

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
 Data File : VX011617.D
 Acq On : 17 Aug 2019 06:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:29:07 AM

Quant Time: Aug 19 04:56:24 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	342729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	480462	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	420419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	241146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	149225	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	5.49	113	139705	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	
50) Toluene-d8	8.71	98	455361	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
62) 4-Bromofluorobenzene	11.13	95	189151	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	184947	54.899	ug/l	98
3) Chloromethane	1.32	50	159548	45.599	ug/l	100
4) Vinyl Chloride	1.40	62	155713	49.265	ug/l	98
5) Bromomethane	1.63	94	74051	52.287	ug/l	96
6) Chloroethane	1.71	64	80132	53.566	ug/l	97
7) Trichlorofluoromethane	1.92	101	227253	51.908	ug/l	99
8) Diethyl Ether	2.18	74	78849	52.504	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	145629	48.159	ug/l	98
10) Methyl Iodide	2.50	142	214463	49.786	ug/l	100
11) Tert butyl alcohol	3.04	59	203664	261.194	ug/l	99
12) 1,1-Dichloroethene	2.37	96	141340	48.366	ug/l	98
13) Acrolein	2.29	56	53685	225.037	ug/l	95
14) Allyl chloride	2.72	41	239147	49.195	ug/l	98
15) Acrylonitrile	3.14	53	472991	265.040	ug/l	99
16) Acetone	2.43	43	409540	256.261	ug/l	99
17) Carbon Disulfide	2.56	76	340969	49.516	ug/l	100
18) Methyl Acetate	2.76	43	275201	55.525	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	509478	53.531	ug/l	100
20) Methylene Chloride	2.85	84	167958	50.054	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	157589	50.888	ug/l	98
22) Diisopropyl ether	3.85	45	508509	52.526	ug/l	99
23) Vinyl Acetate	3.81	43	2042284	266.401	ug/l	100
24) 1,1-Dichloroethane	3.69	63	279660	51.093	ug/l	98
25) 2-Butanone	4.67	43	654427	260.838	ug/l	96
26) 2,2-Dichloropropane	4.58	77	132767	32.228	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	183734	50.894	ug/l	97
28) Bromochloromethane	5.01	49	118333	49.248	ug/l	99
29) Tetrahydrofuran	5.12	42	432210	262.615	ug/l	99
30) Chloroform	5.20	83	295836	51.213	ug/l	98
31) Cyclohexane	5.57	56	245615	52.118	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	263035	52.957	ug/l	100
36) 1,1-Dichloropropene	5.79	75	211027	51.371	ug/l	99
37) Ethyl Acetate	4.82	43	247827	52.452	ug/l	100
38) Carbon Tetrachloride	5.78	117	228265	50.436	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	247163	48.722	ug/l	97
40) Benzene	6.13	78	645980	50.603	ug/l	97
41) Methacrylonitrile	5.04	41	138076	53.098	ug/l	99
42) 1,2-Dichloroethane	6.18	62	230590	52.136	ug/l	99
43) Isopropyl Acetate	6.44	43	382716	51.903	ug/l	100
44) Trichloroethene	7.21	130	191612	50.598	ug/l	99
45) 1,2-Dichloropropane	7.51	63	167661	52.663	ug/l	95
46) Dibromomethane	7.66	93	116244	50.246	ug/l	99
47) Bromodichloromethane	7.90	83	221400	52.120	ug/l	99
48) Methyl methacrylate	7.77	41	197095	53.976	ug/l	99
49) 1,4-Dioxane	7.74	88	97438	1003.244	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1269902	263.117	ug/l	100
52) Toluene	8.78	92	418110	51.410	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	219144	49.708	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	244493	50.675	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	177124	51.214	ug/l	99
56) Ethyl methacrylate	9.18	69	269822	53.678	ug/l	99
57) 1,3-Dichloropropane	9.37	76	283368	51.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	654172	261.186	ug/l	99
59) 2-Hexanone	9.49	43	982914	264.090	ug/l	100
60) Dibromochloromethane	9.58	129	194510	53.980	ug/l	98
61) 1,2-Dibromoethane	9.67	107	193772	52.498	ug/l	98
64) Tetrachloroethene	9.34	164	190516	55.231	ug/l	99
65) Chlorobenzene	10.13	112	461077	51.419	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	180978	53.997	ug/l	99
67) Ethyl Benzene	10.25	91	795088	53.129	ug/l	99
68) m/p-Xylenes	10.35	106	602764	104.929	ug/l	96
69) o-Xylene	10.69	106	297052	52.791	ug/l	98
70) Styrene	10.71	104	515947	54.468	ug/l	99
71) Bromoform	10.85	173	160838	49.423	ug/l #	98
73) Isopropylbenzene	11.02	105	816588	52.186	ug/l	100
74) N-amyl acetate	10.90	43	343423	51.645	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	268071	49.801	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	229678m	50.228	ug/l	
77) Bromobenzene	11.25	156	238499	51.230	ug/l	100
78) n-propylbenzene	11.36	91	884811	52.440	ug/l	100
79) 2-Chlorotoluene	11.42	91	534214	51.561	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	690580	52.537	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	67012	40.623	ug/l	96
82) 4-Chlorotoluene	11.51	91	621517	51.706	ug/l	100
83) tert-Butylbenzene	11.77	119	693771	51.822	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	699633	53.018	ug/l	100
85) sec-Butylbenzene	11.94	105	783635	51.882	ug/l	100
86) p-Isopropyltoluene	12.06	119	746659	52.546	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	410126	51.253	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	409035	50.434	ug/l	99
89) n-Butylbenzene	12.38	91	596398	51.052	ug/l	100
90) Hexachloroethane	12.59	117	116903	52.098	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	411471	51.224	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	62515	50.764	ug/l	99

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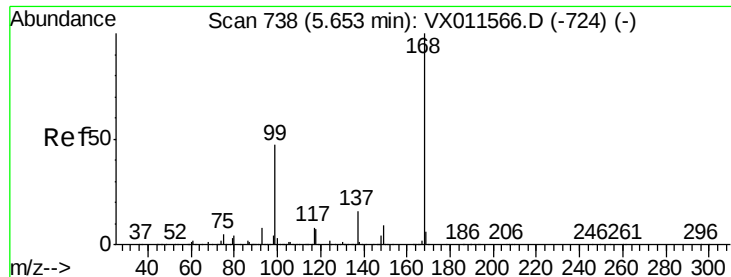
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	310719	51.915	ug/l	100
94) Hexachlorobutadiene	13.78	225	160504	49.249	ug/l	99
95) Naphthalene	13.83	128	923551	54.583	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	323130	53.527	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: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 342729

Ion Ratio Lower Upper

168 100

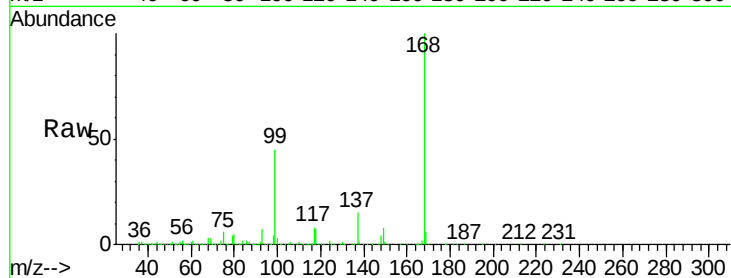
99 44.5 37.3 55.9

Manual Integrations

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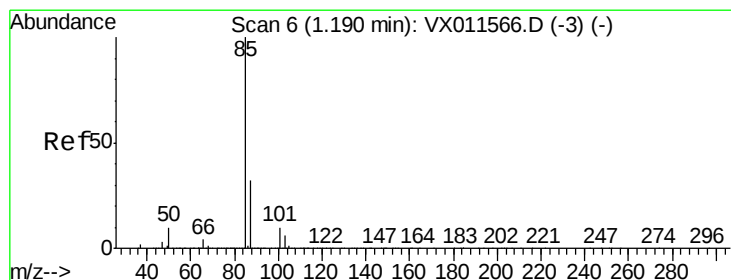
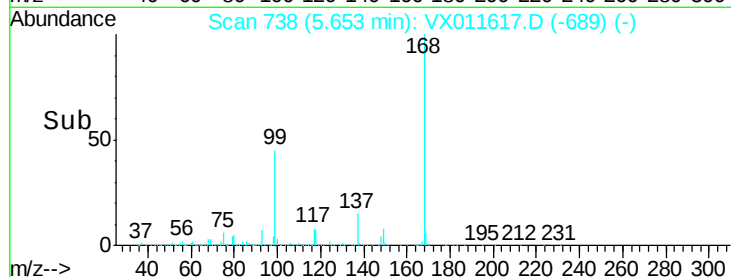
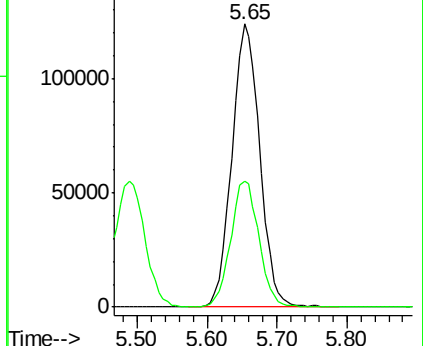
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 54.899 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011617.D

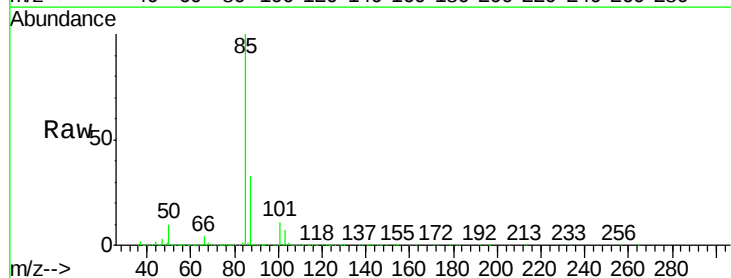
Acq: 17 Aug 2019 06:29

Tgt Ion: 85 Resp: 184947

Ion Ratio Lower Upper

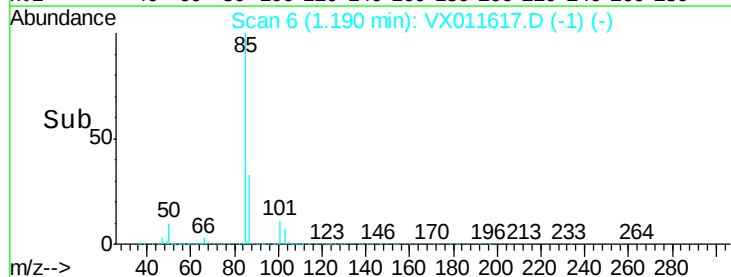
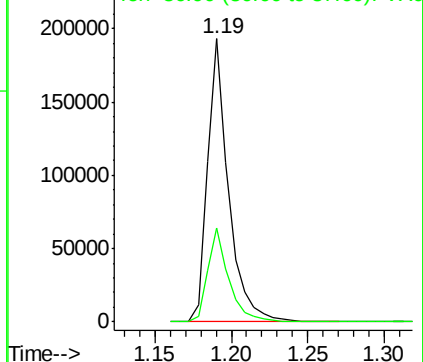
85 100

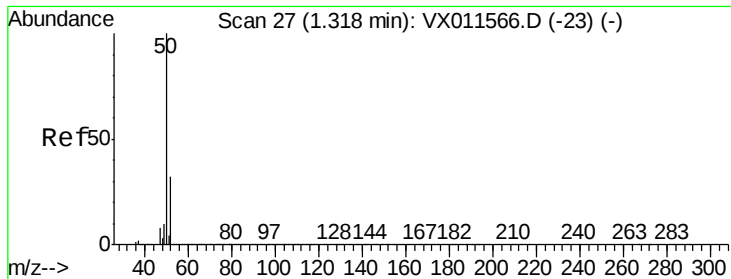
87 33.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.599 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 159548

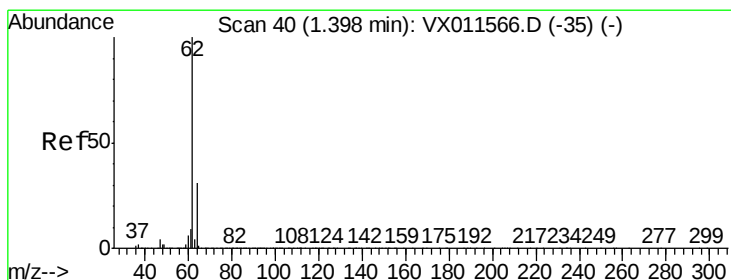
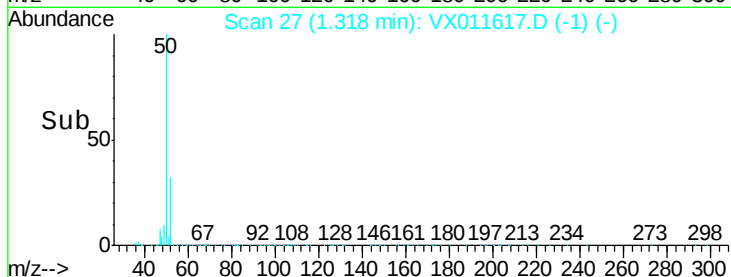
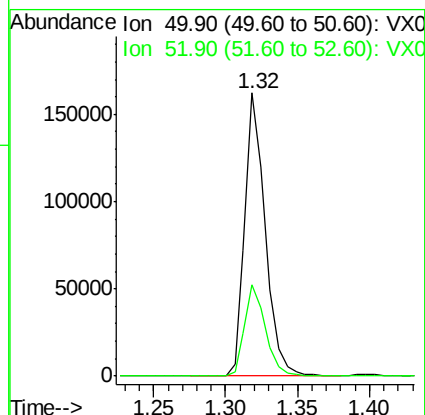
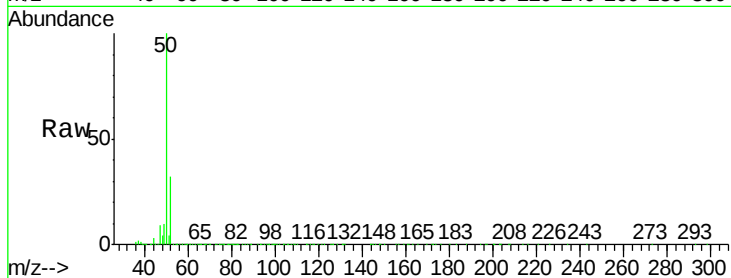
Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 49.265 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011617.D

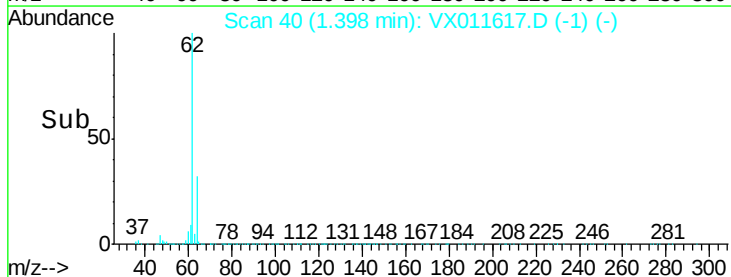
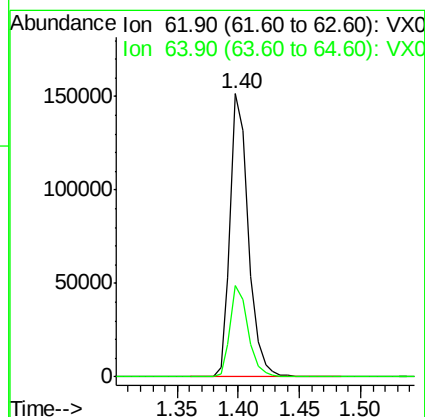
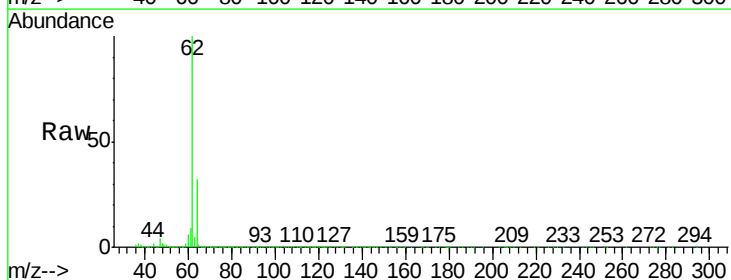
Acq: 17 Aug 2019 06:29

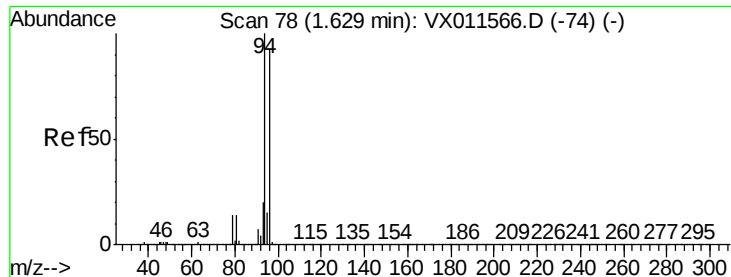
Tgt Ion: 62 Resp: 155713

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.4





#5

Bromomethane

Concen: 52.287 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 74051

Ion Ratio Lower Upper

94 100

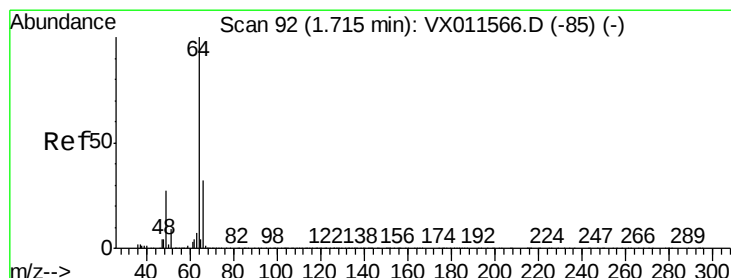
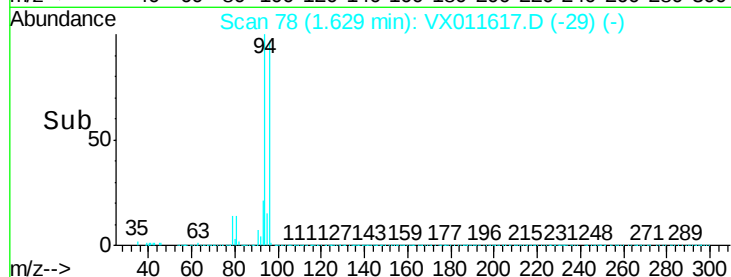
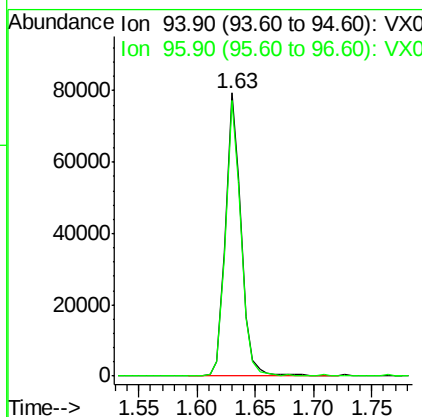
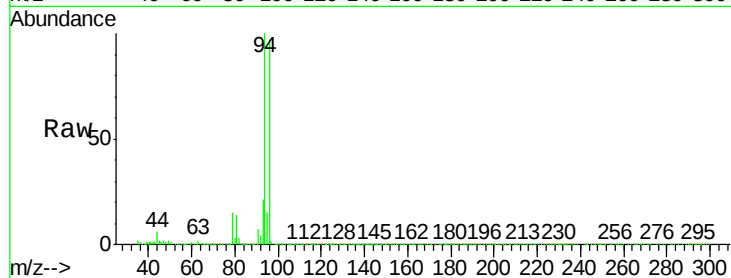
96 97.3 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 53.566 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011617.D

