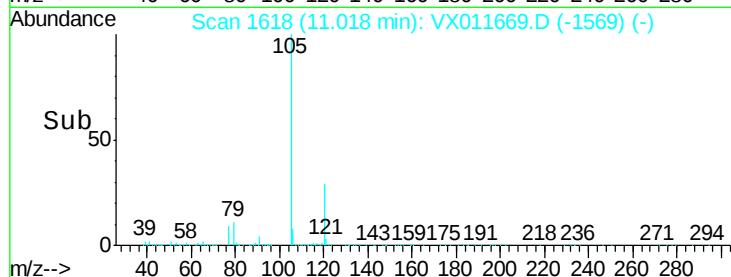
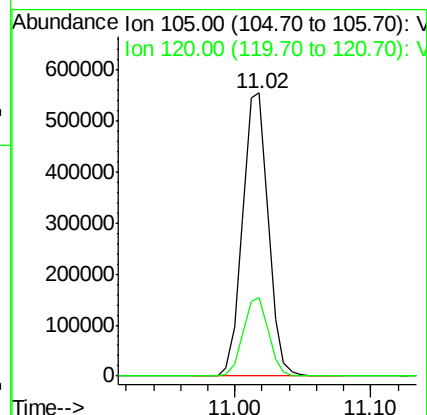
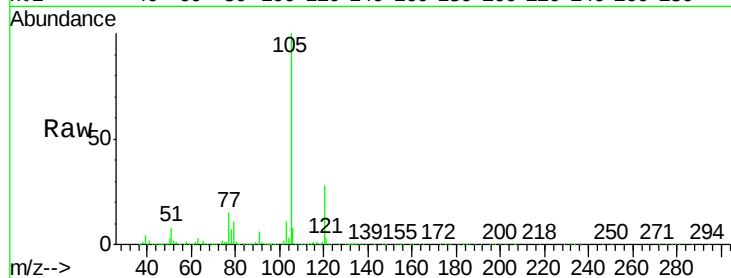
Ion Ratio Lower Upper

105 100

120 27.5 14.0 41.9

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#74

N-ethyl acetate

Concen: 51.342 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tgt Ion: 43 Resp: 309346

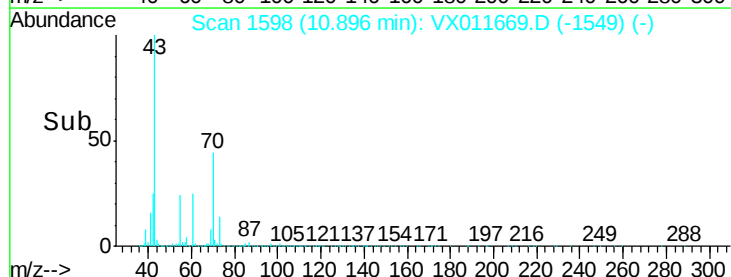
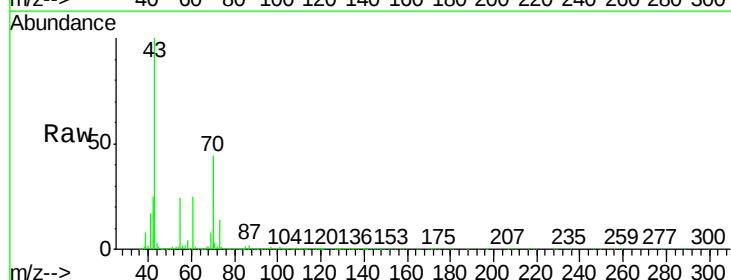
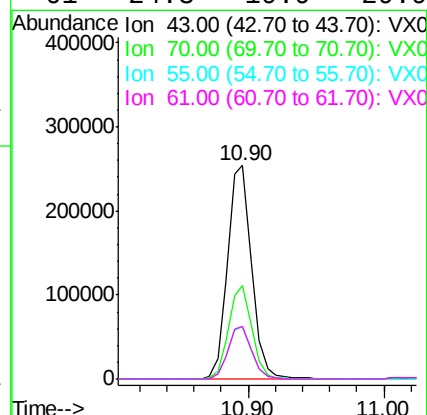
Ion Ratio Lower Upper

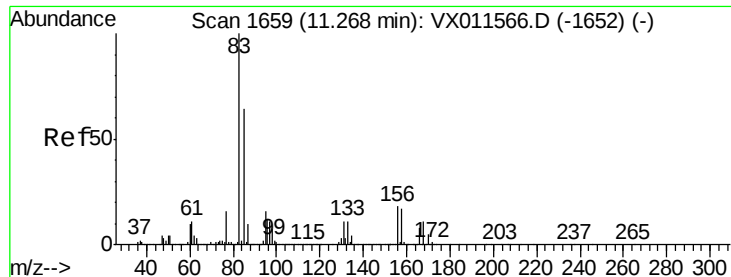
43 100

70 42.8 34.7 52.1

55 24.4 19.6 29.4

61 24.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.341 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

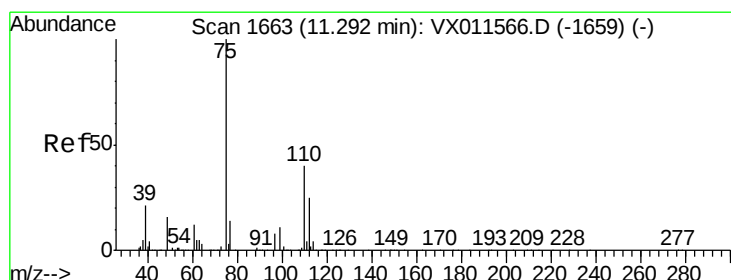
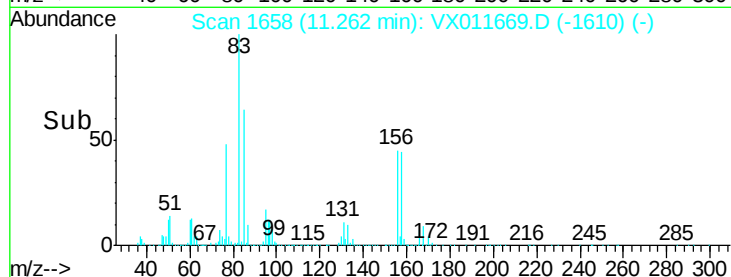
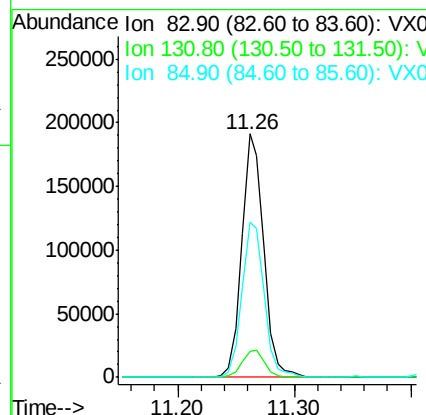
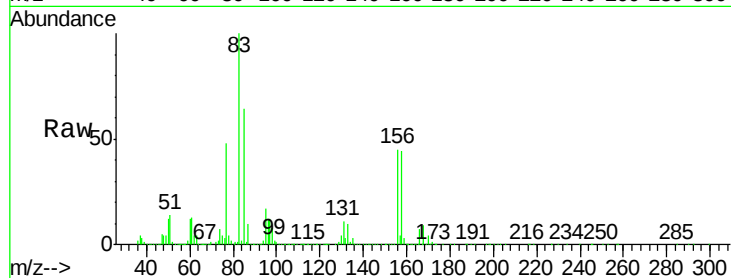
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	250405
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.3
85	65.1	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.804 ug/l m

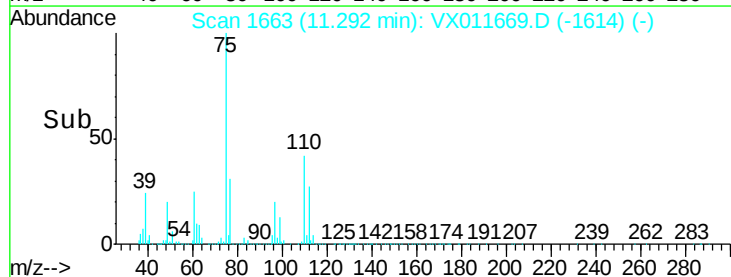
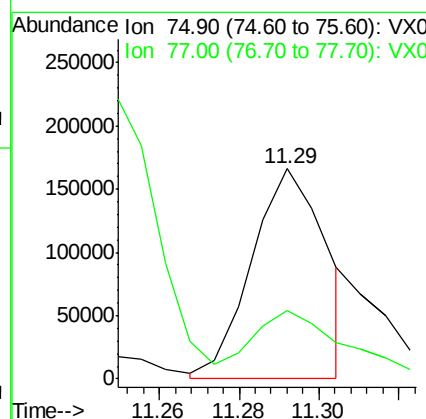
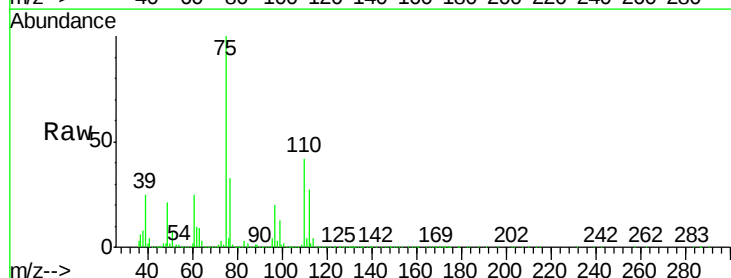
RT: 11.29 min Scan# 1663

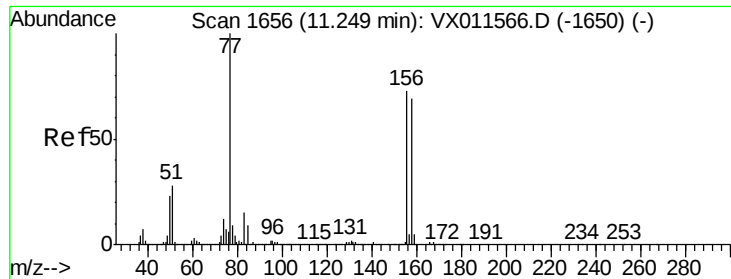
Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tgt Ion:	75	Resp:	214637
Ion Ratio	Lower	Upper	
75	100		
77	40.8	20.9	62.8





#77

Bromobenzene

Concen: 49.278 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

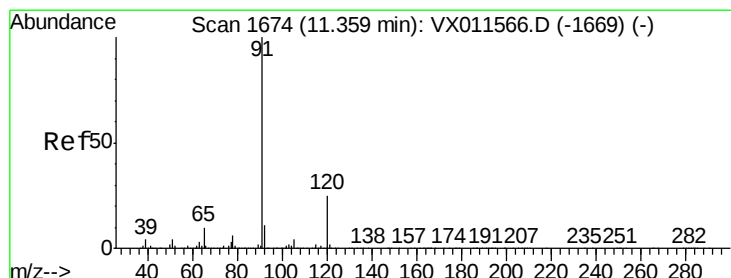
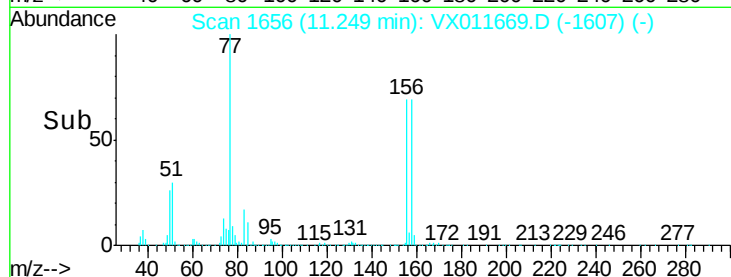
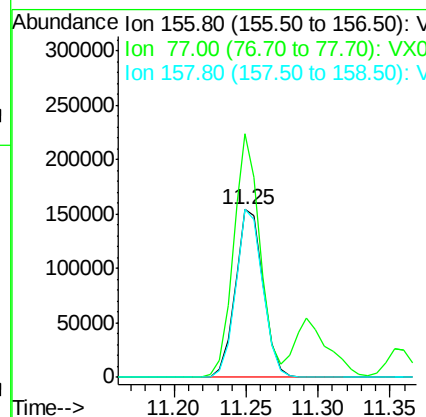
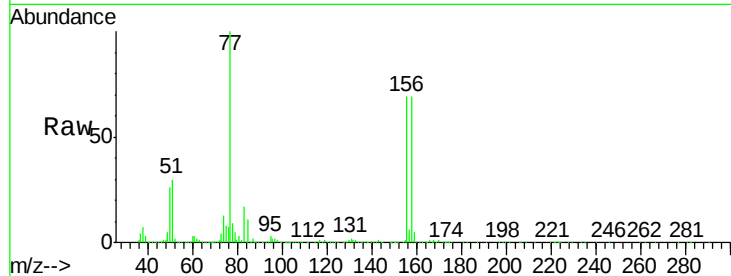
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	207864
Ion Ratio	Lower	Upper	
156	100		
77	138.5	64.6	193.9
158	97.7	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 53.501 ug/l

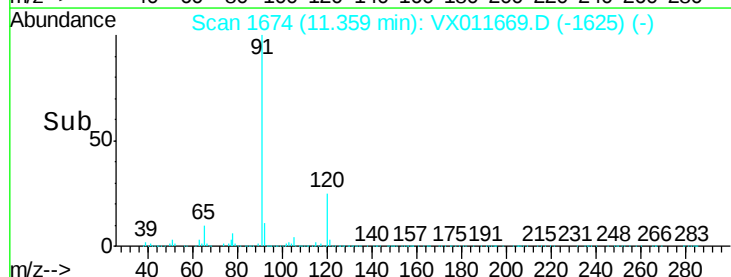
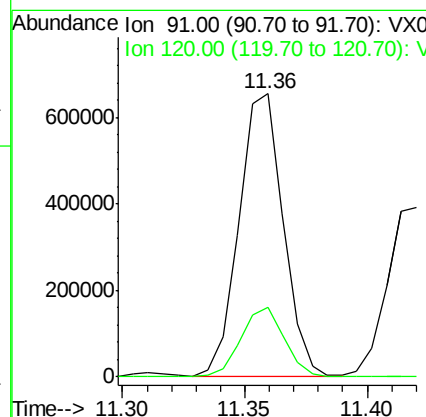
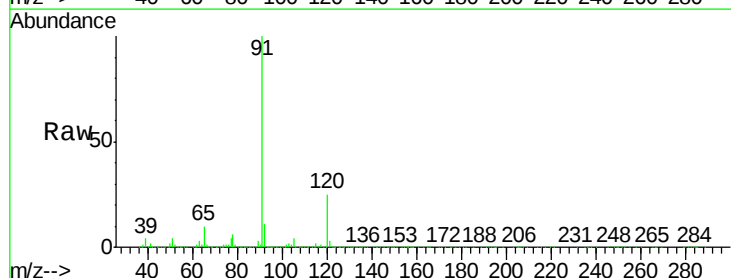
RT: 11.36 min Scan# 1674