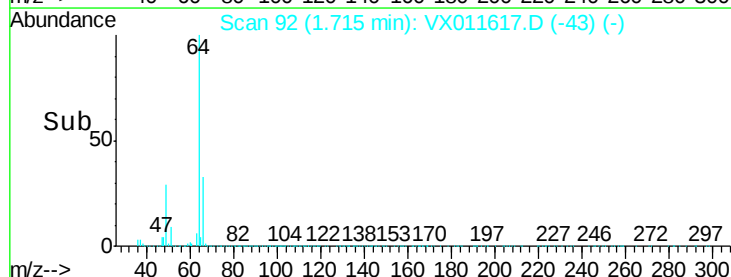
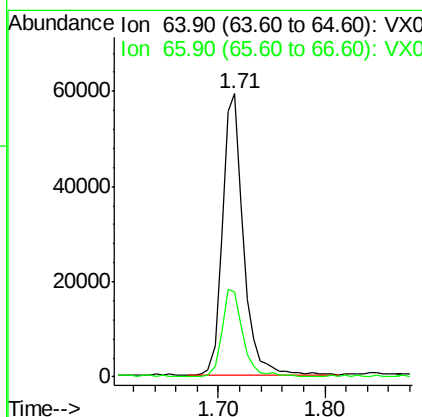
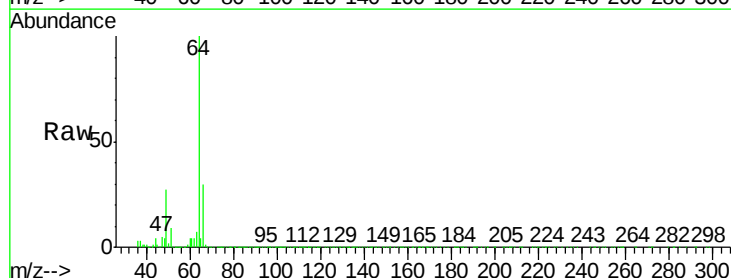
Acq: 17 Aug 2019 06:29

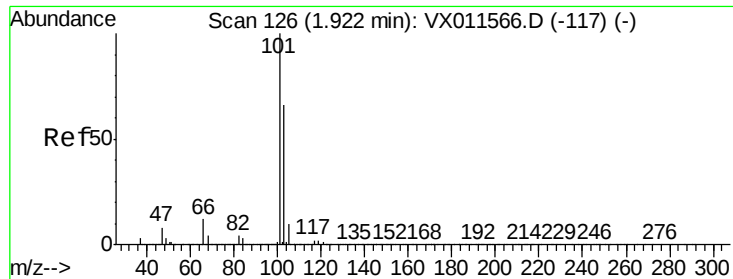
Tgt Ion: 64 Resp: 80132

Ion Ratio Lower Upper

64 100

66 29.9 25.3 37.9





#7

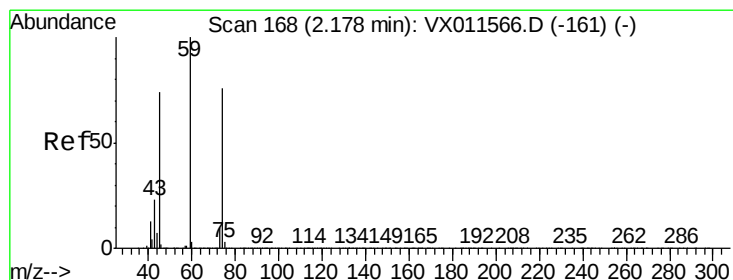
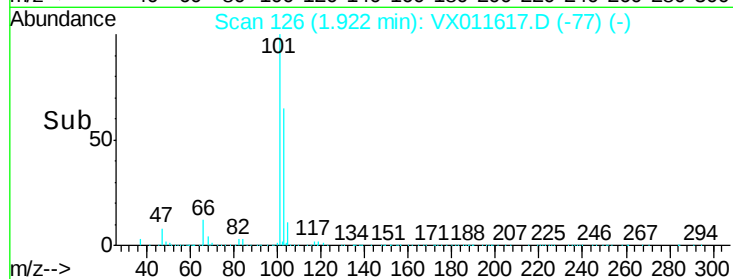
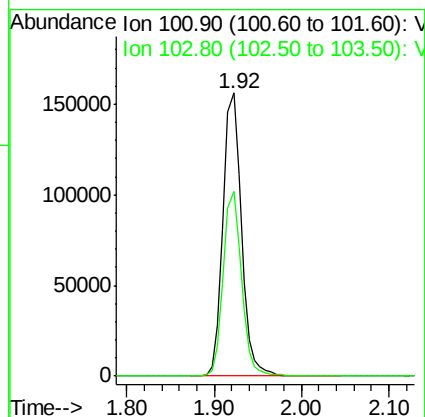
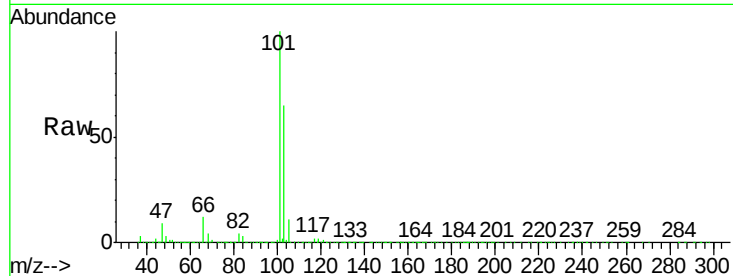
Trichlorofluoromethane
Concen: 51.908 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.9	79.3

Manual Integrations
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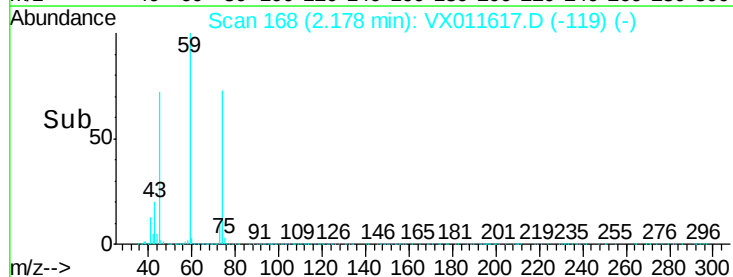
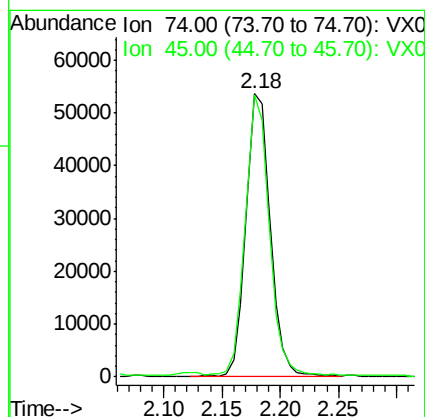
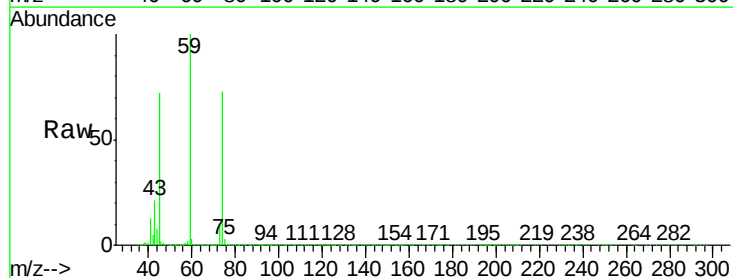
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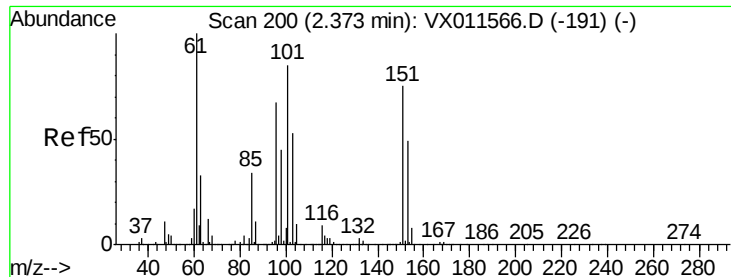


#8

Diethyl Ether
Concen: 52.504 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.159 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

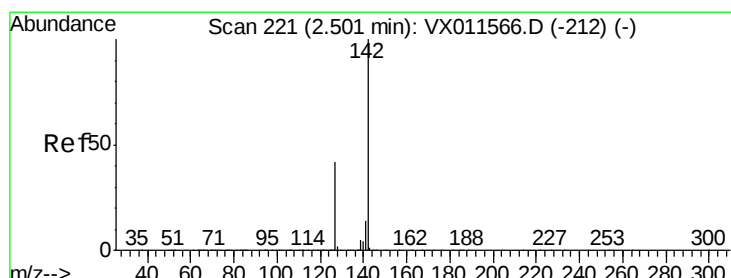
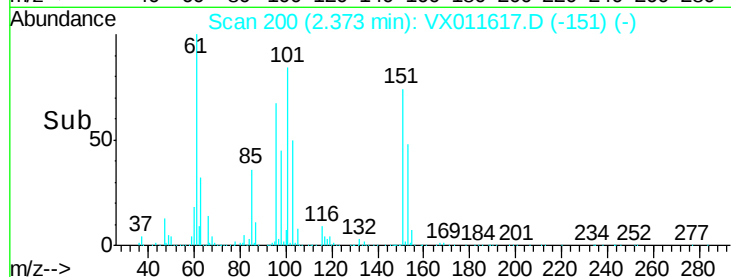
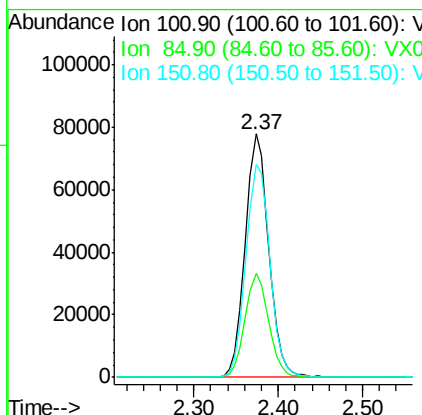
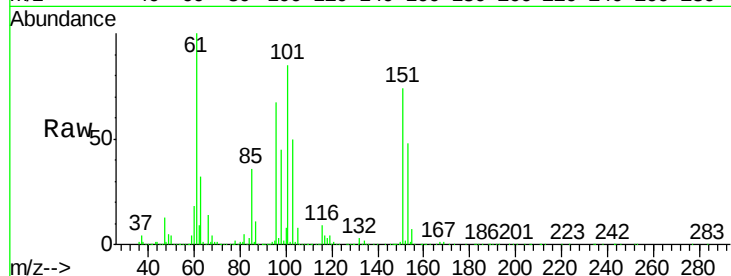
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	145629
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.0	49.4
151	90.0	73.3	109.9

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#10

Methyl Iodide

Concen: 49.786 ug/l

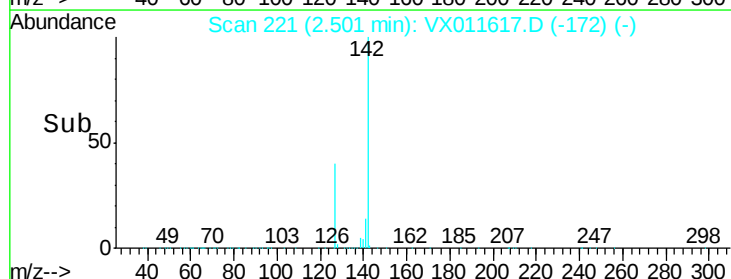
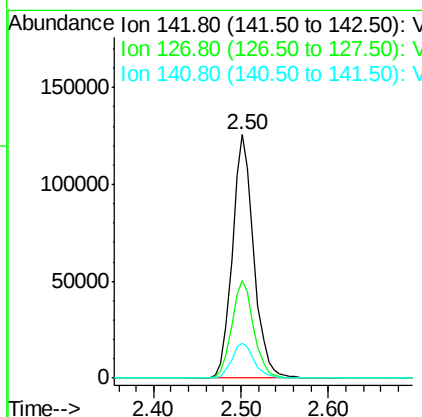
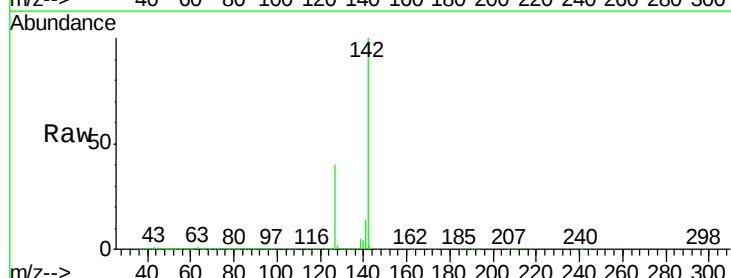
RT: 2.50 min Scan# 221

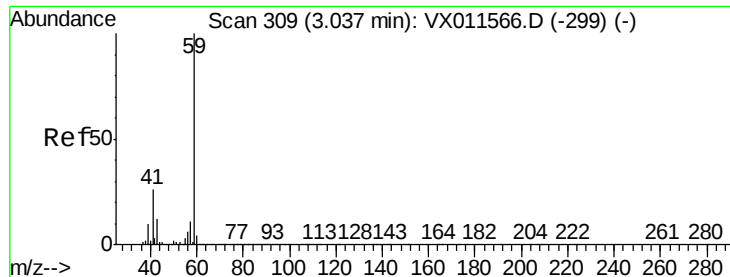
Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion:	142	Resp:	214463
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.8	49.2
141	14.8	11.4	17.2





#11

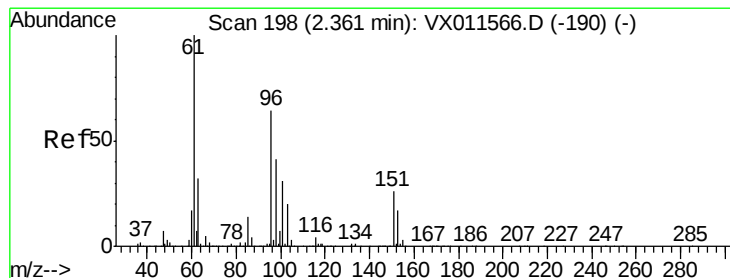
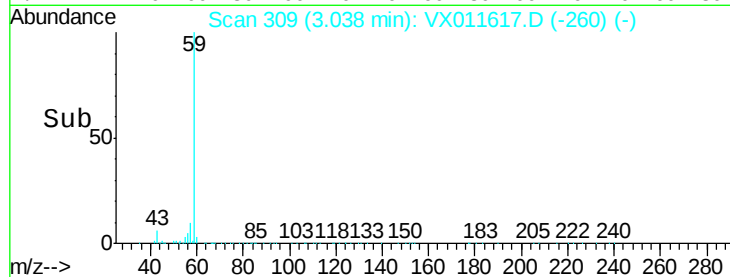
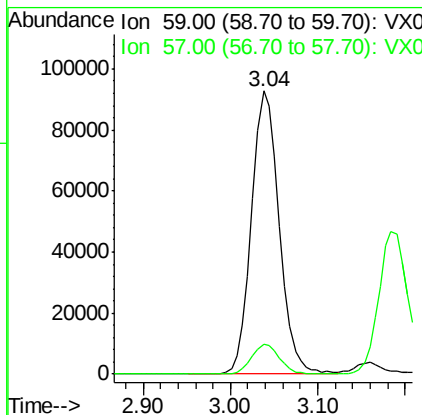
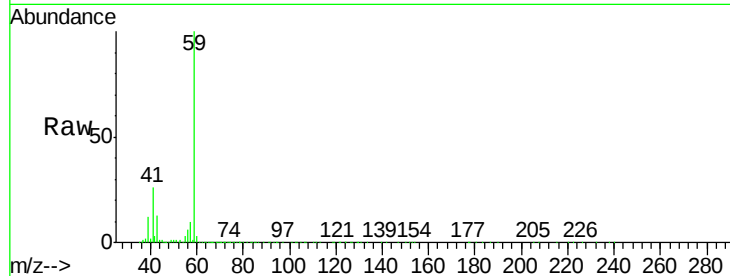
Tert butyl alcohol
Concen: 261.194 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.7	13.1

Manual Integrations
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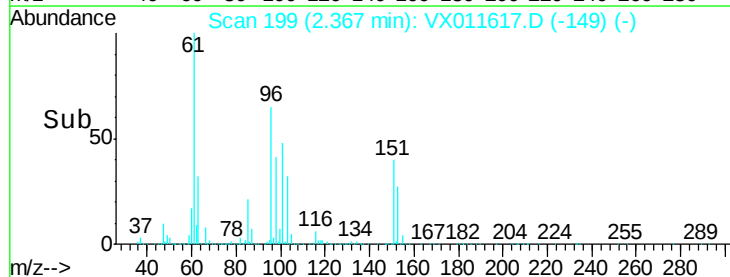
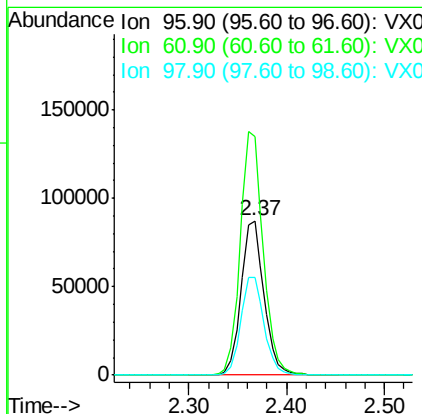
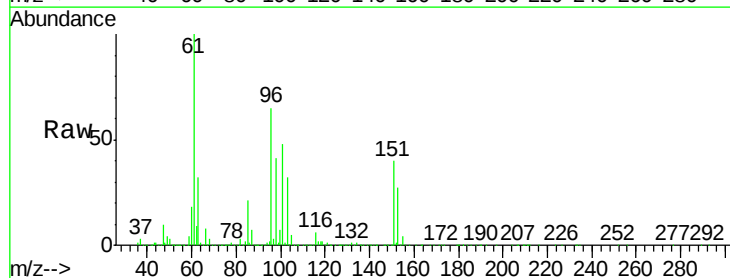
MMDadoda
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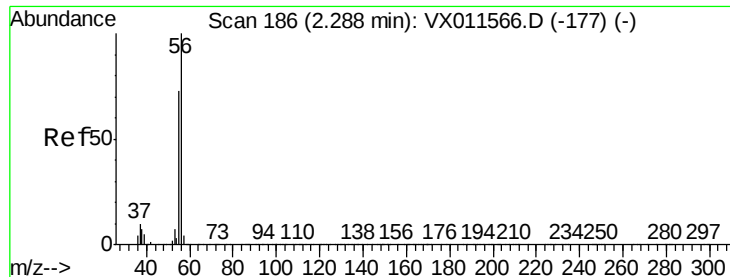


#12

1,1-Dichloroethene
Concen: 48.366 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	125.0	187.4
98	63.1	51.5	77.3





#13

Acrolein

Concen: 225.037 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 53685

Ion Ratio Lower Upper

56 100

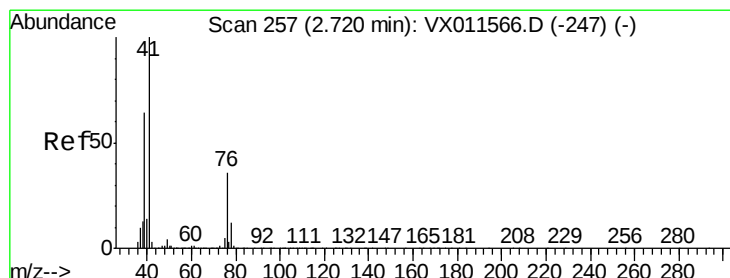
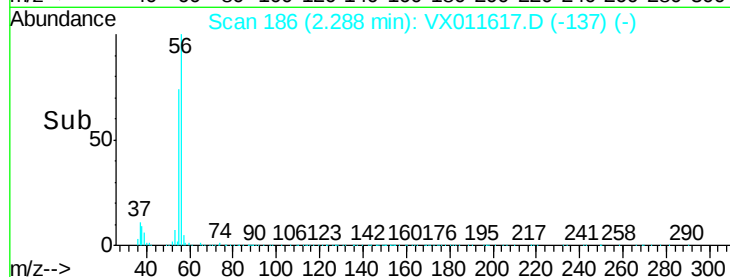
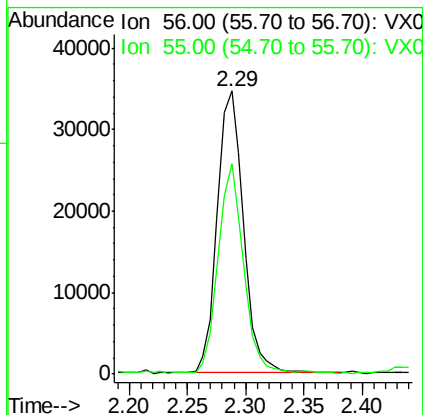
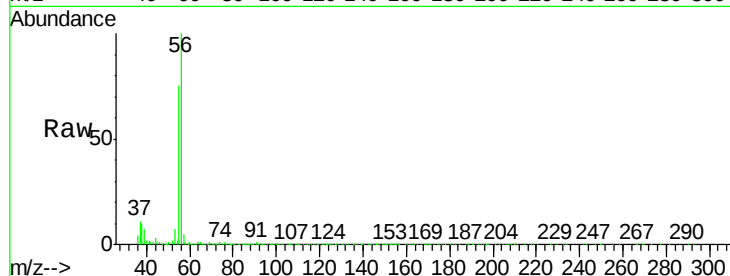
55 73.1 55.5 83.3

Manual Integrations

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#14

Allyl chloride

Concen: 49.195 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

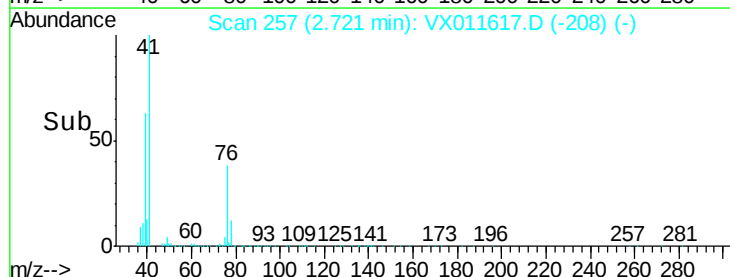
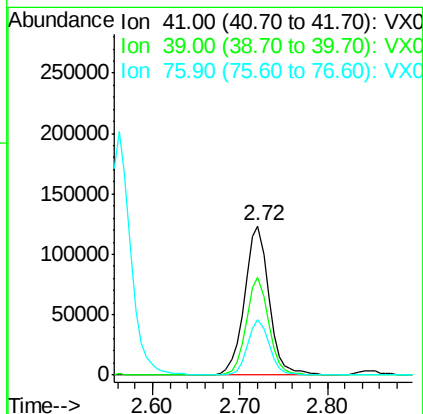
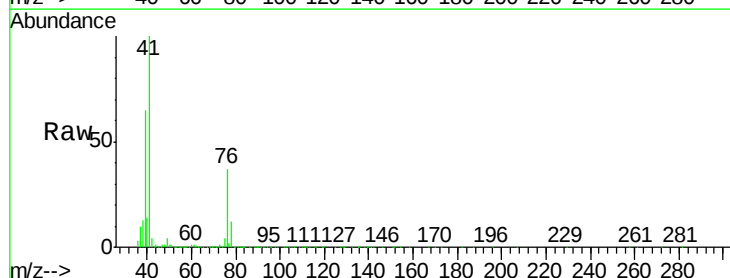
Tgt Ion: 41 Resp: 239147

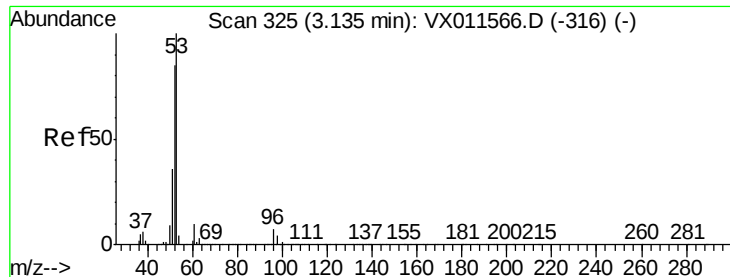
Ion Ratio Lower Upper

41 100

39 60.8 47.5 71.3

76 32.4 26.3 39.5





#15

Acrylonitrile

Concen: 265.040 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

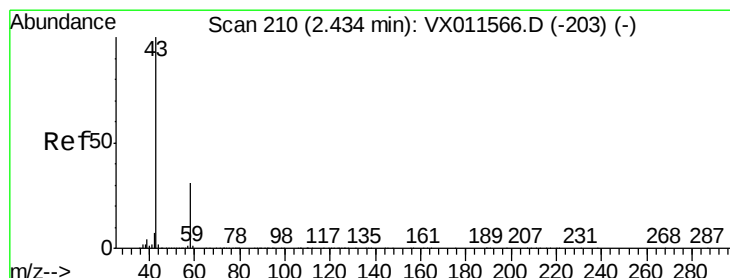
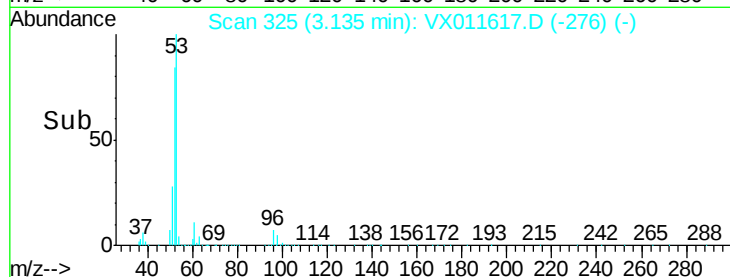
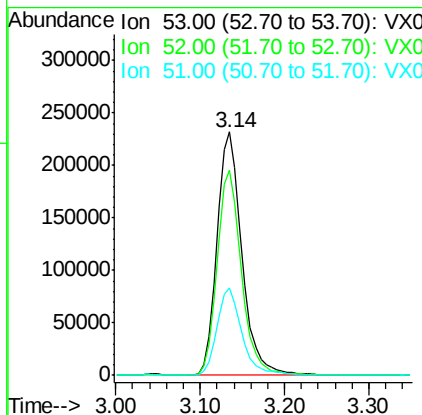
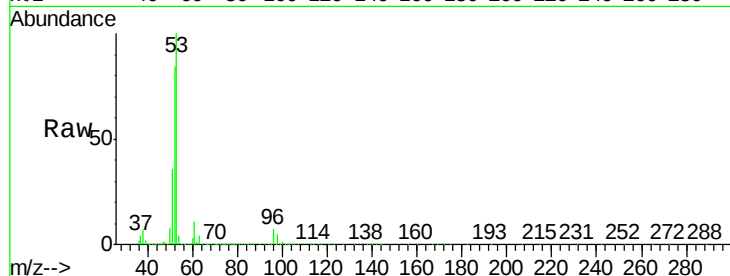
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	472991
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.7	100.1
51	35.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 256.261 ug/l

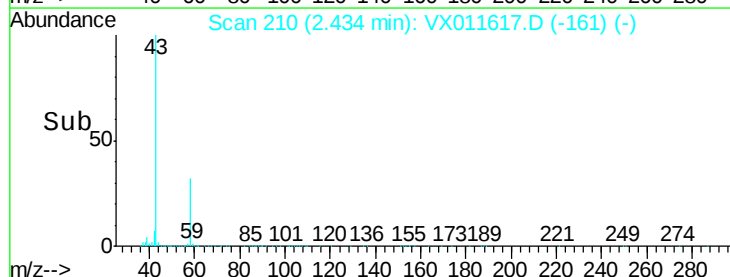
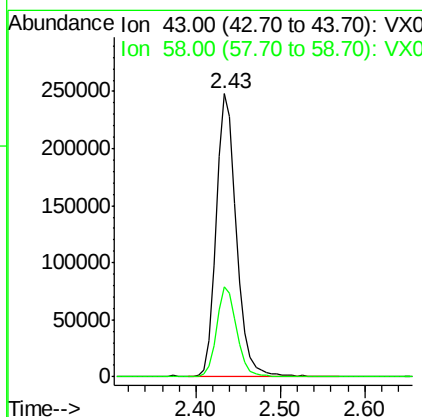
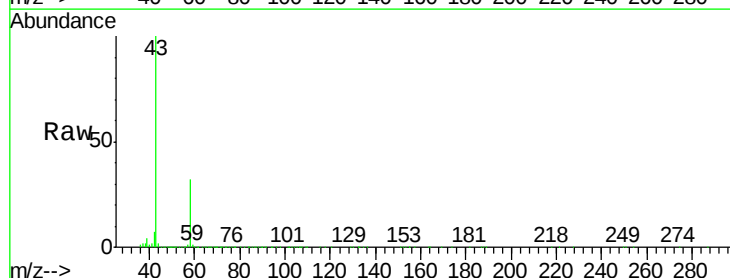
RT: 2.43 min Scan# 210

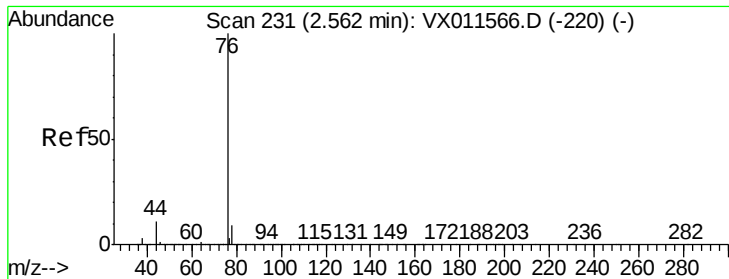
Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion:	43	Resp:	409540
Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.2	37.8





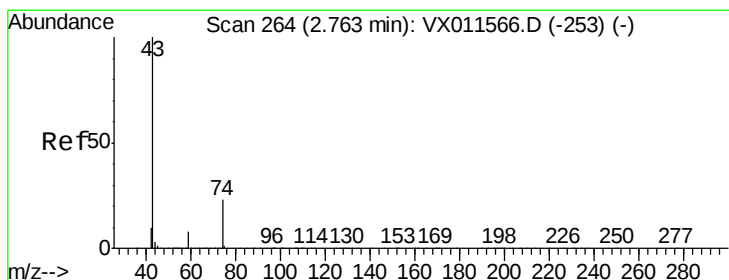
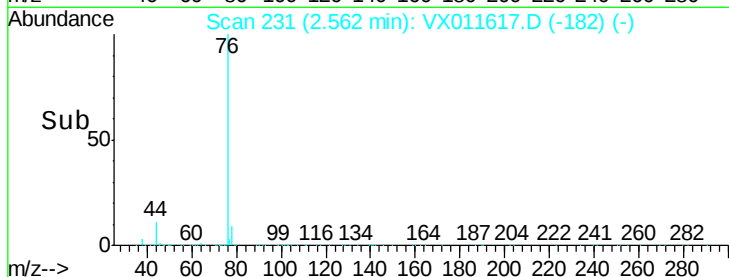
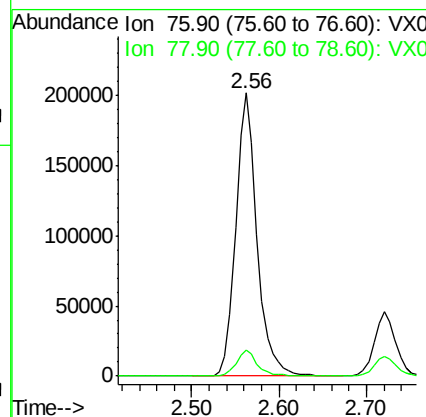
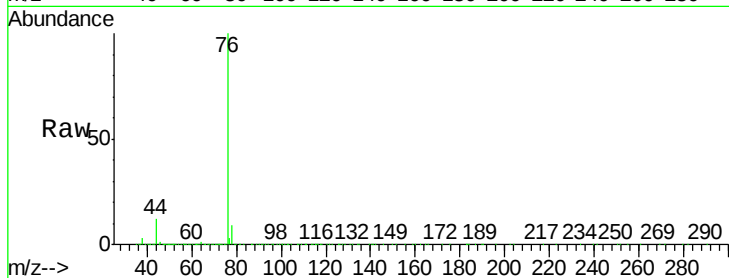
#17
Carbon Disulfide
Concen: 49.516 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

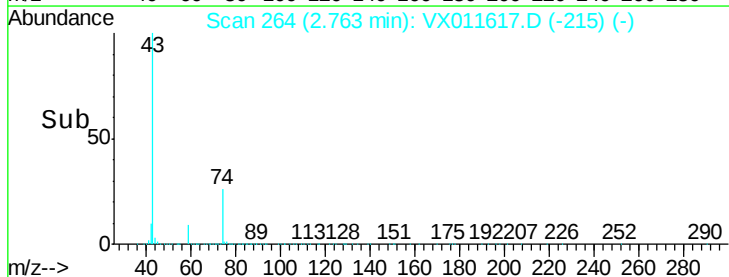
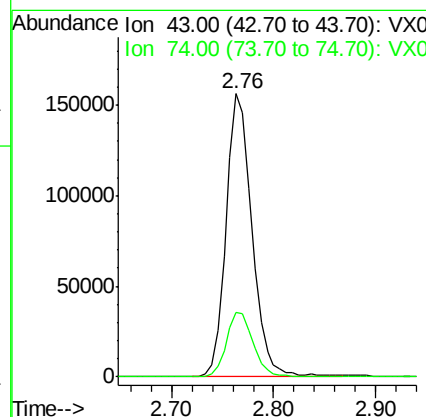
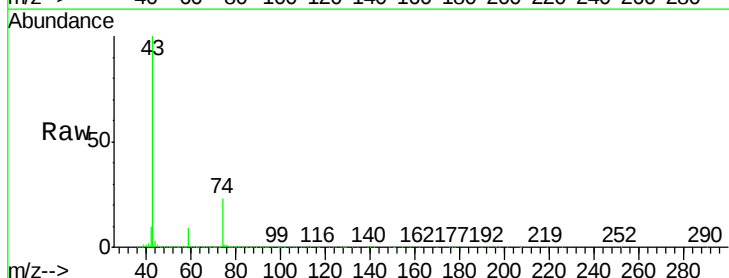
Manual Integrations
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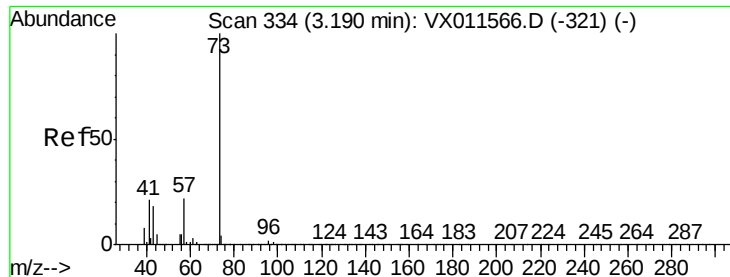
MMDadoda
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#18
Methyl Acetate
Concen: 55.525 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.7	29.5





#19

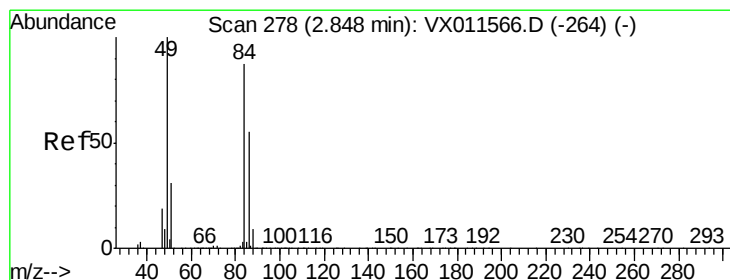
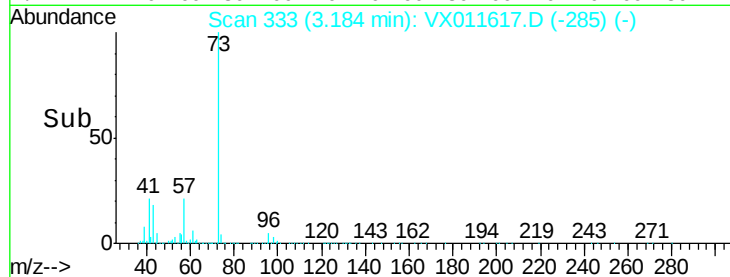
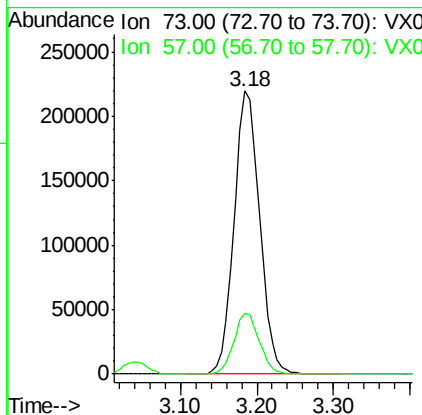
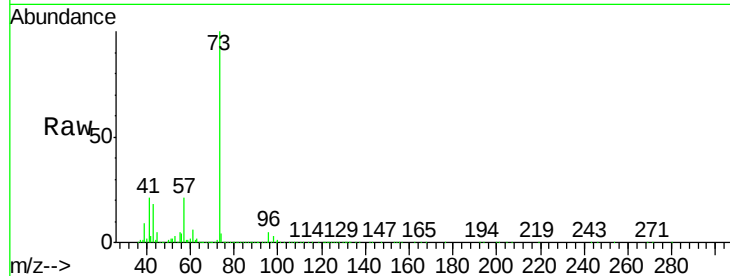
Methvl tert-butvl Ether
 Concen: 53.531 ug/l
 RT: 3.18 min Scan# 333
 Delta R.T. -0.01 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.2	25.8

Manual Integrations
 APPROVED

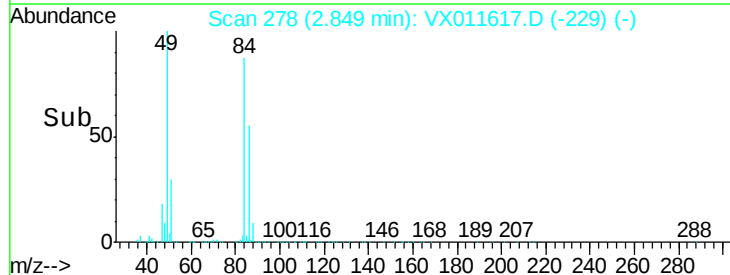
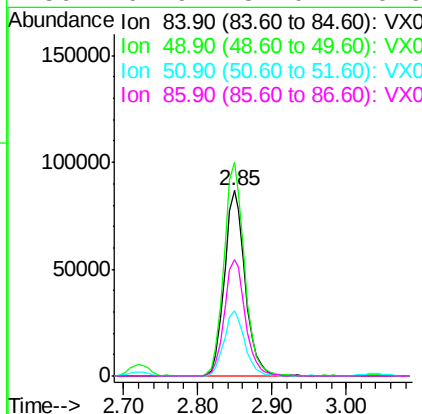
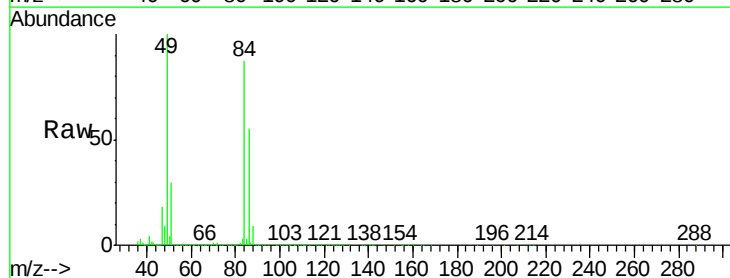
MMDadoda
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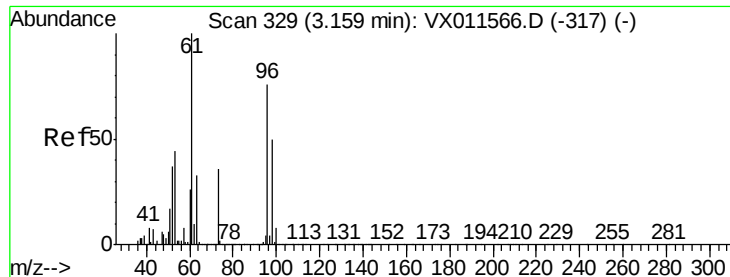