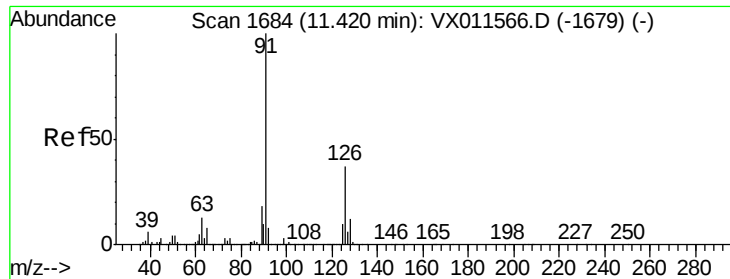
Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tgt Ion:	91	Resp:	817936
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.6	37.6





#79

2-Chlorotoluene

Concen: 54.141 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 508264

Ion Ratio Lower Upper

91 100

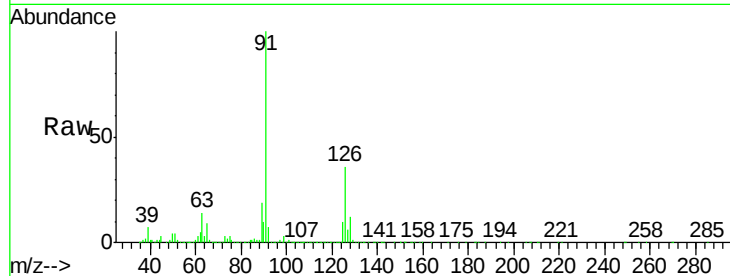
126 35.8 18.4 55.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX011566.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011566.D (-1679) (-)

600000

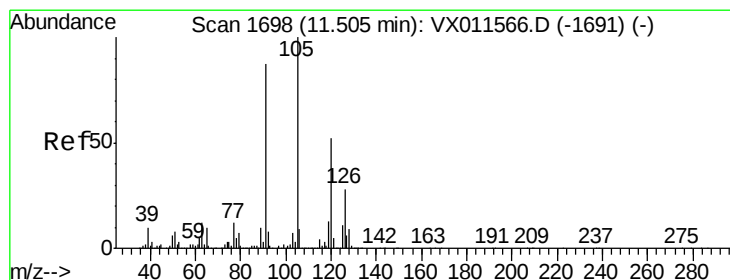
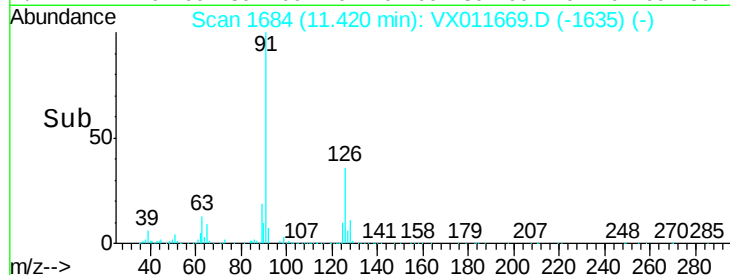
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.502 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VX011669.D

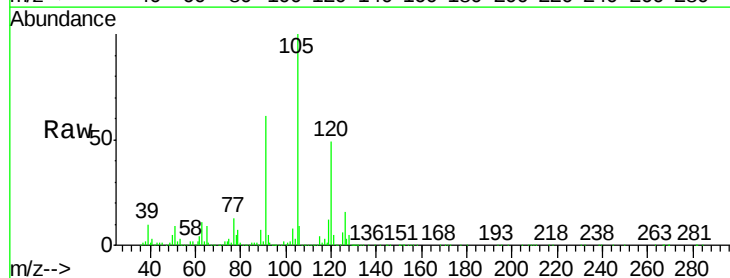
Acq: 20 Aug 2019 06:35

Tgt Ion: 105 Resp: 649117

Ion Ratio Lower Upper

105 100

120 49.2 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX011566.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX011566.D (-1691) (-)

600000

500000

400000

300000

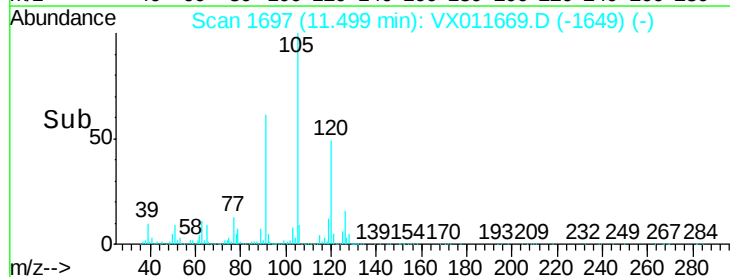
200000

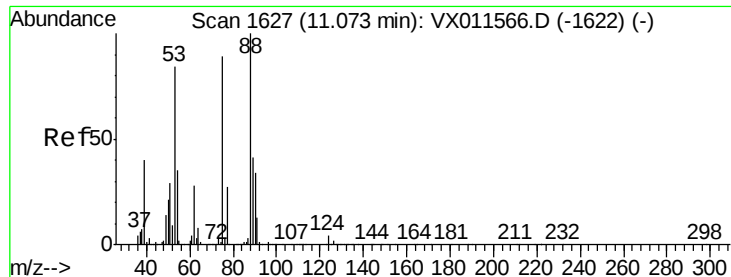
100000

0

11.45 11.50 11.55 11.60

Time-->





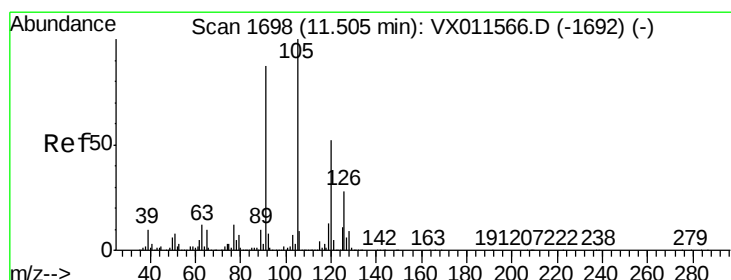
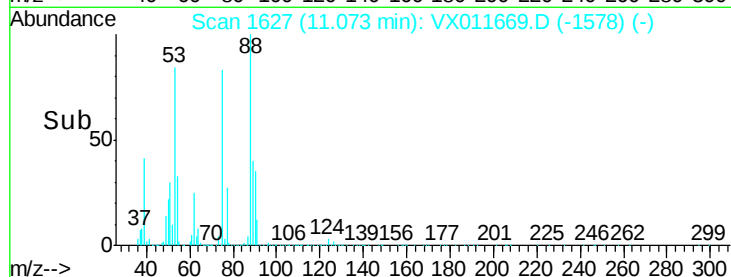
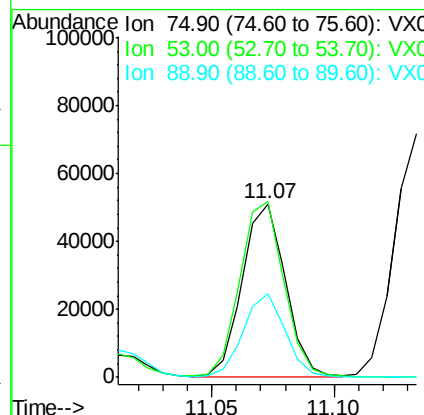
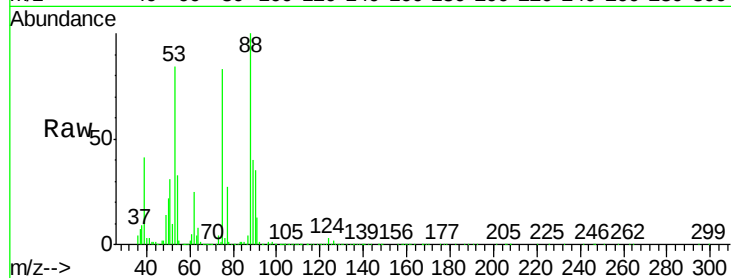
#81
trans-1,4-Dichloro-2-butene
Concen: 41.439 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.9	77.4	116.0
89	47.9	37.3	55.9