#20

Methylene Chloride
 Concen: 50.054 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.00 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.3	92.4	138.6
51	34.8	28.5	42.7
86	62.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 50.888 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 157589

Ion Ratio Lower Upper

96 100

61 129.2 105.5 158.3

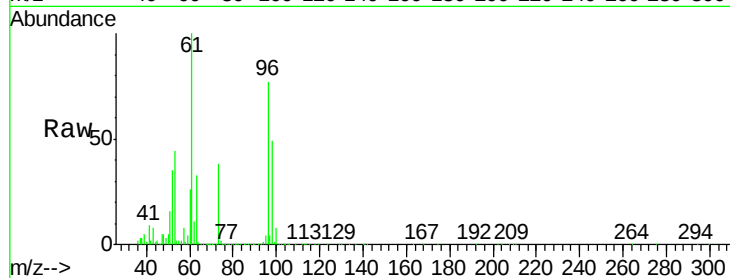
98 63.6 52.6 78.8

Manual Integrations

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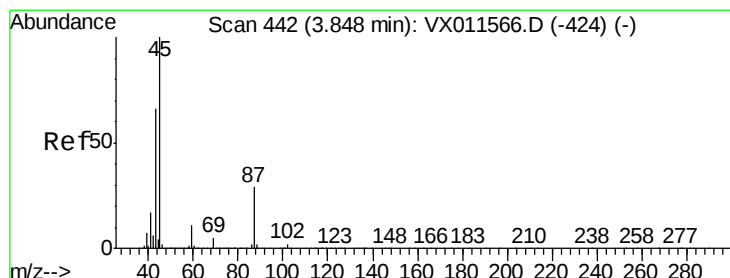
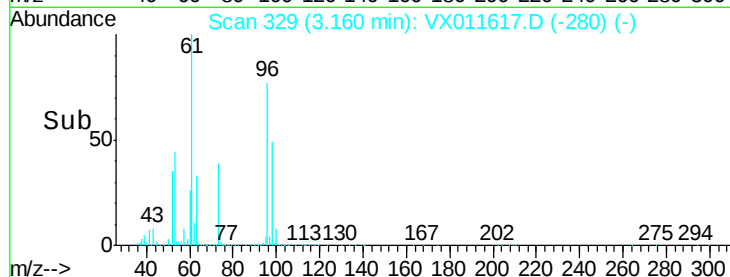
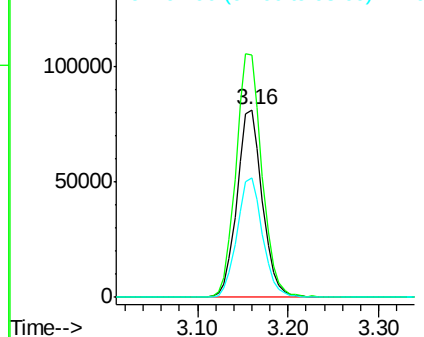
8/19/2019 10:29:07 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 52.526 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion: 45 Resp: 508509

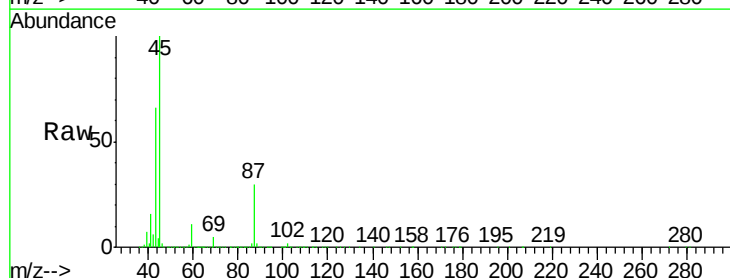
Ion Ratio Lower Upper

45 100

43 66.1 52.7 79.1

87 30.3 23.5 35.3

59 11.2 9.0 13.4

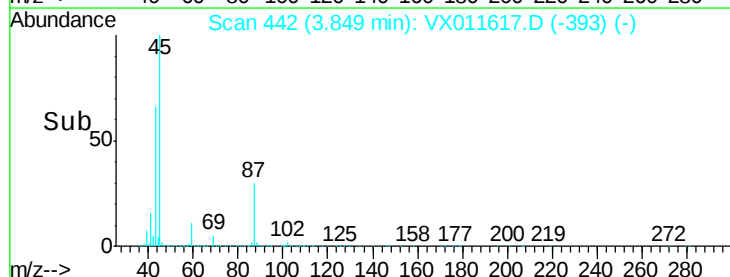
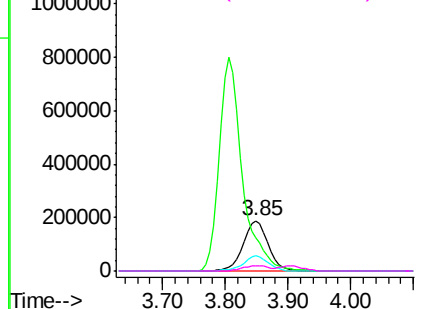


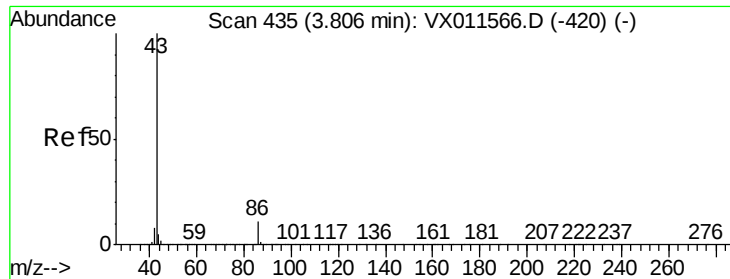
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 266.401 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2042284

Ion Ratio Lower Upper

43 100

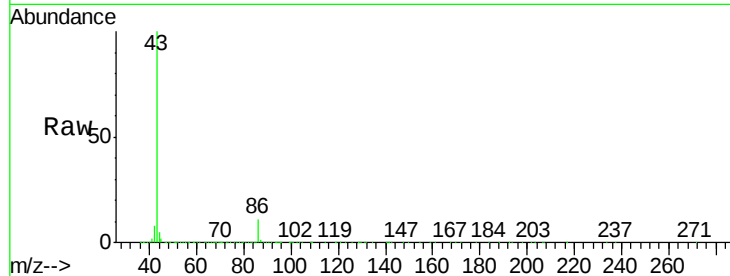
86 10.9 8.6 13.0

Manual Integrations

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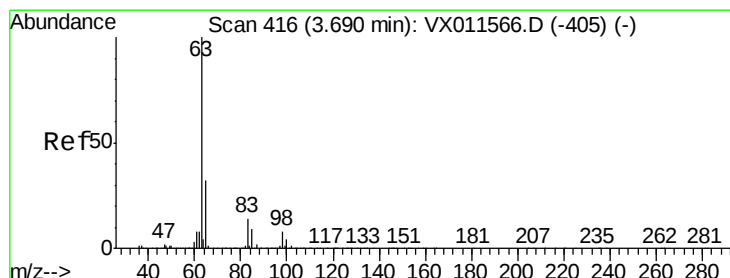
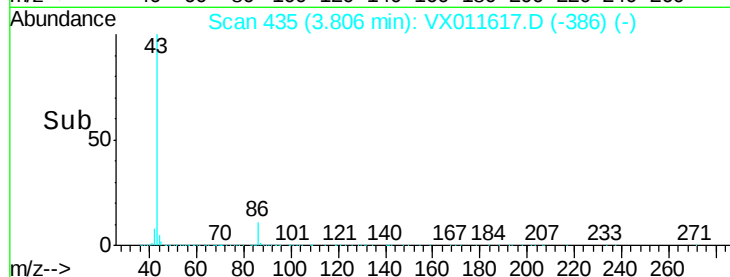
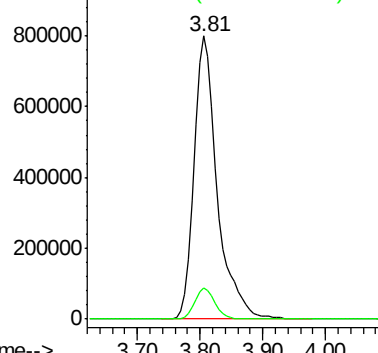
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.093 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

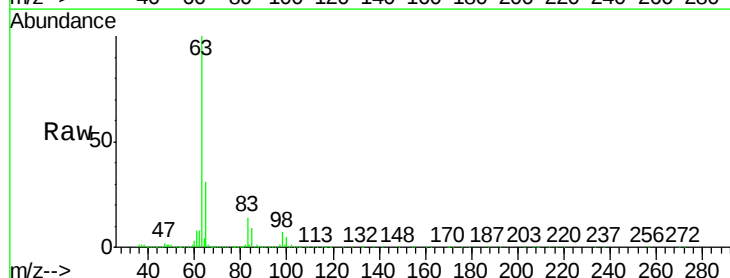
Tgt Ion: 63 Resp: 279660

Ion Ratio Lower Upper

63 100

98 6.7 3.7 11.1

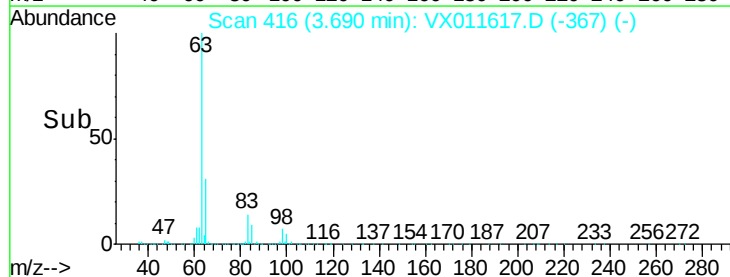
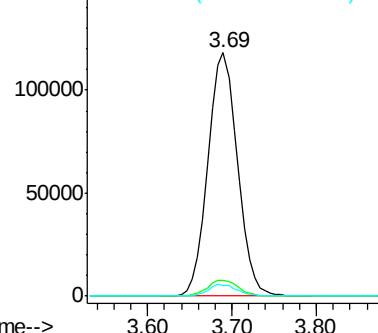
100 4.5 2.1 6.3

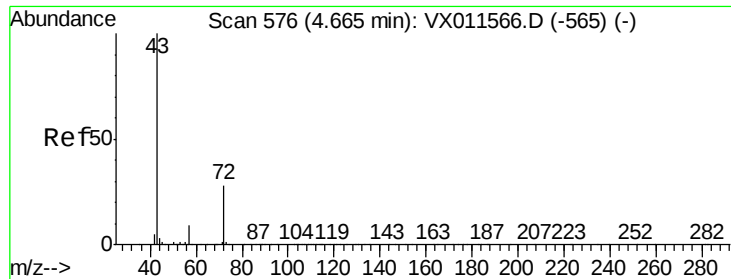


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 260.838 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tot Ion: 43 Resp: 654427

Ion Ratio Lower Upper

43 100

72 25.9 22.2 33.4

Instrument :

MSVOA_X

ClientSampleId :

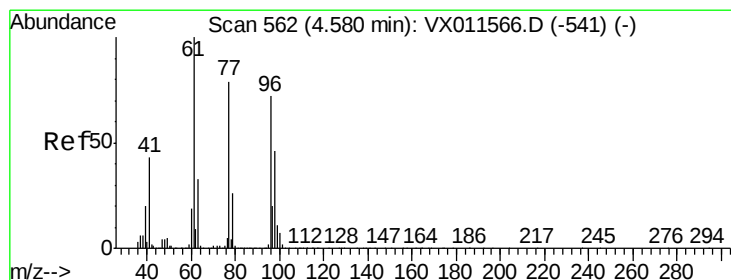
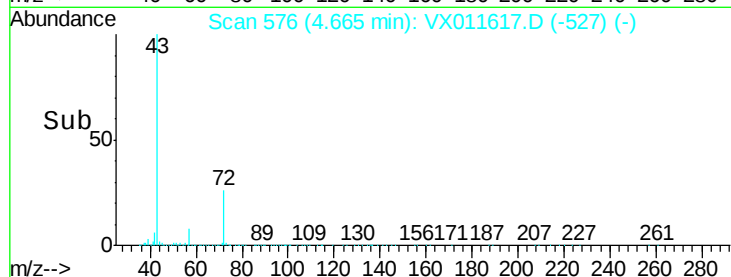
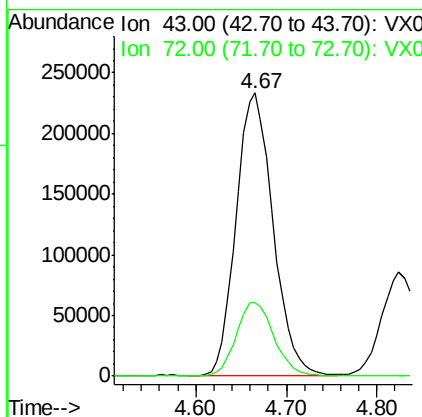
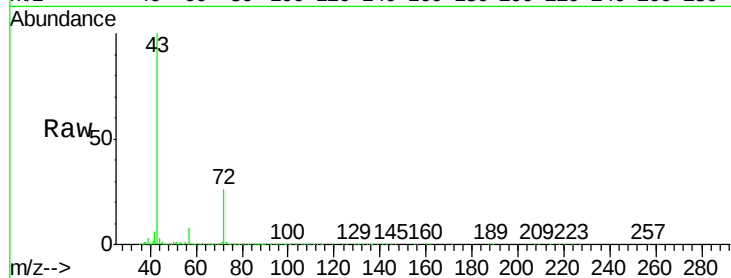
VSTDCCC050EC

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 32.228 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011617.D

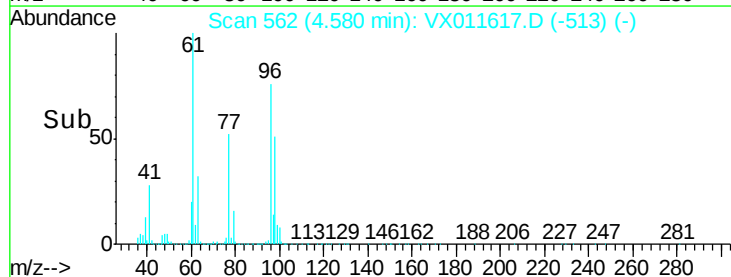
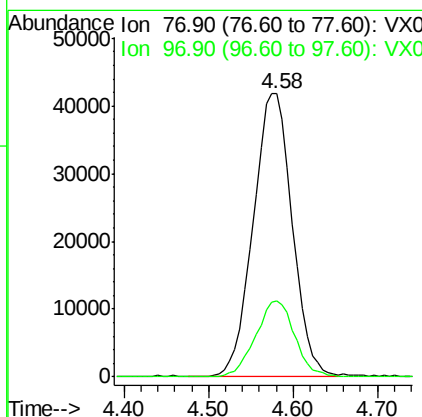
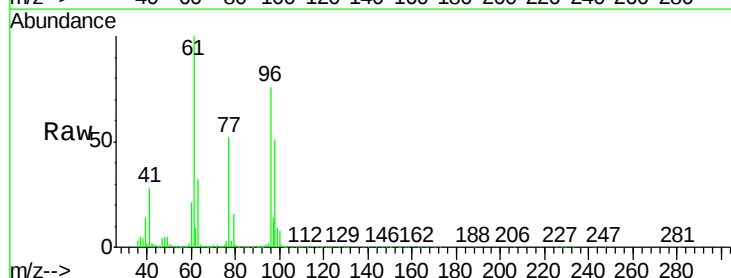
Acq: 17 Aug 2019 06:29

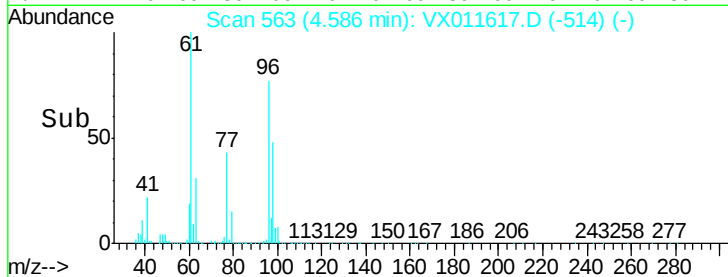
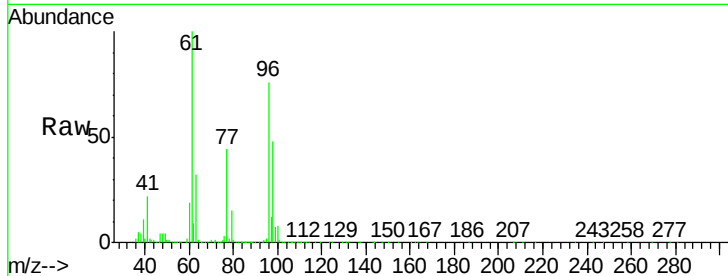
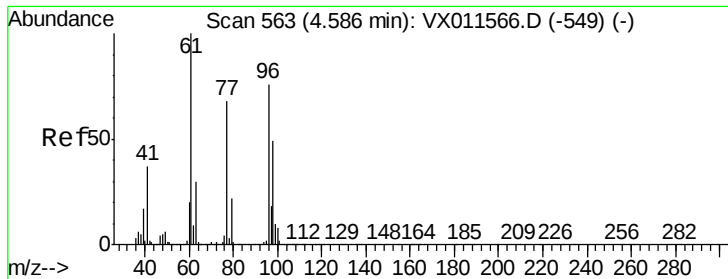
Tgt Ion: 77 Resp: 132767

Ion Ratio Lower Upper

77 100

97 27.1 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 50.894 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tot Ion:	96	Resp:	183734
Ion	Ratio	Lower	Upper
96	100		
61	131.7	0.0	272.6
98	65.8	0.0	129.4

Instrument :

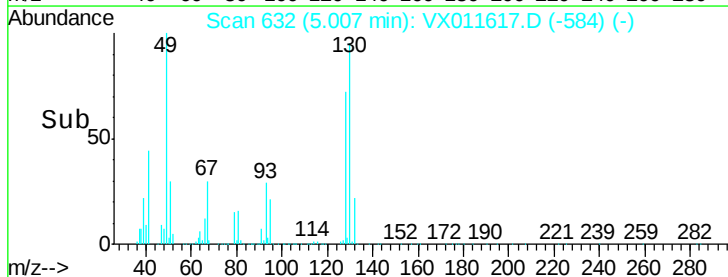
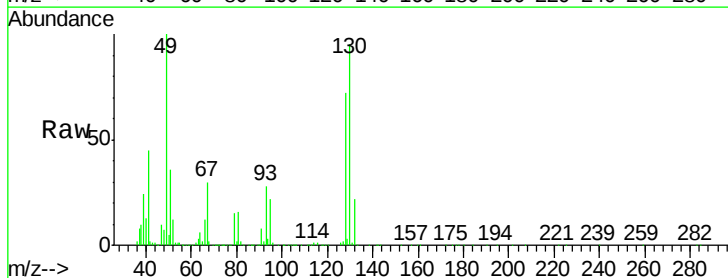
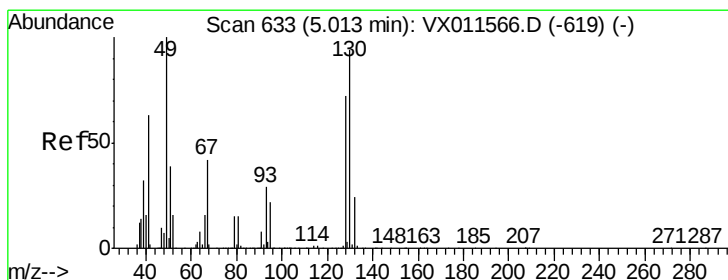
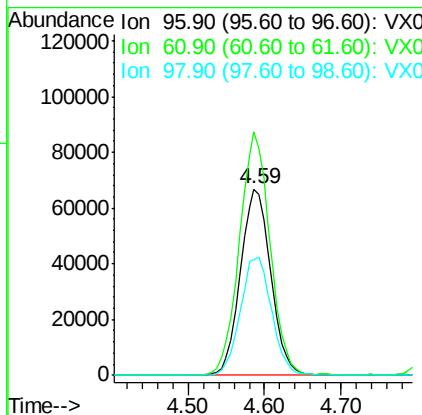
MSVOA_X