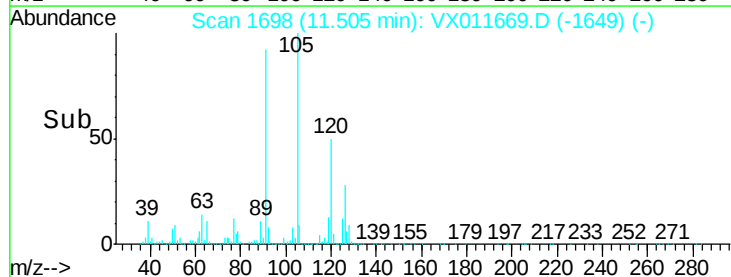
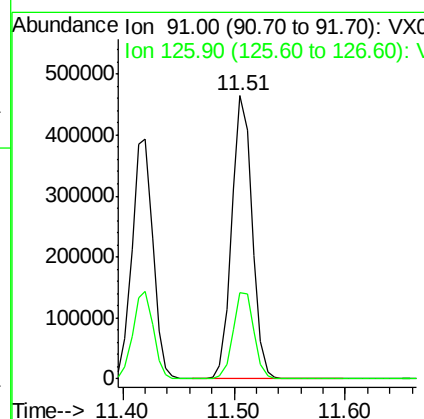
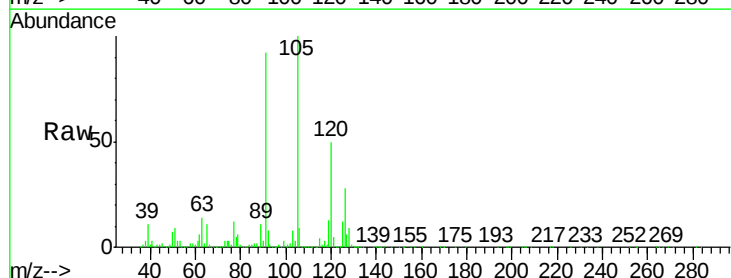
Manual Integrations
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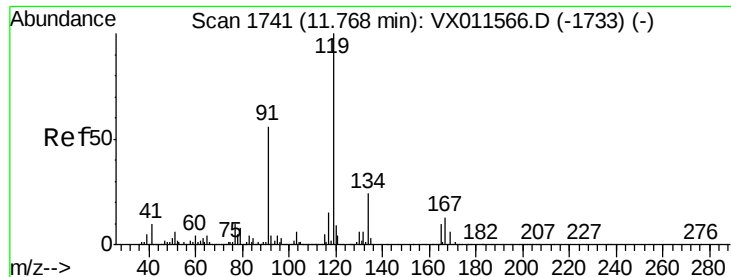
MMDadoda
8/20/2019 3:40:26 PM



#82
4-Chlorotoluene
Concen: 53.897 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.4	49.1





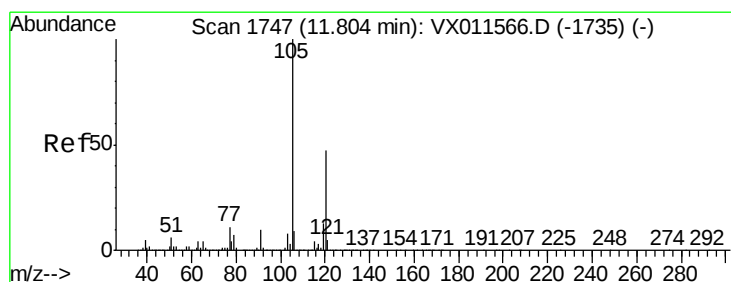
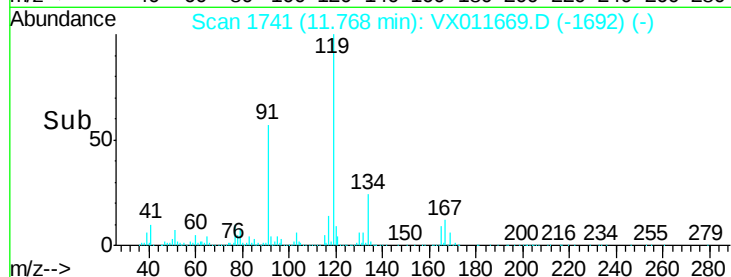
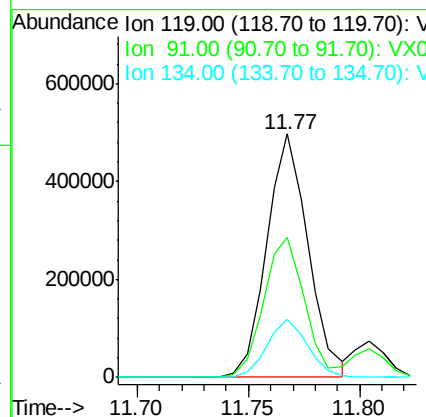
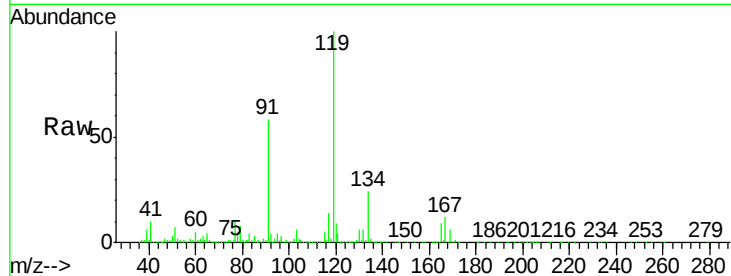
#83
tert-Butylbenzene
Concen: 52.775 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	640171		
91	57.4	27.1	81.3	
134	23.5	11.8	35.3	

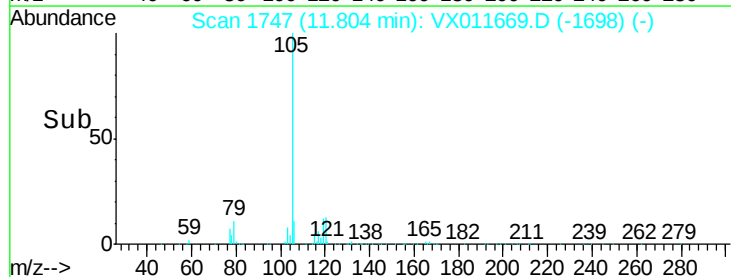
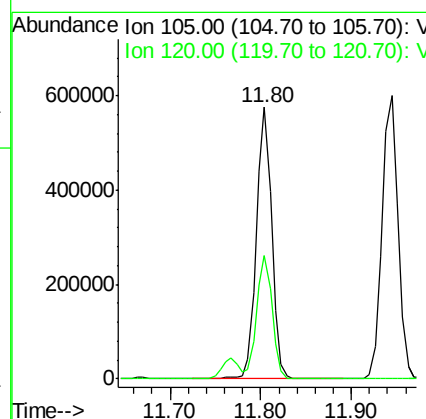
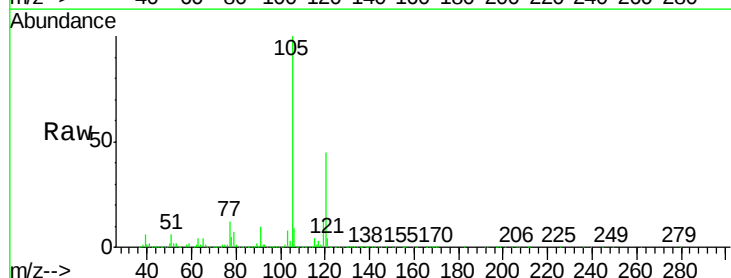
Manual Integrations
APPROVED