ClientSampleId :

VSTDCCC050EC

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#28

Bromochloromethane

Concen: 49.248 ug/l

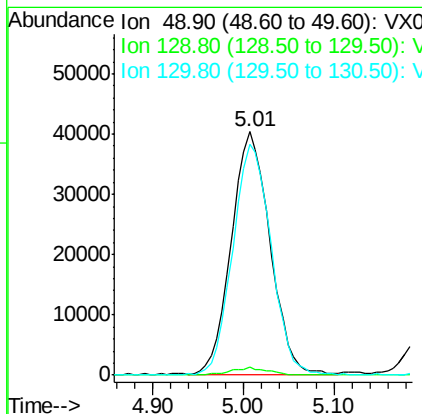
RT: 5.01 min Scan# 632

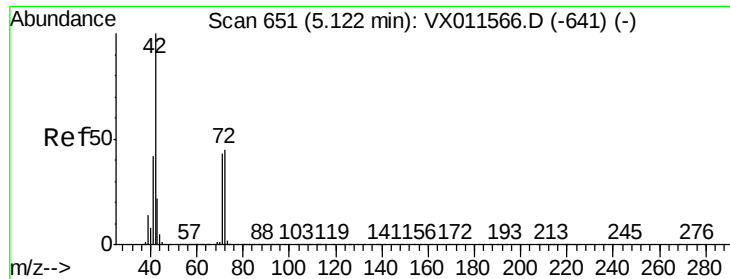
Delta R.T. -0.01 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion:	49	Resp:	118333
Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.0
130	95.2	76.6	115.0





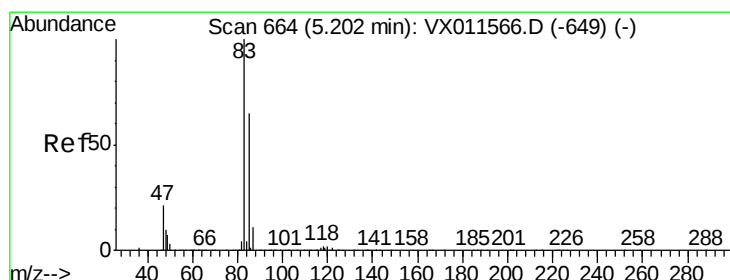
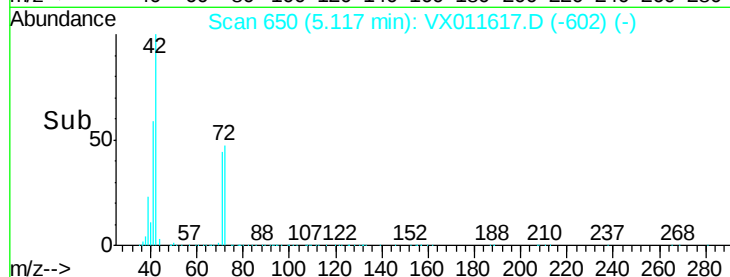
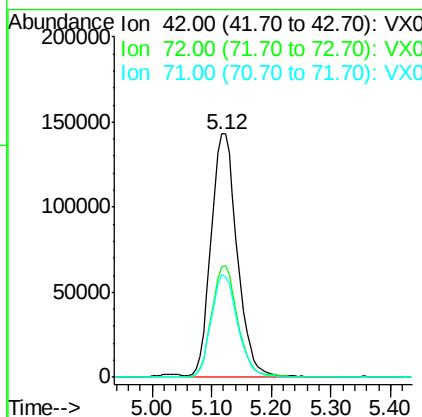
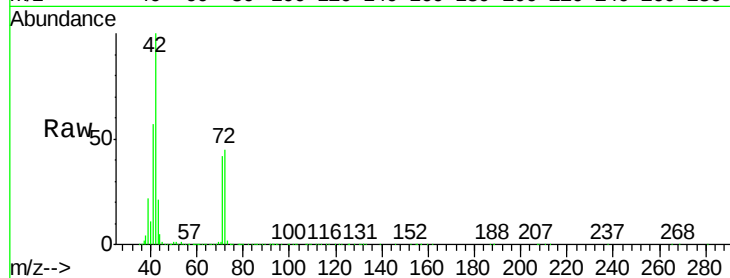
#29
Tetrahydrofuran
Concen: 262.615 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.1	54.1
71	42.3	33.8	50.8

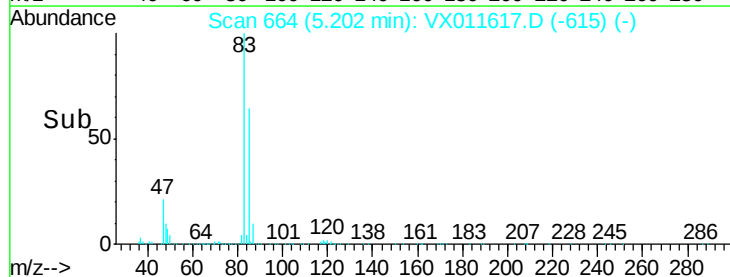
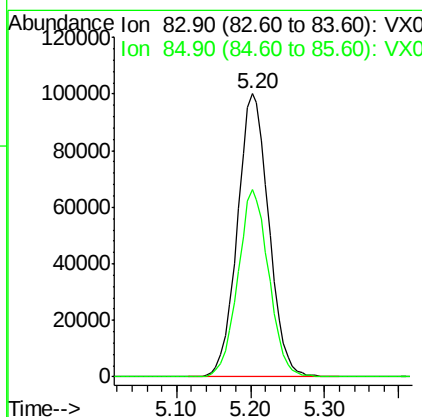
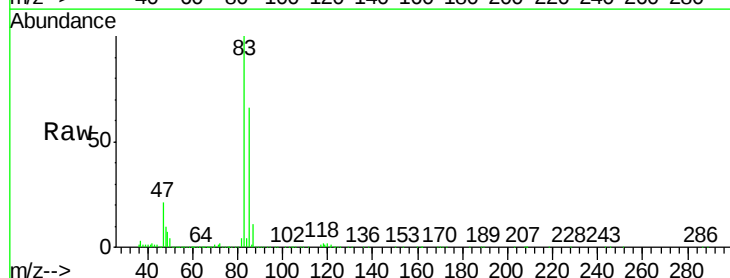
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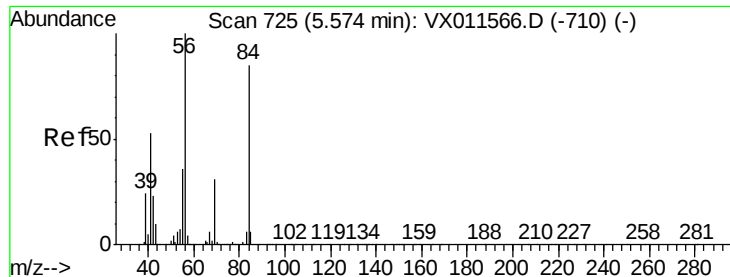
MMDadoda
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#30
Chloroform
Concen: 51.213 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.9	77.9





#31

Cyclohexane

Concen: 52.118 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

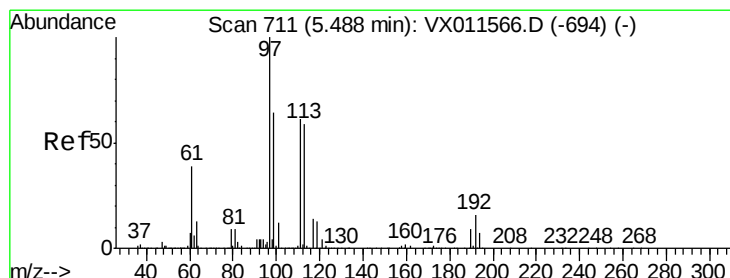
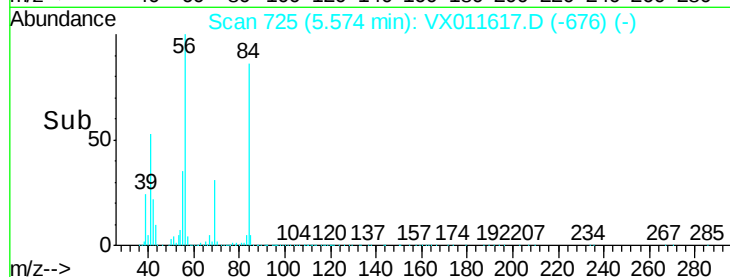
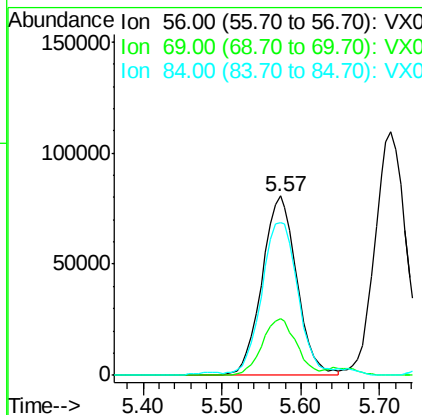
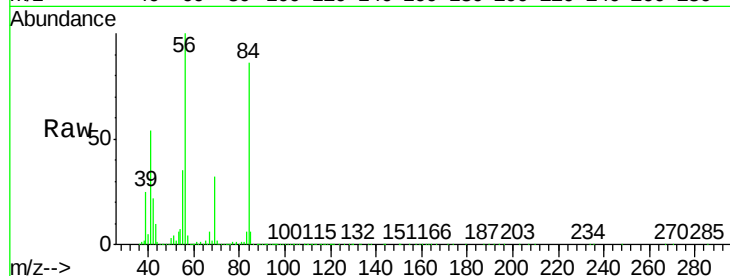
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.8	37.2
84	84.8	67.9	101.9

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#32

1,1,1-Trichloroethane

Concen: 52.957 ug/l

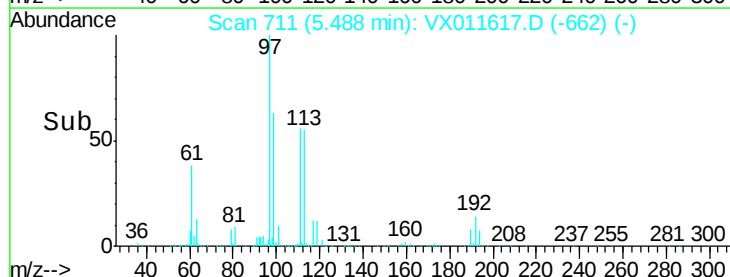
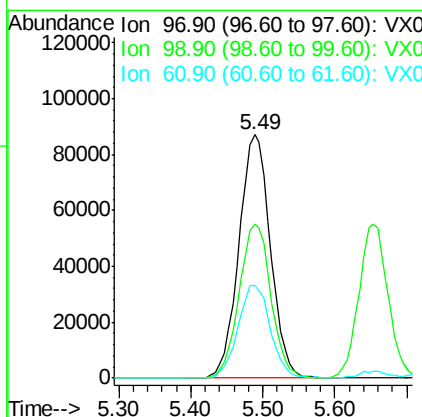
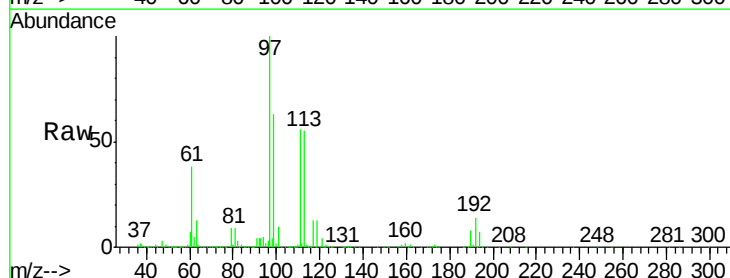
RT: 5.49 min Scan# 711

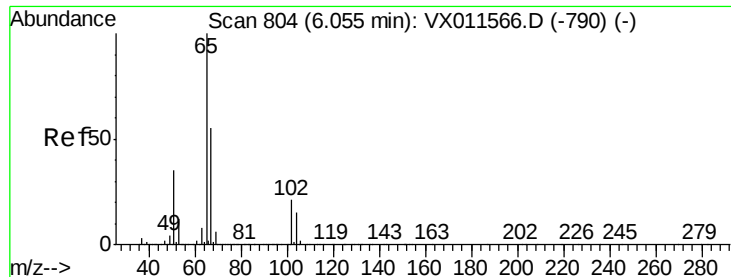
Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	38.9	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 46.951 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 149225

Ion Ratio Lower Upper

65 100

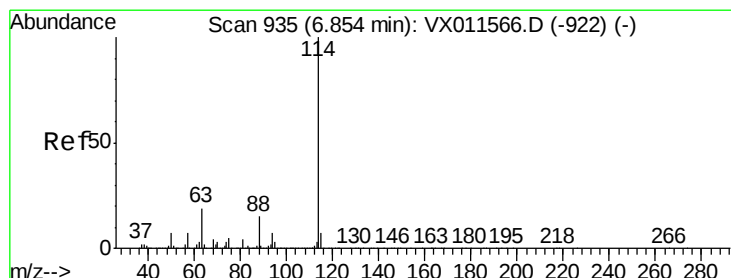
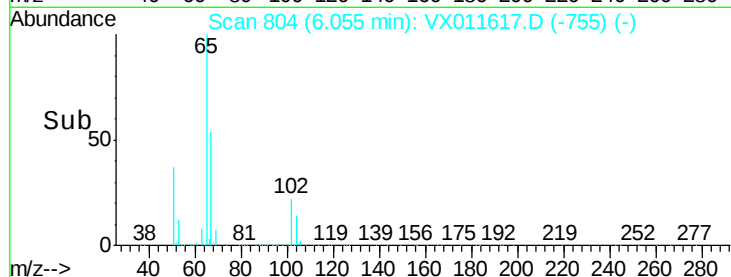
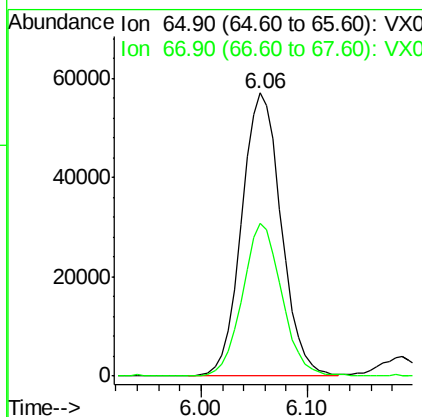
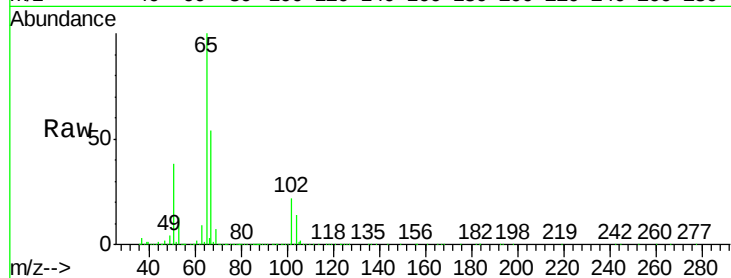
67 53.0 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

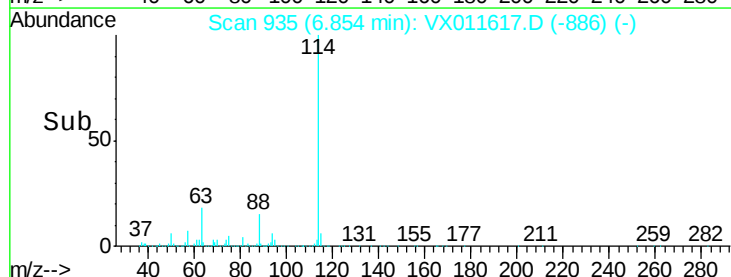
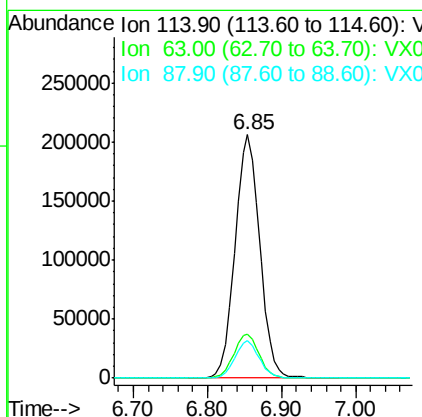
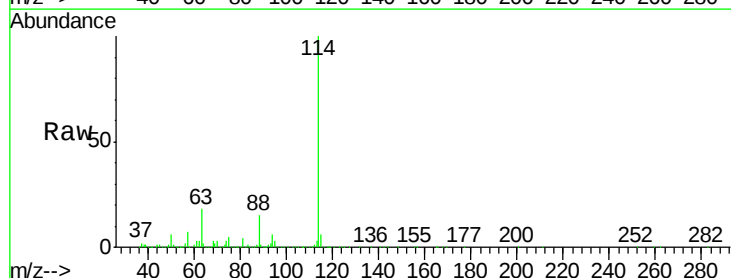
Tgt Ion: 114 Resp: 480462

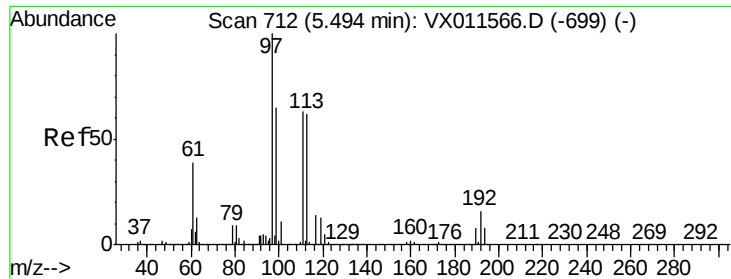
Ion Ratio Lower Upper

114 100

63 18.0 0.0 37.8

88 15.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 44.456 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

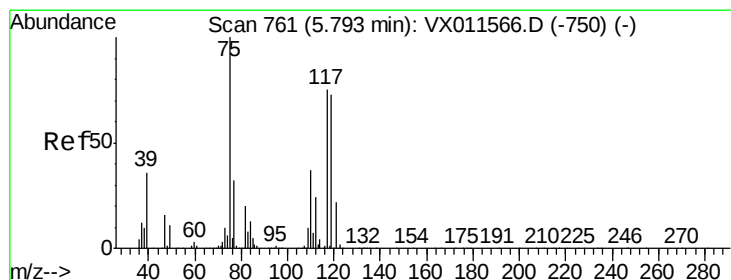
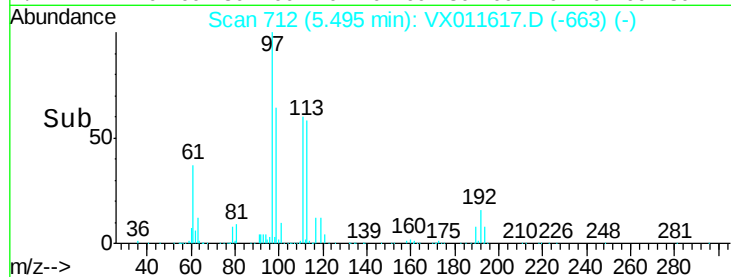
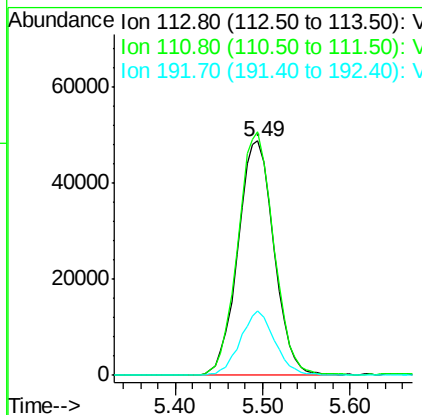
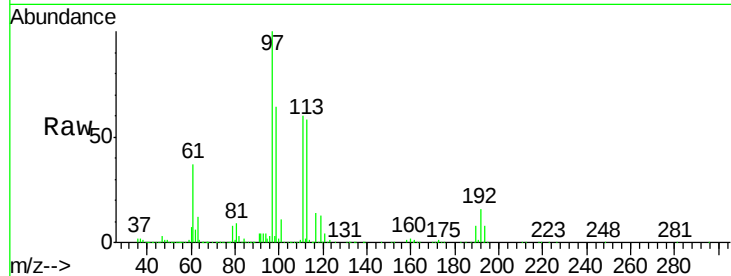
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	139705
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.1	121.7
192	26.4	20.8	31.2

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#36

1,1-Dichloropropene

Concen: 51.371 ug/l

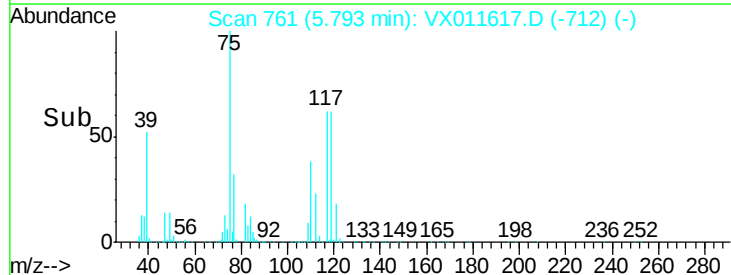
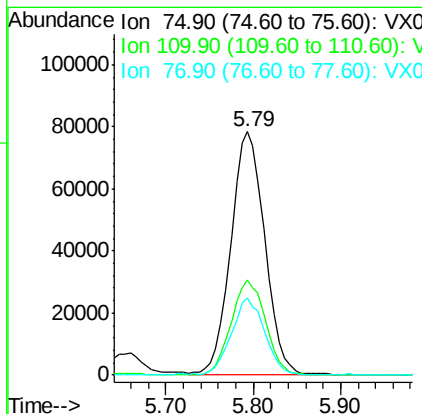
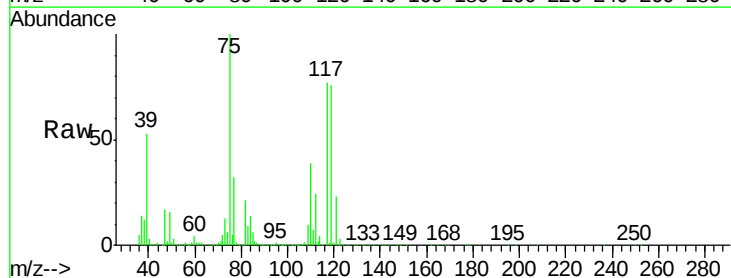
RT: 5.79 min Scan# 761

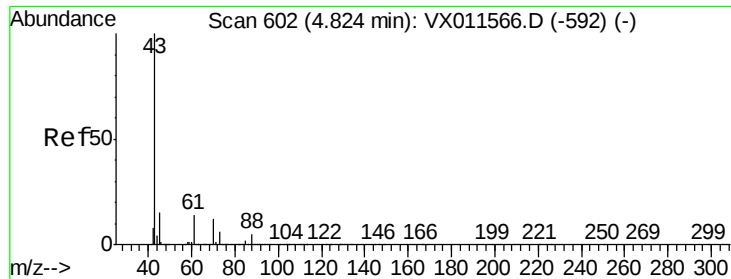
Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion:	75	Resp:	211027
Ion Ratio	Lower	Upper	
75	100		
110	39.9	19.4	58.1
77	31.0	25.1	37.7





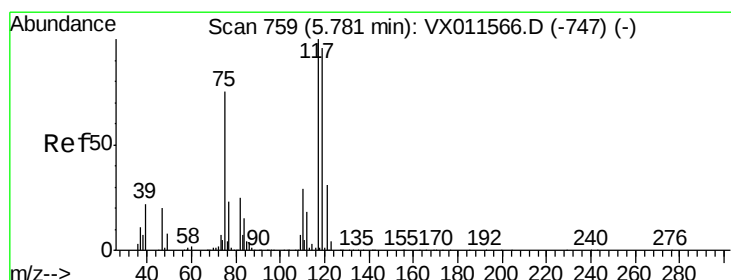
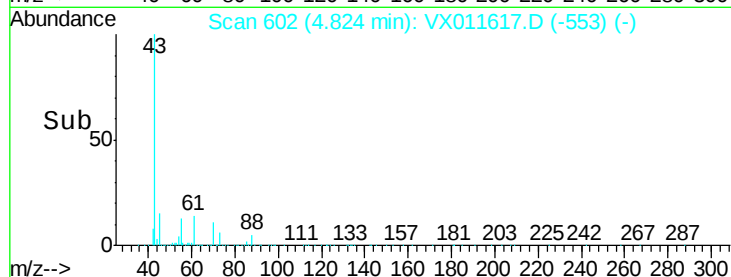
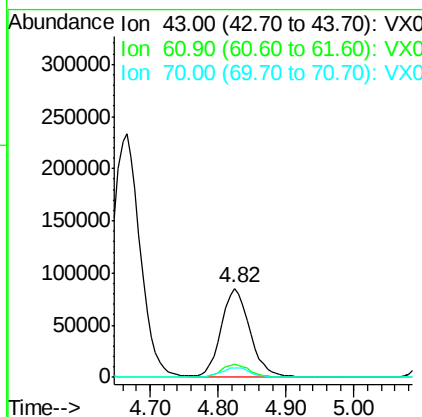
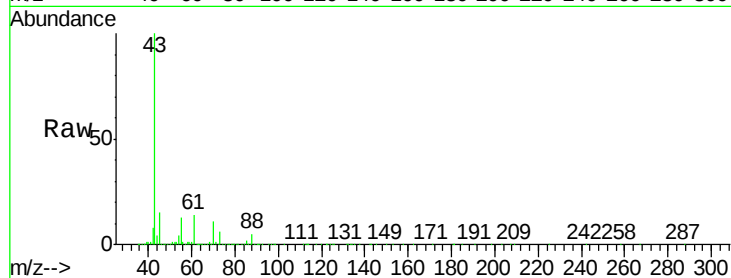
#37
Ethyl Acetate
Concen: 52.452 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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

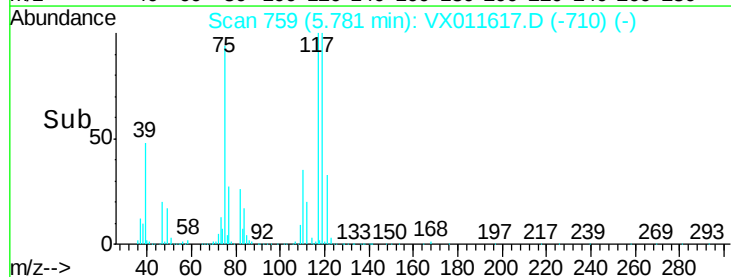
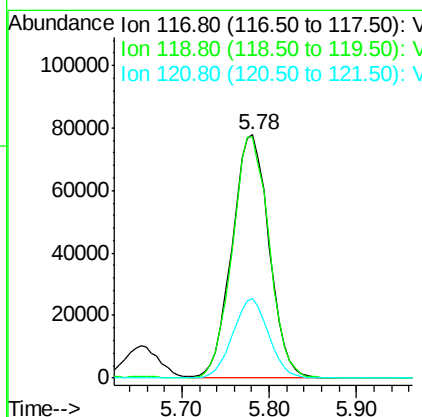
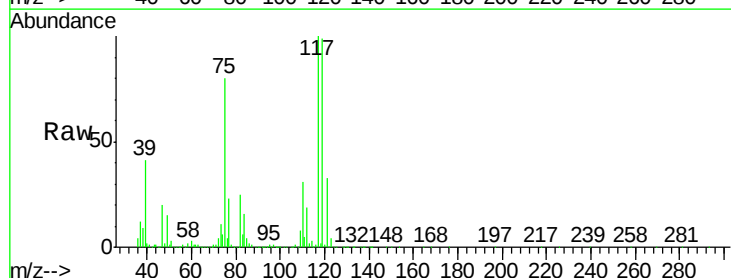
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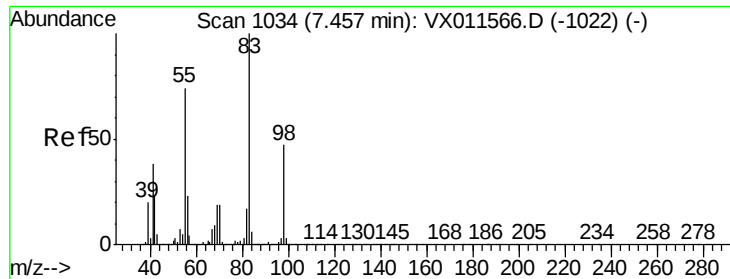
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#38
Carbon Tetrachloride
Concen: 50.436 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.9	115.3
121	33.0	24.8	37.2





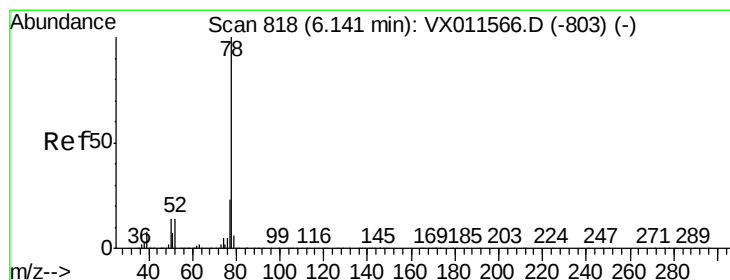
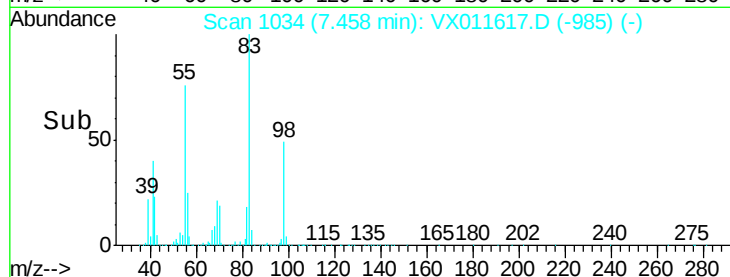
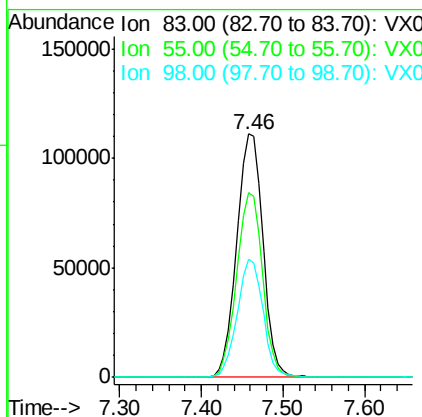
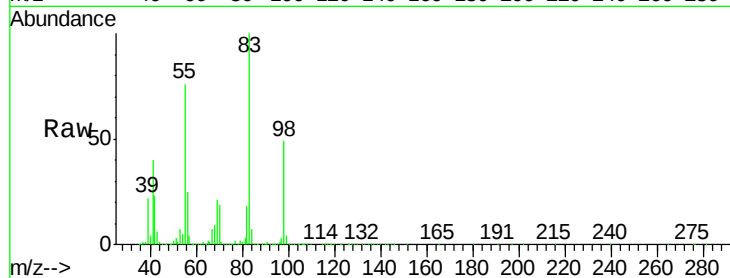
#39
Methvlcvclohexane
Concen: 48.722 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	58.8	88.2
98	48.8	37.8	56.6

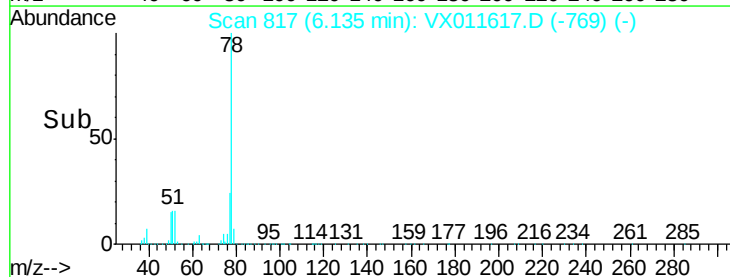
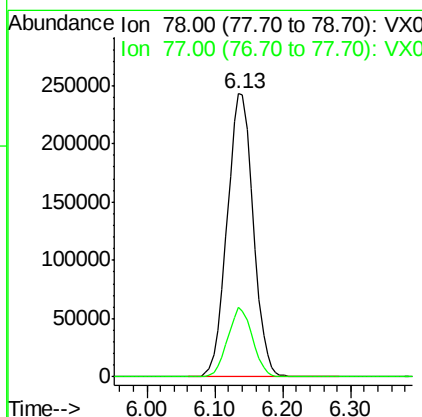
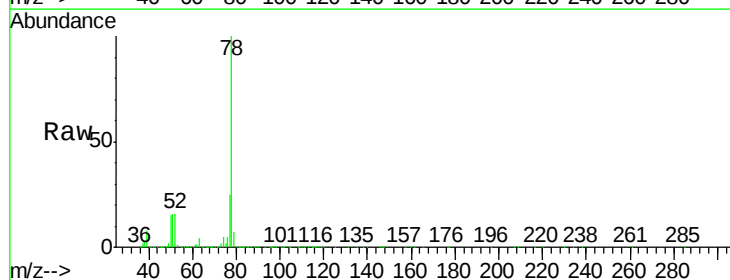
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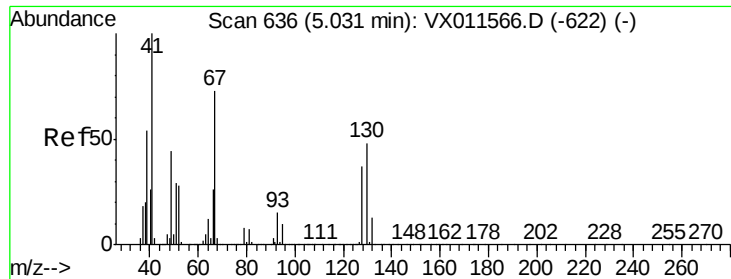
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#40
Benzene
Concen: 50.603 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	28.0





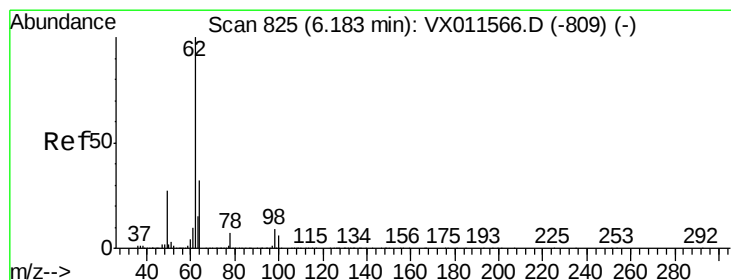
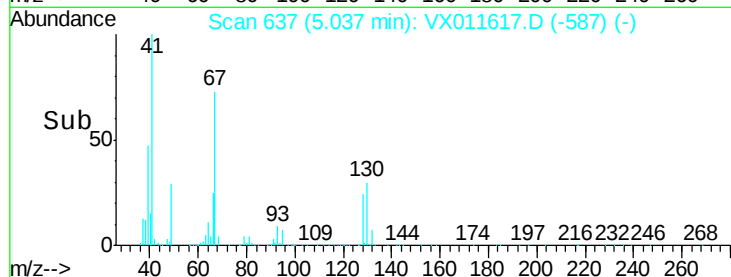
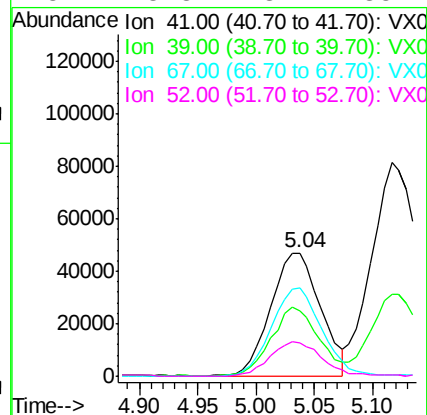
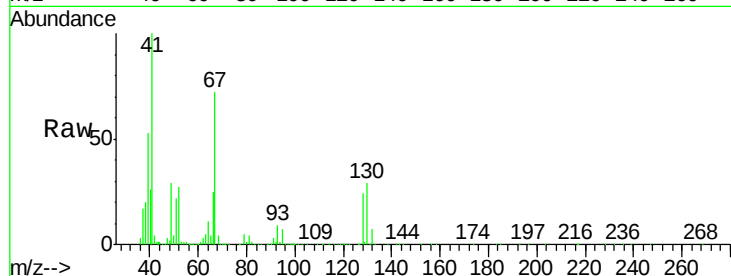
#41
Methacrylonitrile
Concen: 53.098 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	43.5	65.3	
67	73.0	59.4	89.2	
52	28.8	23.4	35.2	

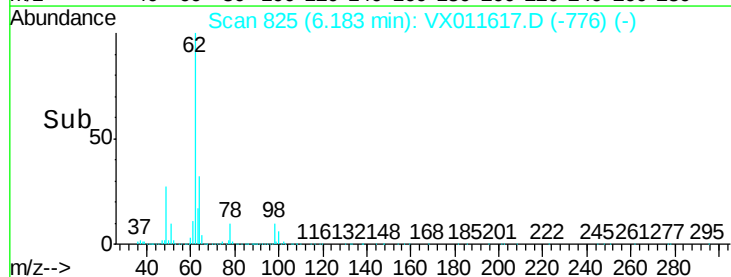
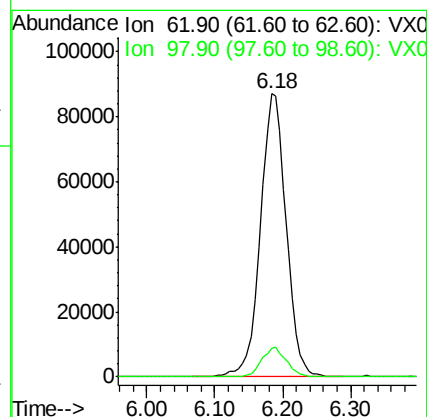
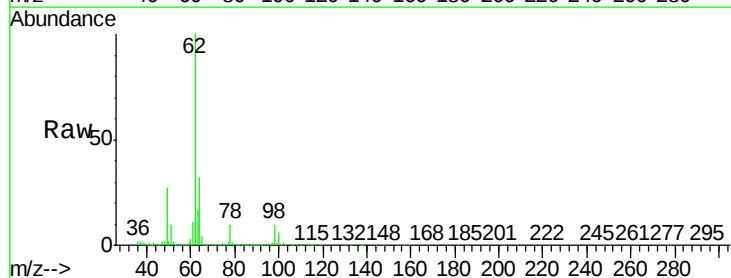
Manual Integrations
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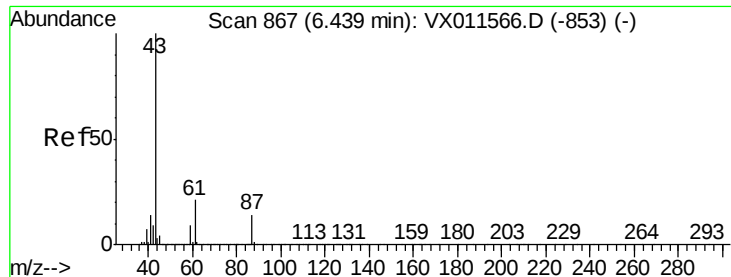
MMDadoda
8/19/2019 10:29:07 AM



#42
1,2-Dichloroethane
Concen: 52.136 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.4	