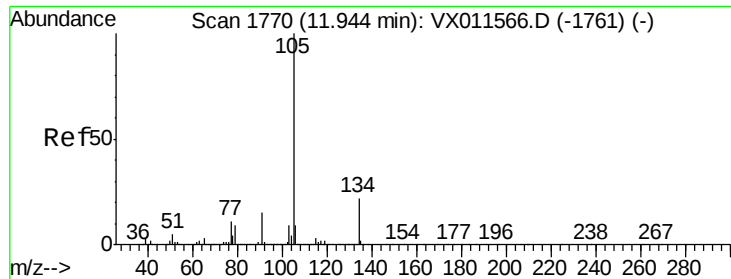
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 56.281 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	672939		
120	45.7	23.3	69.9	





#85

sec-Butylbenzene

Concen: 53.458 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 731604

Ion Ratio Lower Upper

105 100

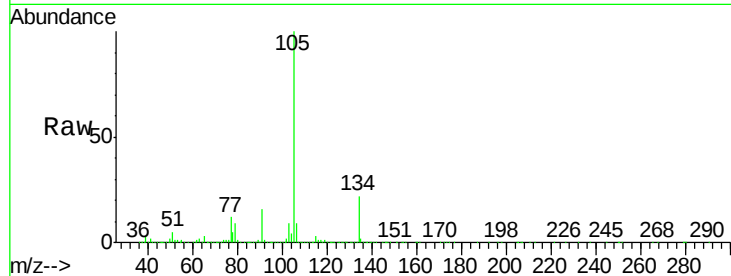
134 21.1 10.8 32.4

Manual Integrations

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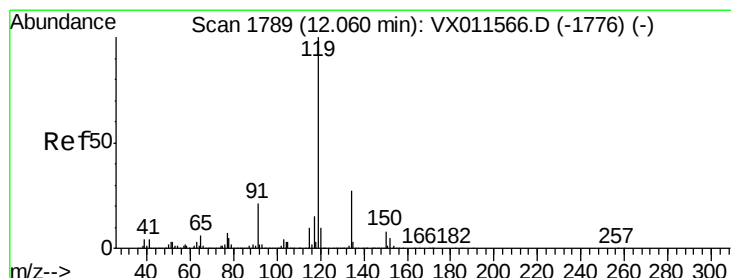
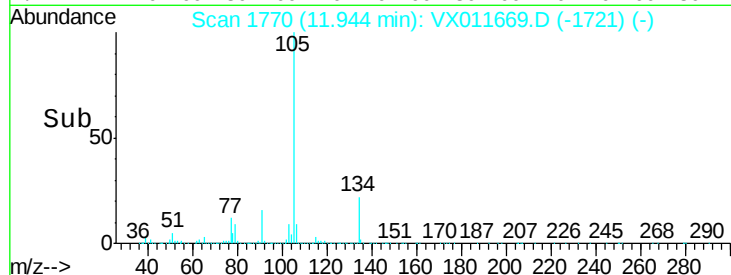
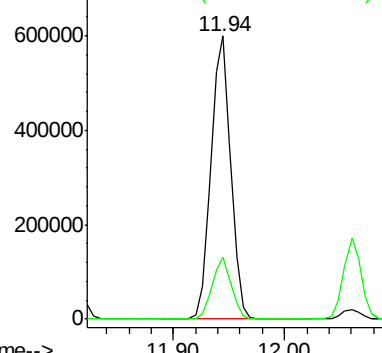
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.301 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

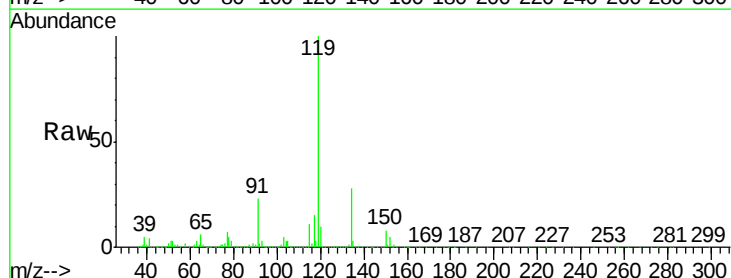
Tgt Ion:119 Resp: 699124

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

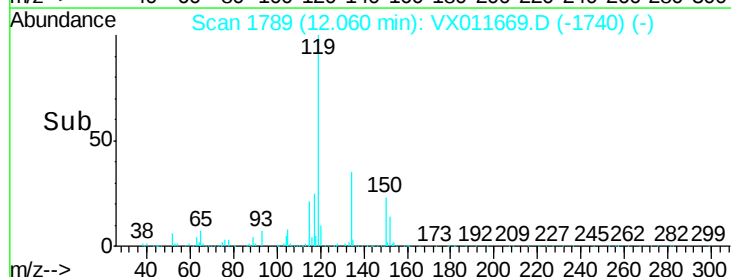
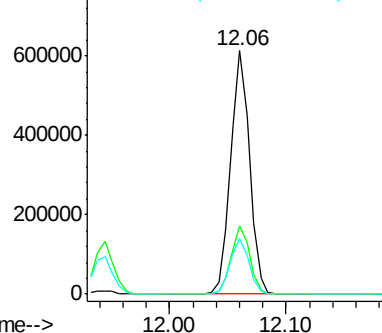
91 22.8 10.9 32.9

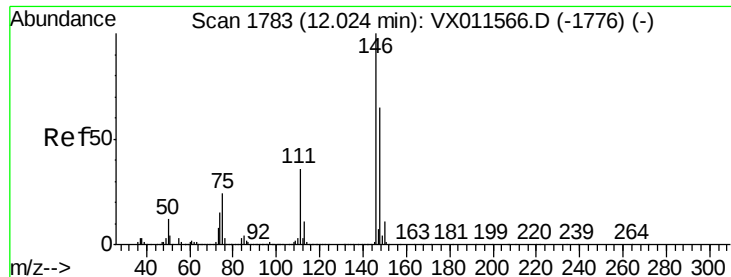


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





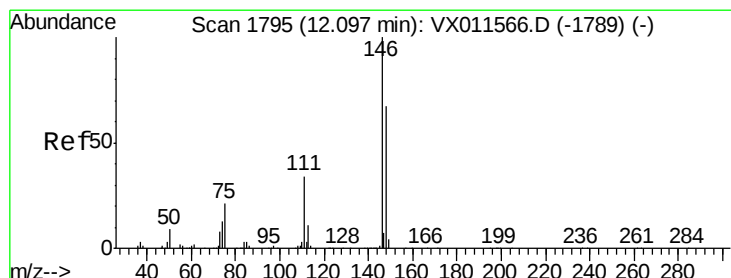
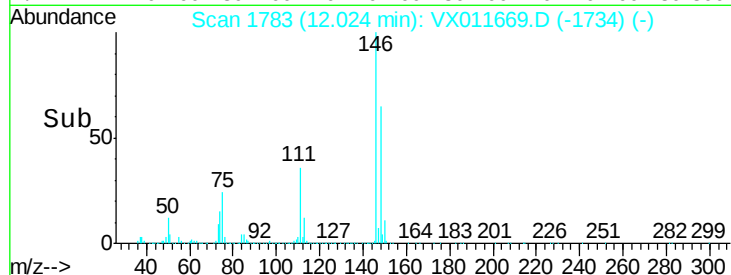
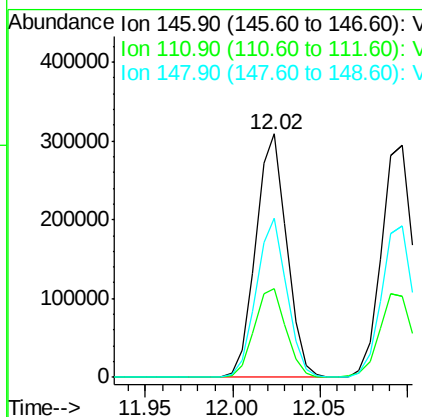
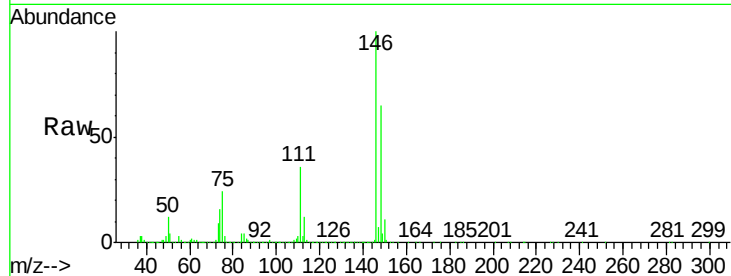
#87
 1,3-Dichlorobenzene
 Concen: 52.434 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011669.D
 Acq: 20 Aug 2019 06:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.4
148	64.3	32.0	96.0

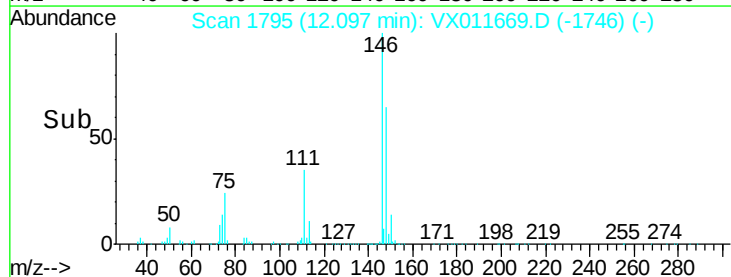
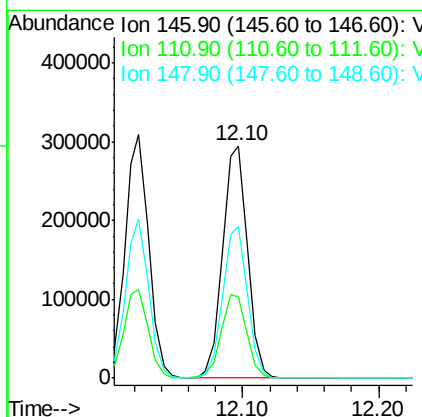
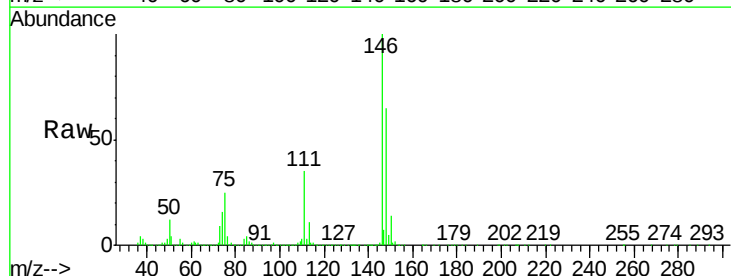
Manual Integrations
 APPROVED

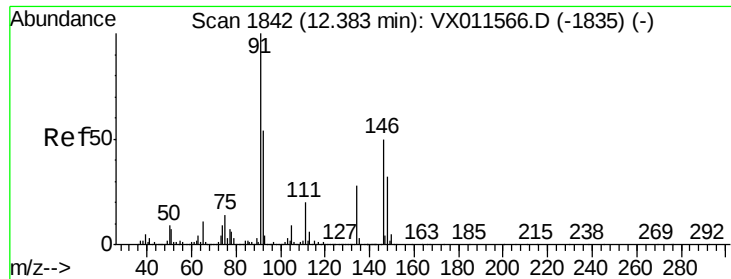
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 8/20/2019 3:40:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.526 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011669.D
 Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	17.9	53.7
148	65.3	32.5	97.5





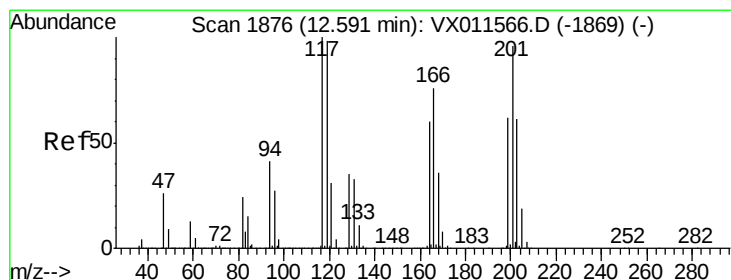
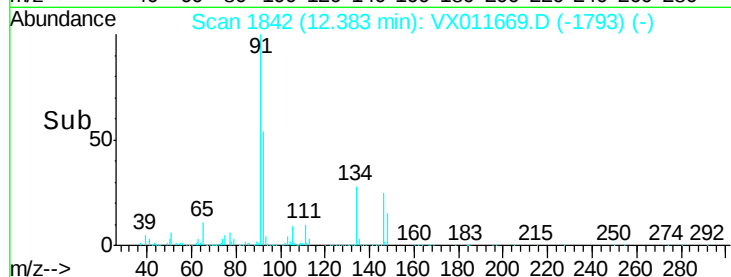
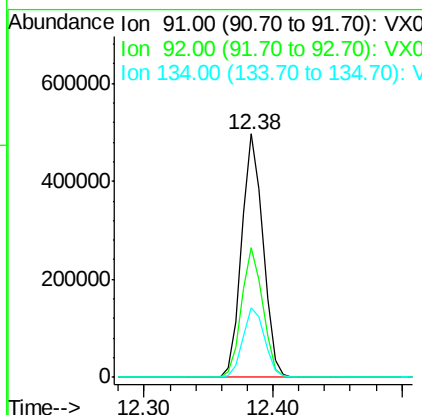
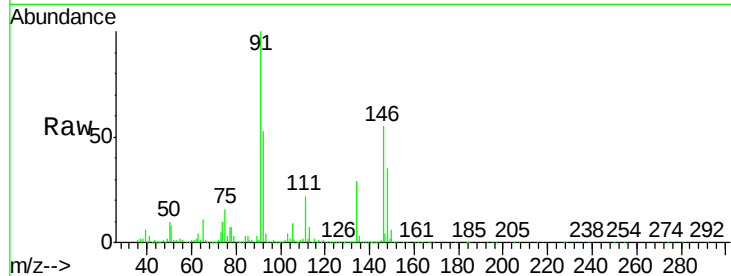
#89
n-Butylbenzene
Concen: 53.827 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.3
134	29.2	14.6	44.0

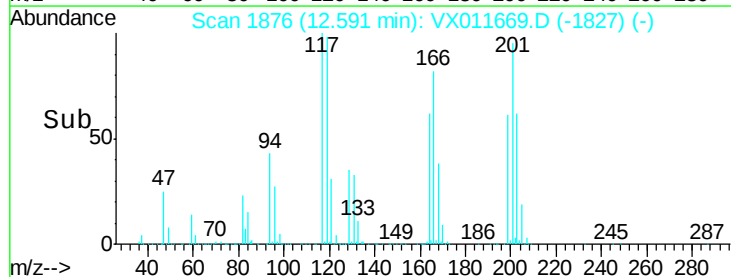
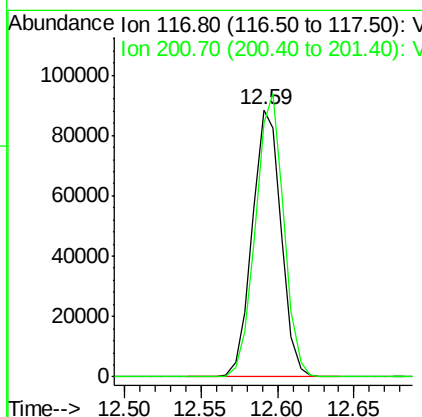
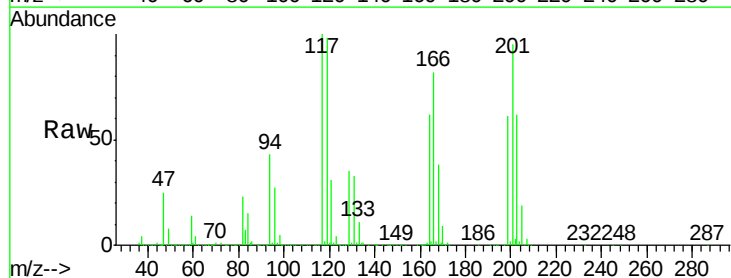
Manual Integrations
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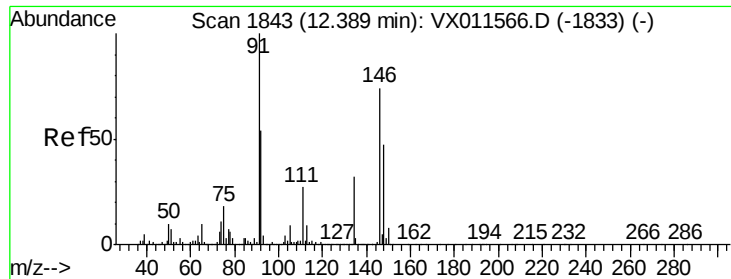
MMDadoda
8/20/2019 3:40:26 PM