#43

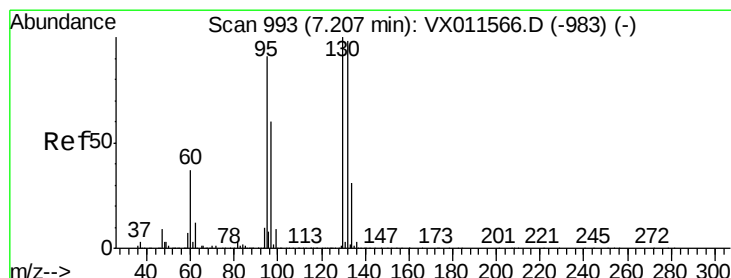
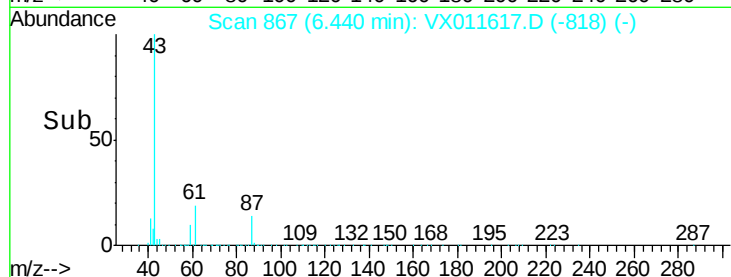
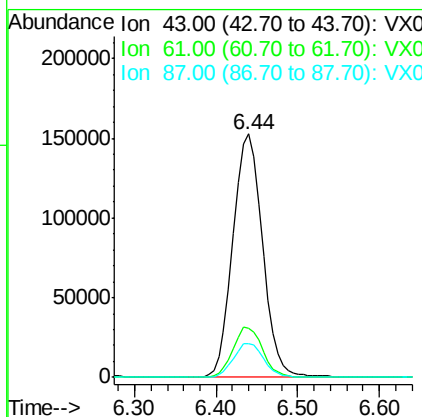
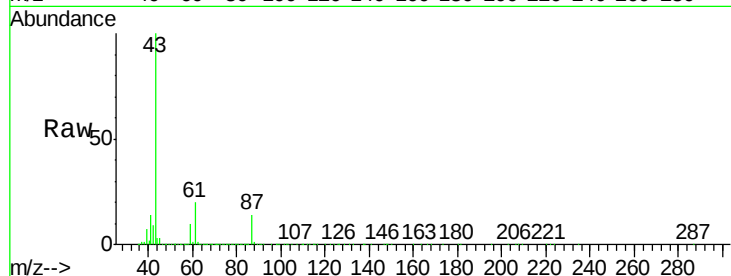
Isopropyl Acetate
 Concen: 51.903 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.6	24.8
87	14.4	11.4	17.2

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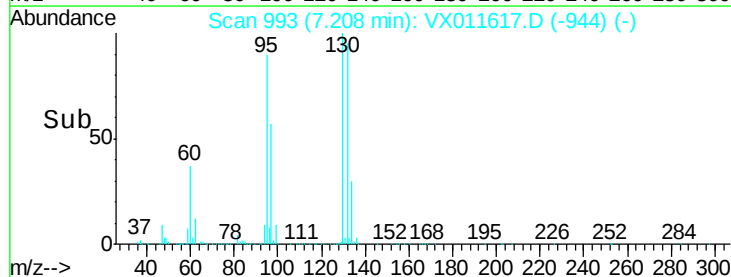
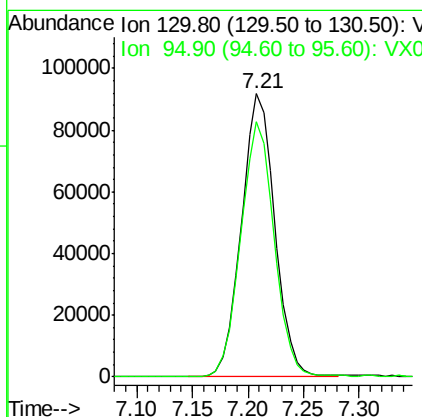
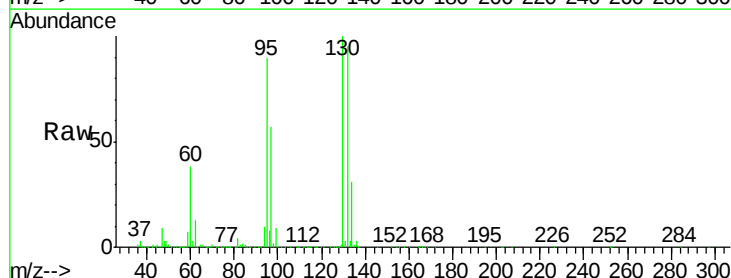
MMDadoda
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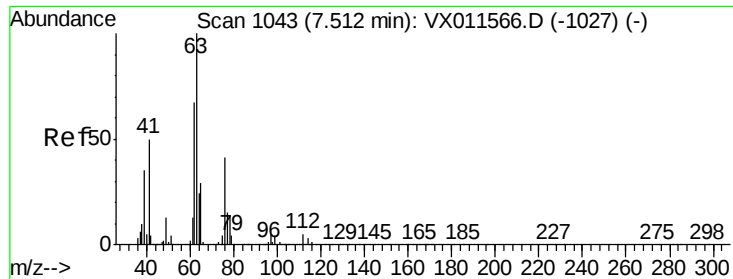


#44

Trichloroethene
 Concen: 50.598 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.9	0.0	181.4





#45

1,2-Dichloropropane

Concen: 52.663 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 167661

Ion Ratio Lower Upper

63 100

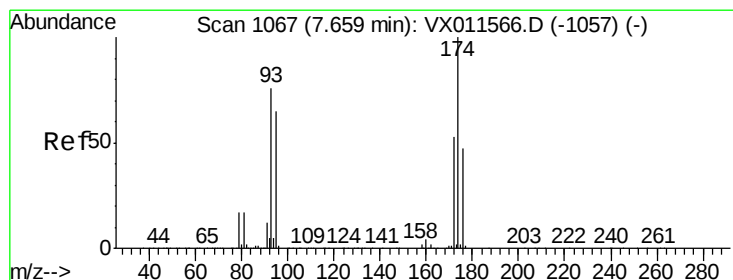
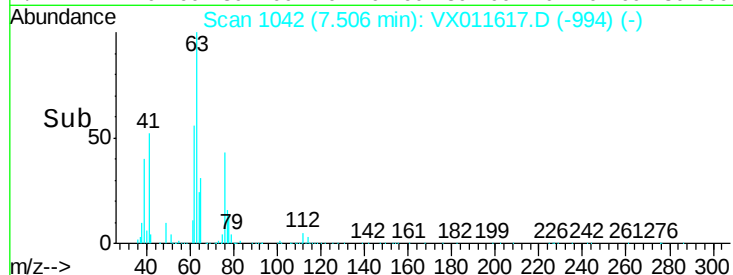
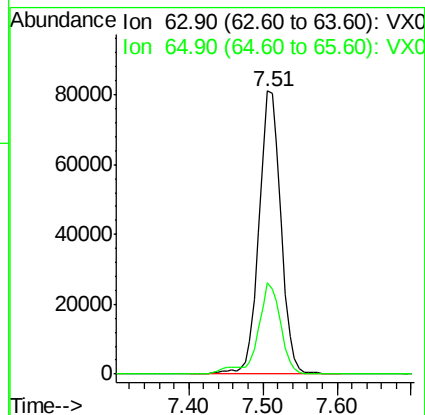
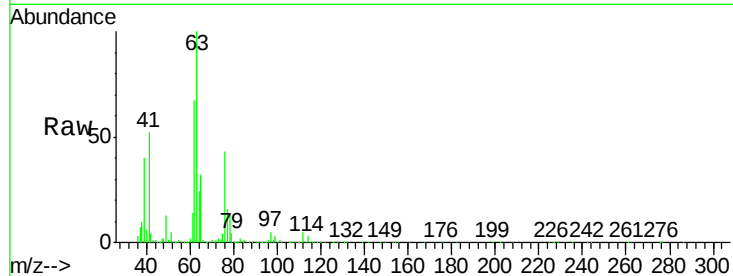
65 32.0 23.4 35.2

Manual Integrations

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#46

Dibromomethane

Concen: 50.246 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

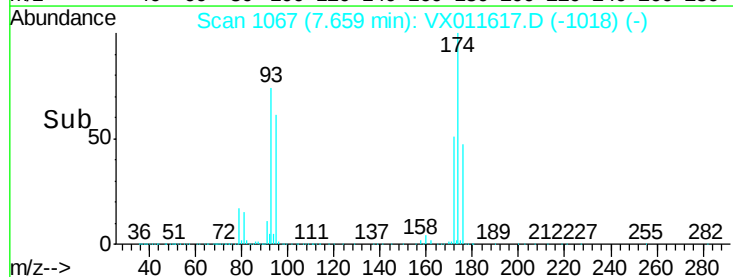
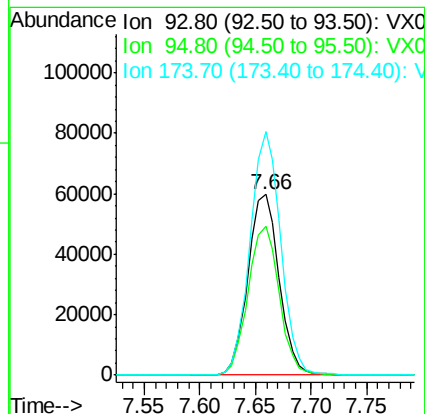
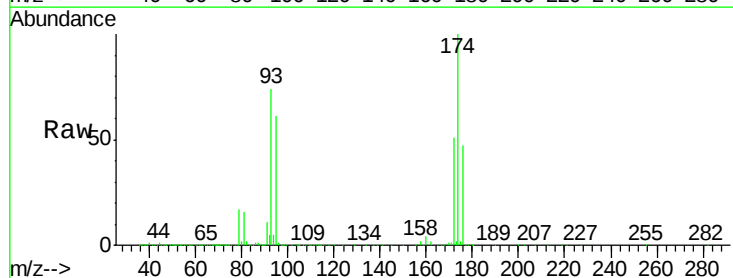
Tgt Ion: 93 Resp: 116244

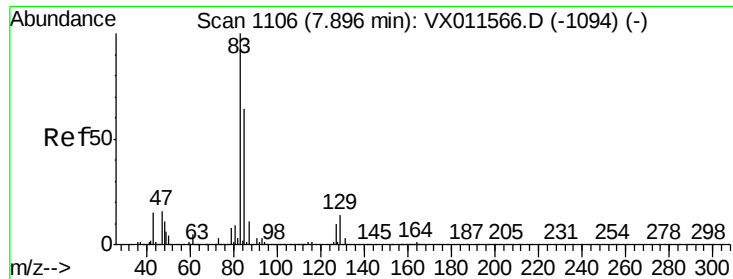
Ion Ratio Lower Upper

93 100

95 82.6 67.2 100.8

174 133.4 105.5 158.3





#47

Bromodichloromethane

Concen: 52.120 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

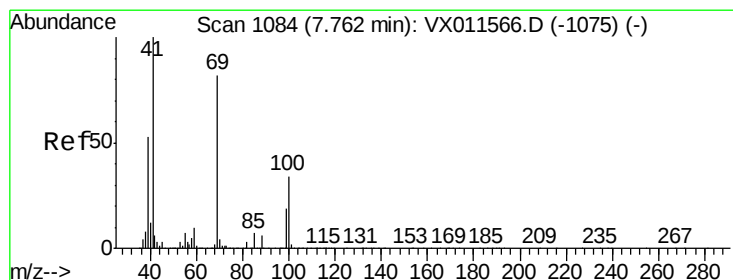
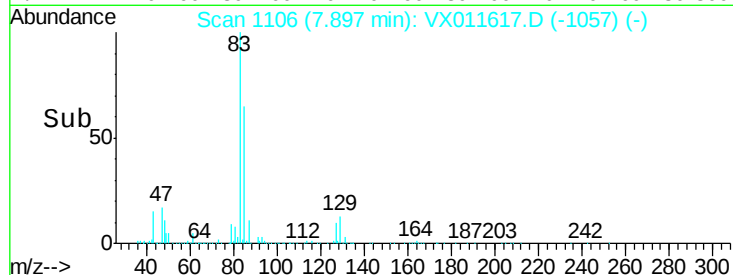
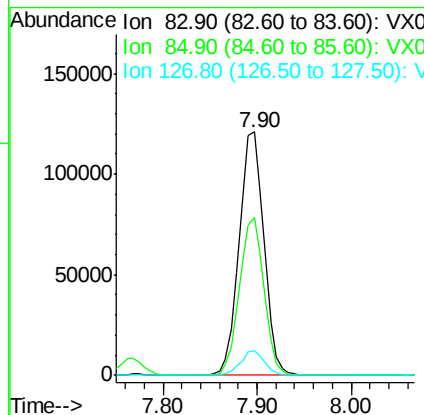
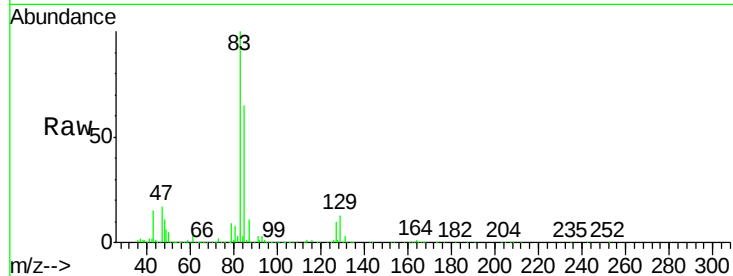
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	221400
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.2	76.8
127	10.2	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.976 ug/l

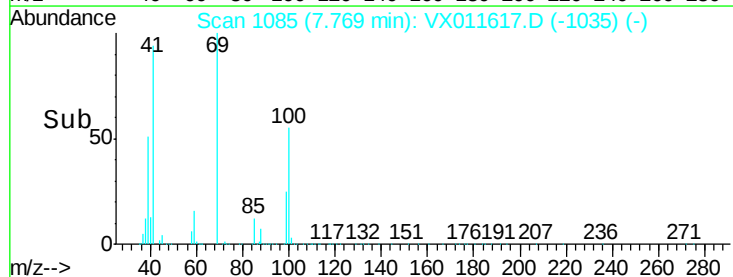
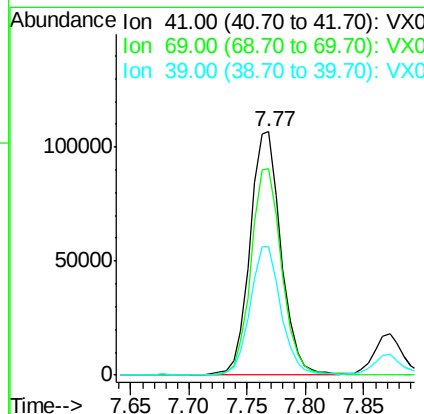
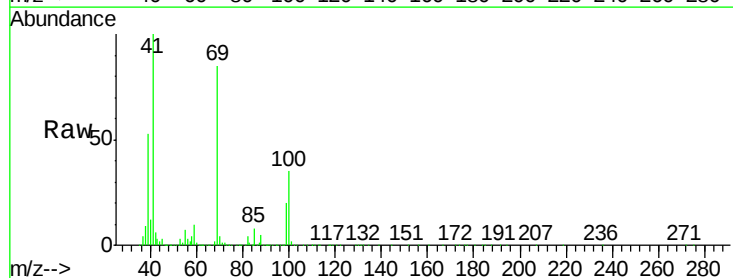
RT: 7.77 min Scan# 1085

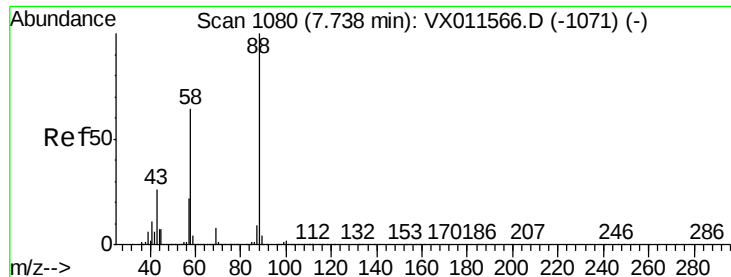
Delta R.T. 0.01 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion:	41	Resp:	197095
Ion Ratio	Lower	Upper	
41	100		
69	84.3	67.9	101.9
39	52.2	41.6	62.4





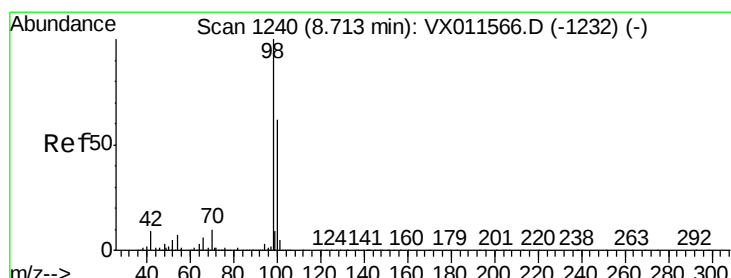
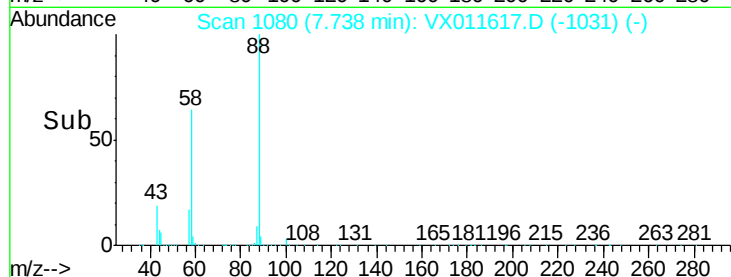
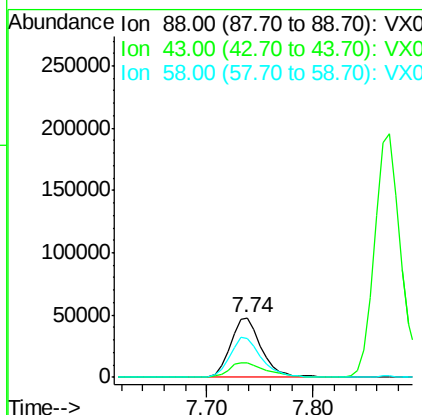
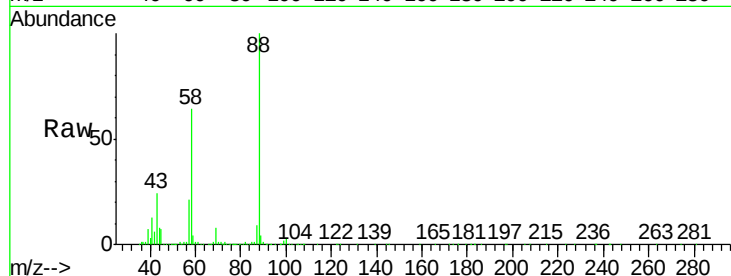
#49
1,4-Dioxane
Concen: 1003.244 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	23.4	35.0
58	67.7	54.3	81.5

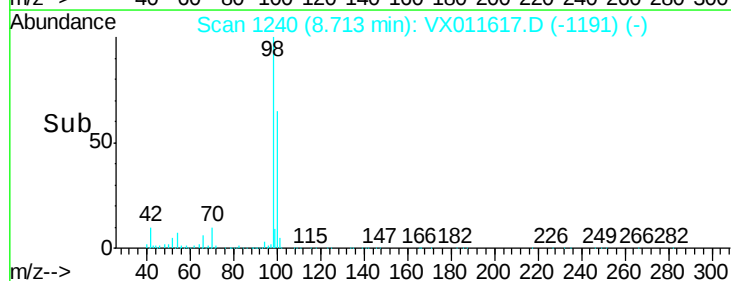
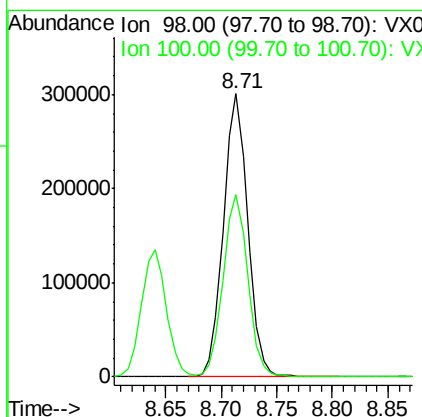
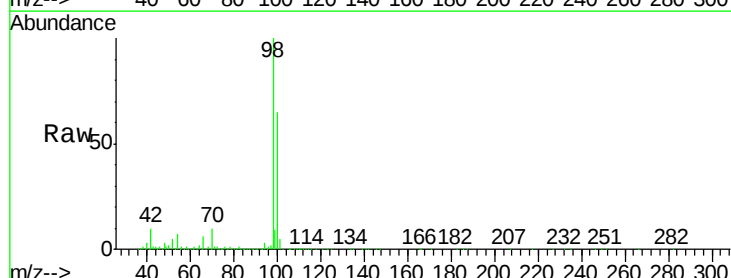
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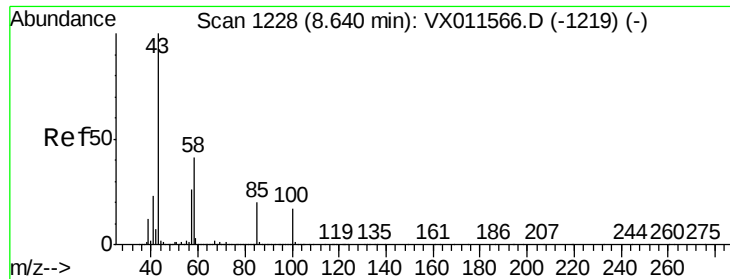
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#50
Toluene-d8
Concen: 46.505 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