#90
Hexachloroethane
Concen: 56.771 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.3	51.9	155.7





#91

1,2-Dichlorobenzene

Concen: 54.209 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

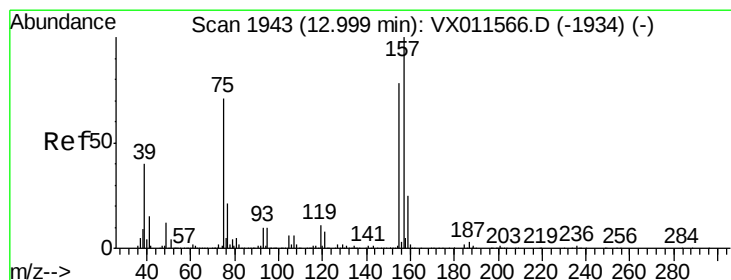
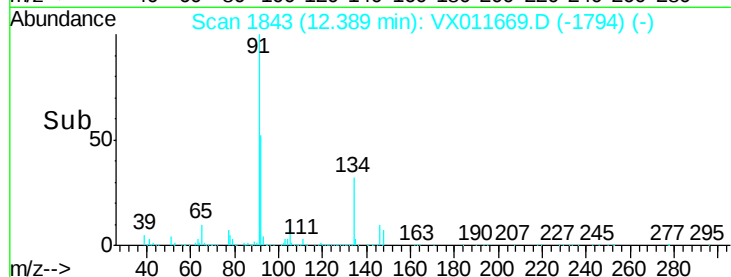
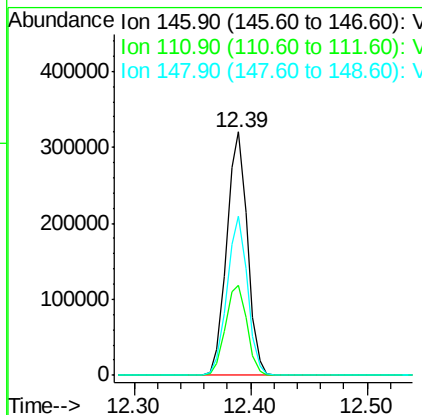
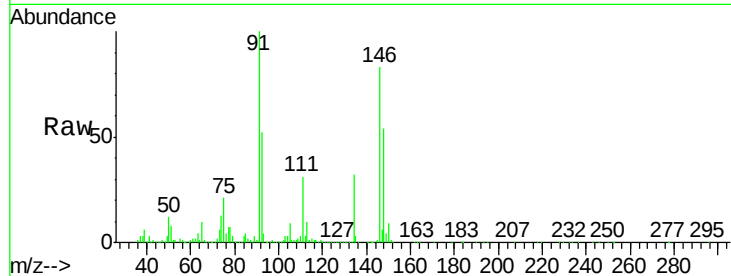
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	394546
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.9	56.7
148	64.6	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 54.763 ug/l

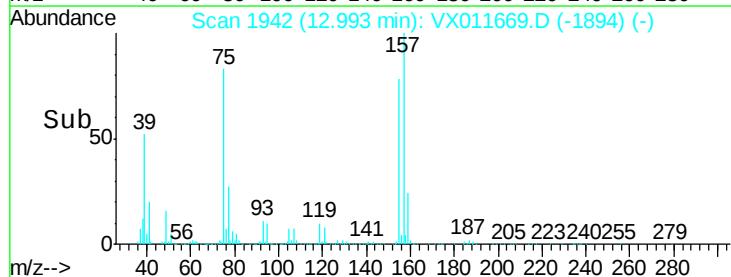
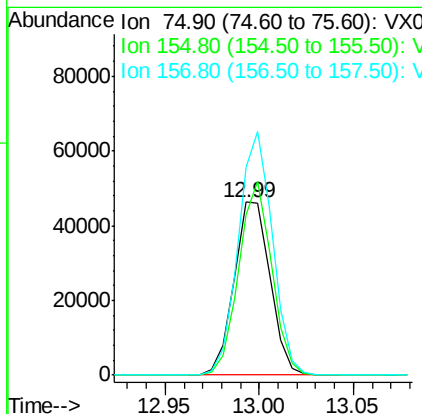
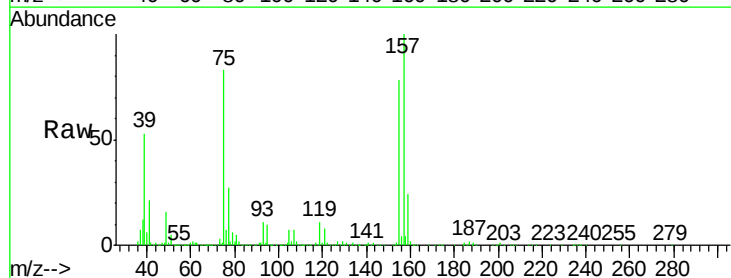
RT: 12.99 min Scan# 1942

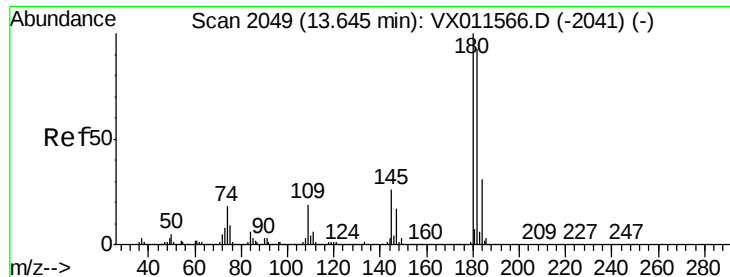
Delta R.T. -0.01 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tgt Ion:	75	Resp:	61106
Ion Ratio	Lower	Upper	
75	100		
155	103.6	53.0	159.0
157	133.8	68.3	205.1





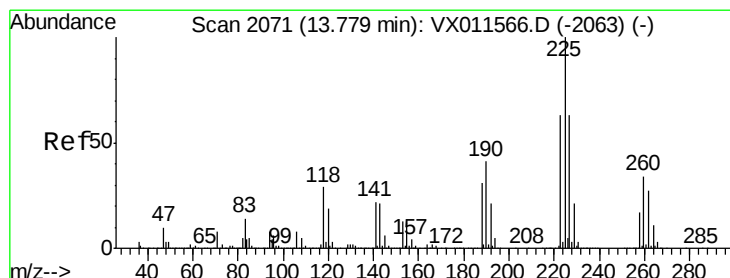
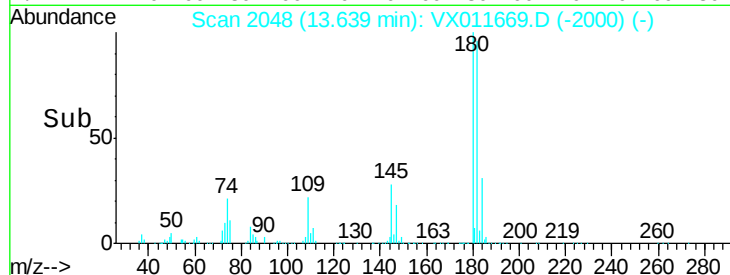
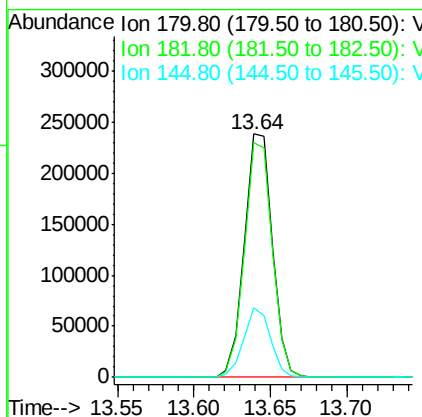
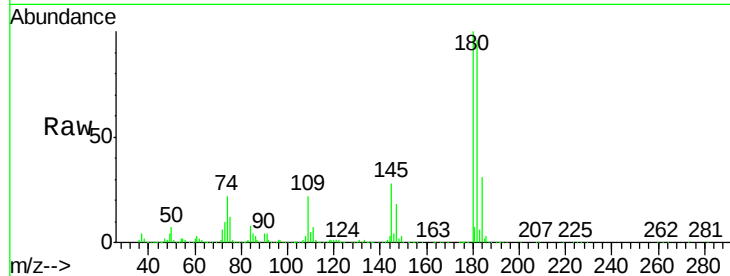
#93
1,2,4-Trichlorobenzene
Concen: 55.903 ug/l
RT: 13.64 min Scan# 2048
Delta R.T. -0.01 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.3	142.0	
145	27.3	13.6	40.8	

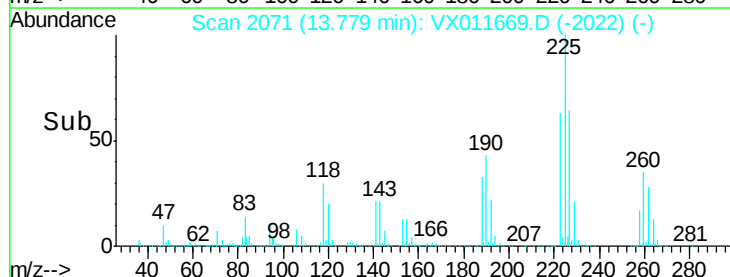
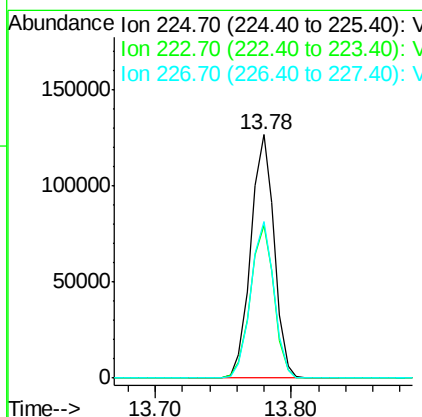
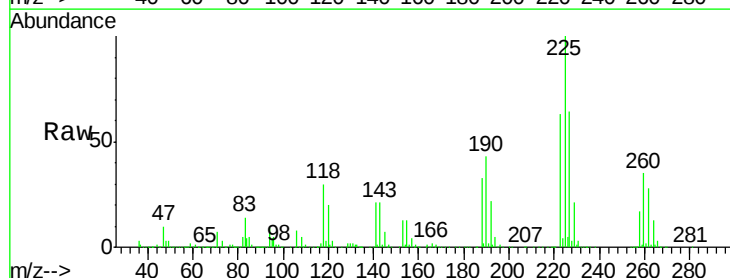
Manual Integrations
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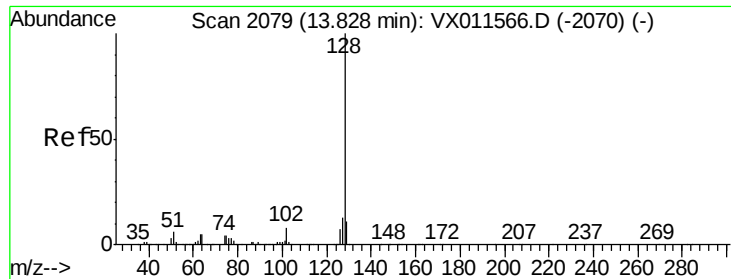
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#94
Hexachlorobutadiene
Concen: 51.854 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX011669.D
Acq: 20 Aug 2019 06:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.4	94.0	
227	63.8	31.2	93.6	





#95

Naphthalene

Concen: 59.074 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Instrument :

MSVOA_X

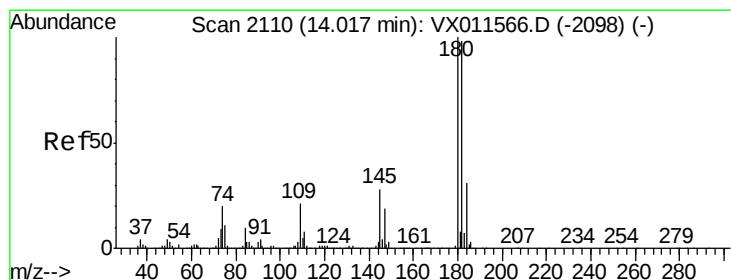
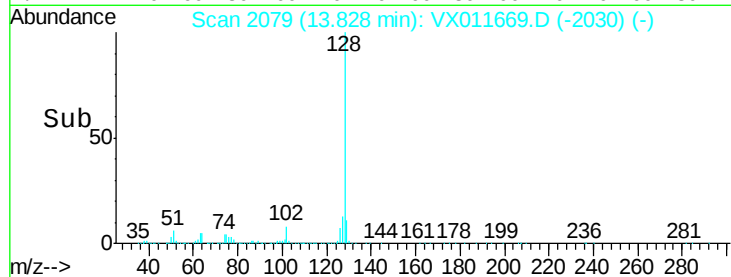
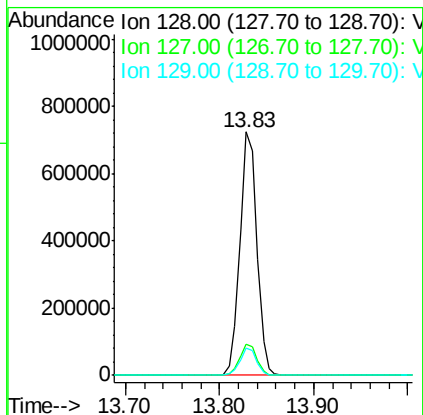
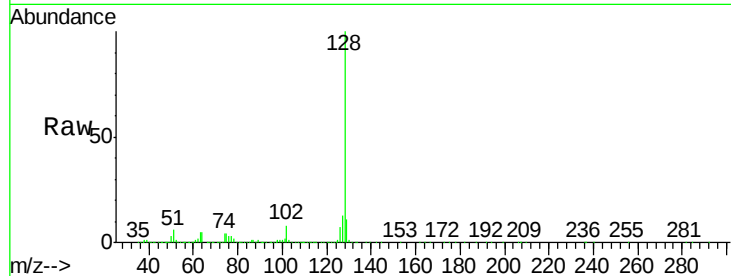
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	905674
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 57.512 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011669.D

Acq: 20 Aug 2019 06:35

Tgt Ion:	180	Resp:	314580
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.0
145	29.1	14.6	43.8