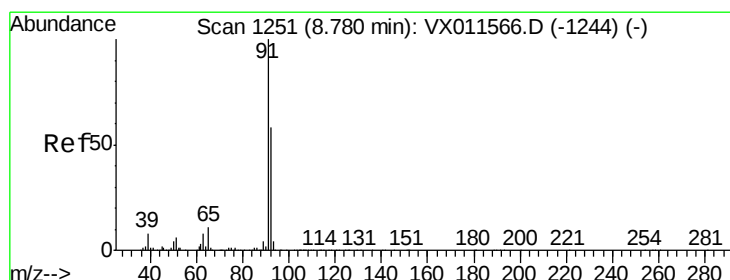
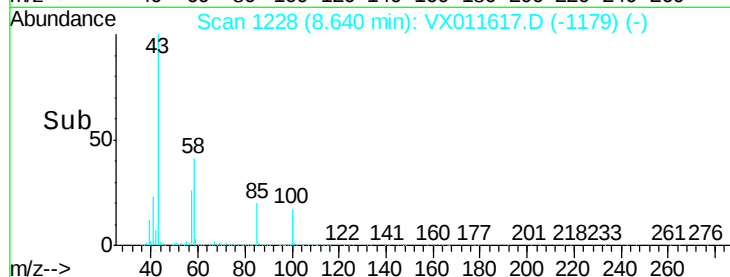
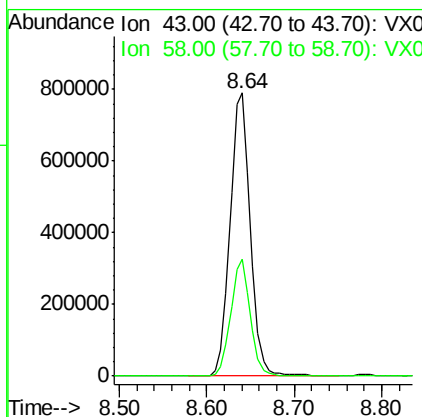
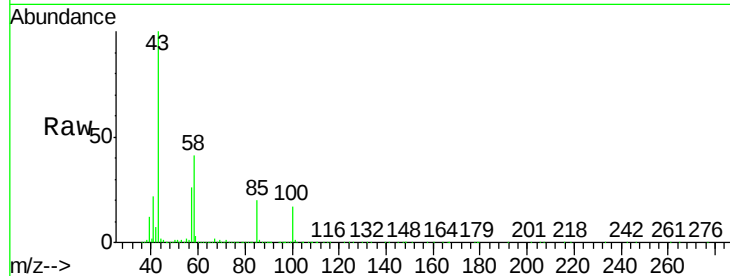
#51
4-Methyl-2-Pentanone
Concen: 263.117 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1269902
Ion Ratio Lower Upper
43 100
58 39.8 31.8 47.6

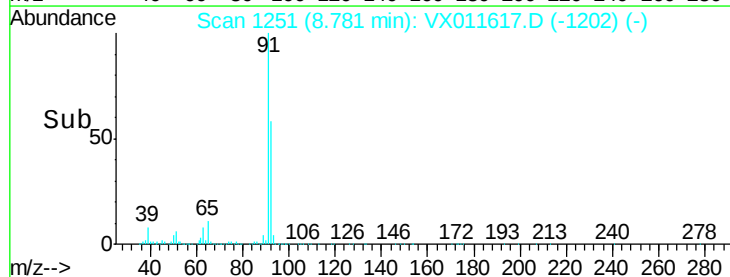
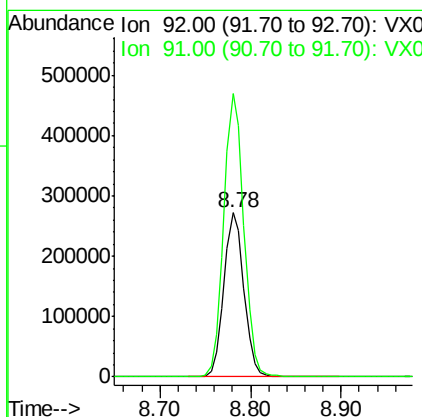
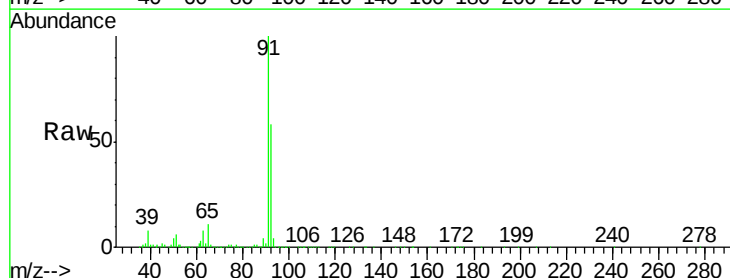
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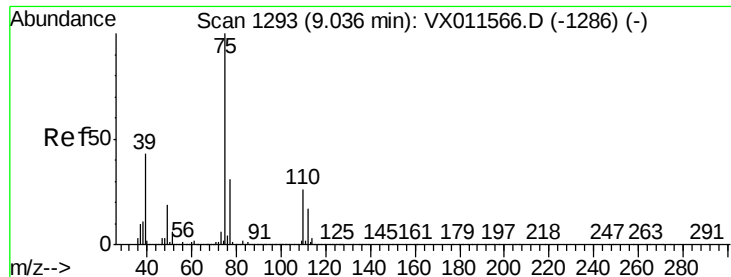
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#52
Toluene
Concen: 51.410 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion: 92 Resp: 418110
Ion Ratio Lower Upper
92 100
91 172.9 138.0 207.0





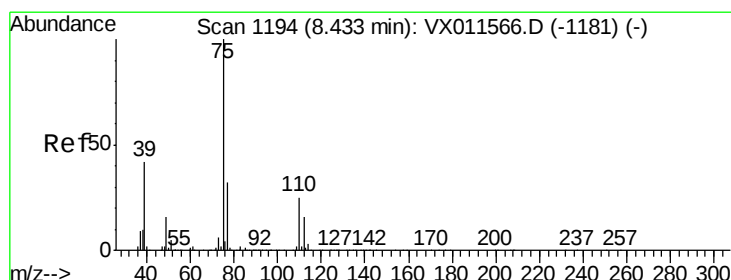
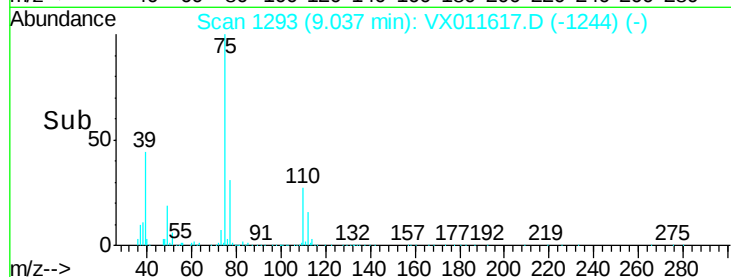
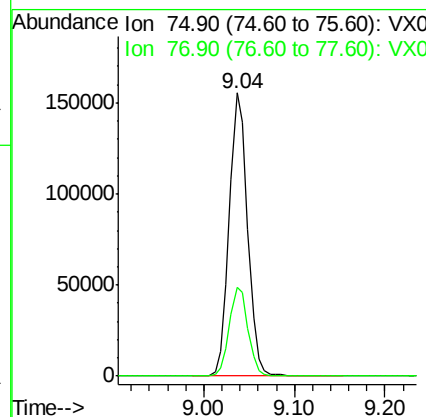
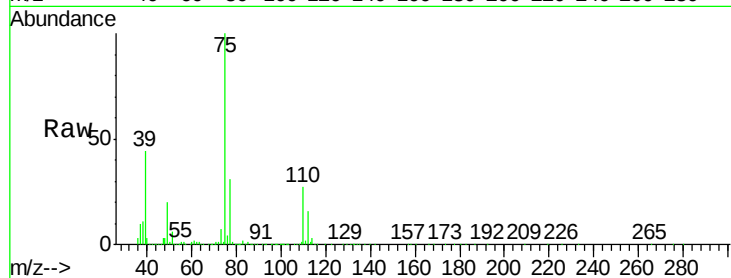
#53
t-1,3-Dichloropropene
Concen: 49.708 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.1	37.7

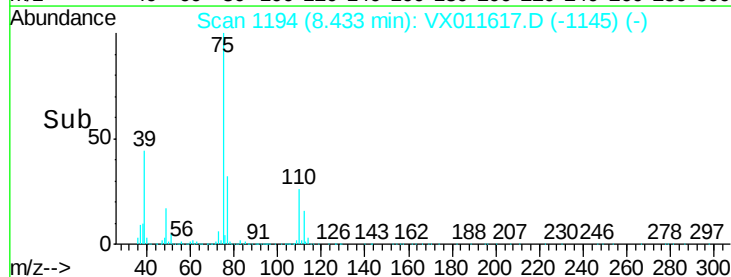
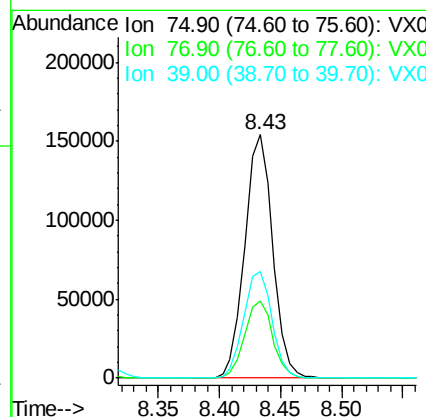
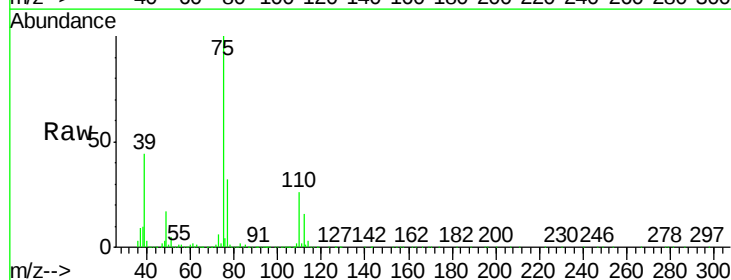
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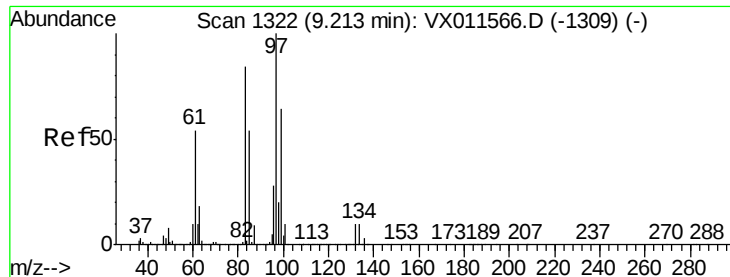
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#54
cis-1,3-Dichloropropene
Concen: 50.675 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	43.9	33.6	50.4





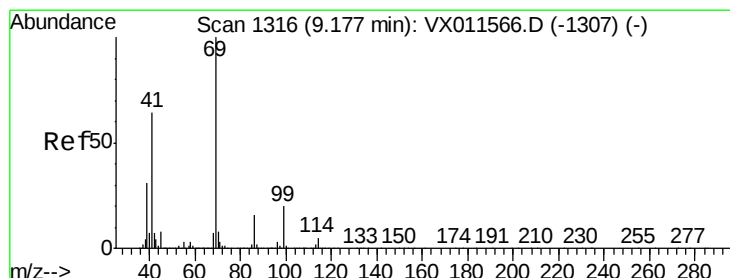
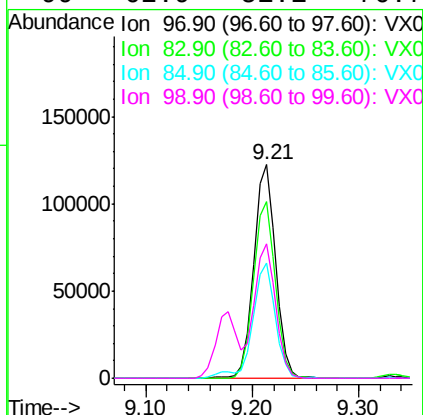
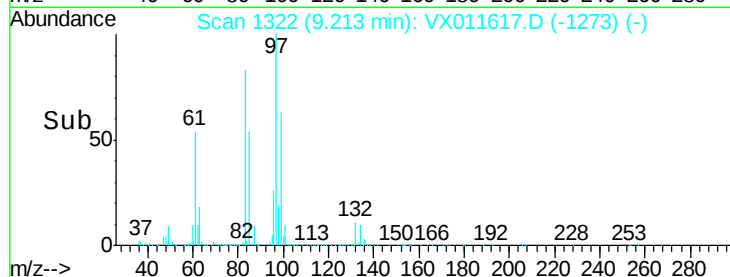
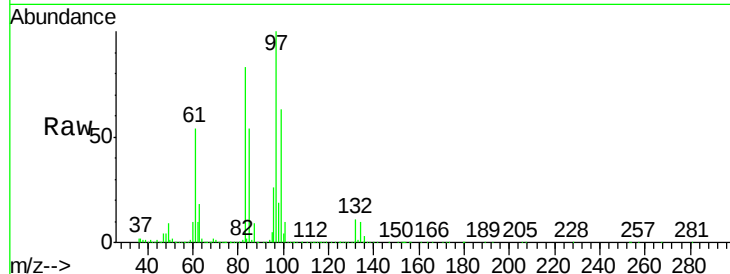
#55
 1,1,2-Trichloroethane
 Concen: 51.214 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		177124		
83	82.7	67.4	101.0		
85	53.7	43.4	65.2		
99	62.9	51.1	76.7		

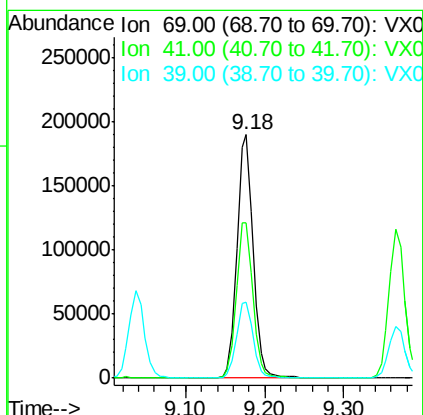
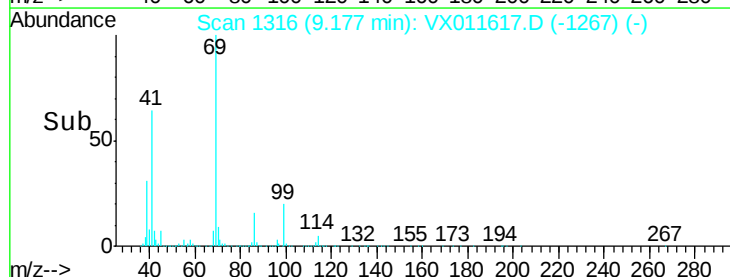
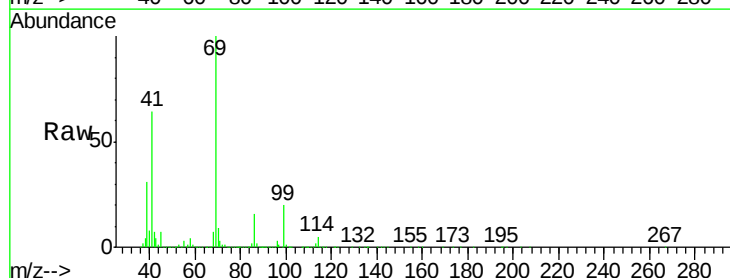
Manual Integrations
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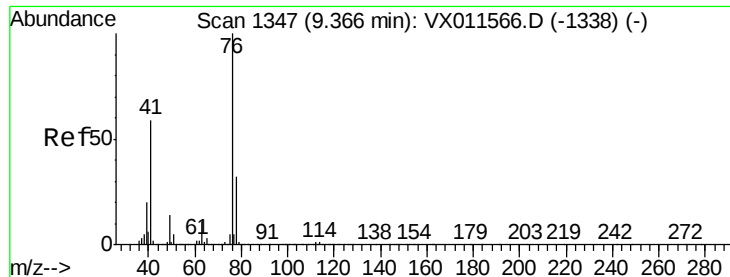
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#56
 Ethyl methacrylate
 Concen: 53.678 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		269822		
41	65.6	52.1	78.1		
39	32.3	25.4	38.0		





#57

1,3-Dichloropropane

Concen: 51.544 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 283368

Ion Ratio Lower Upper

76 100

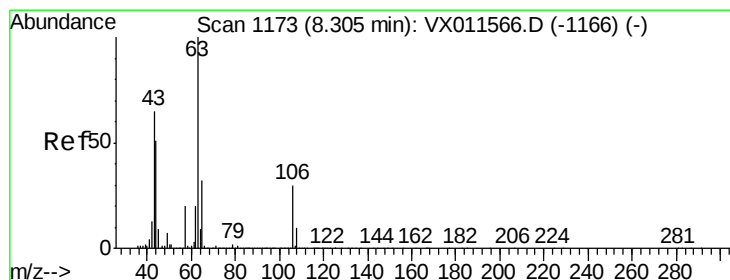
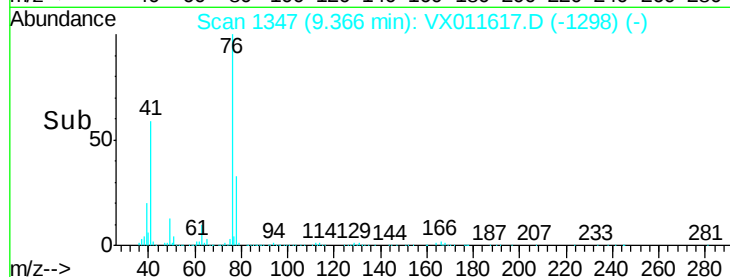
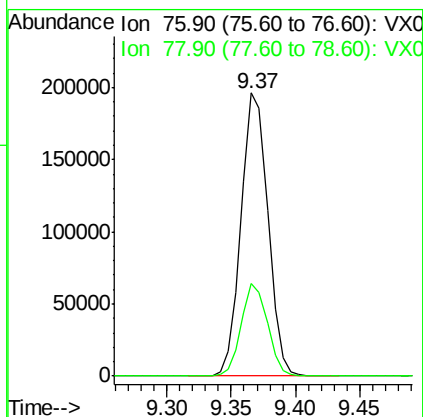
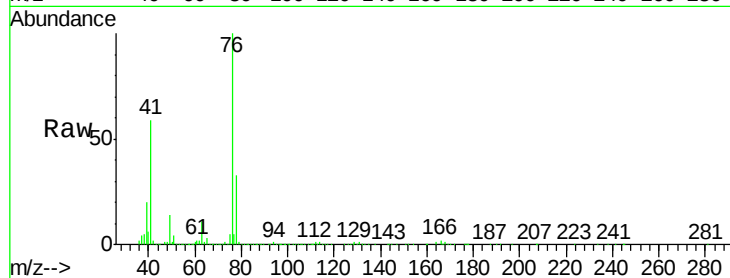
78 32.1 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 261.186 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011617.D

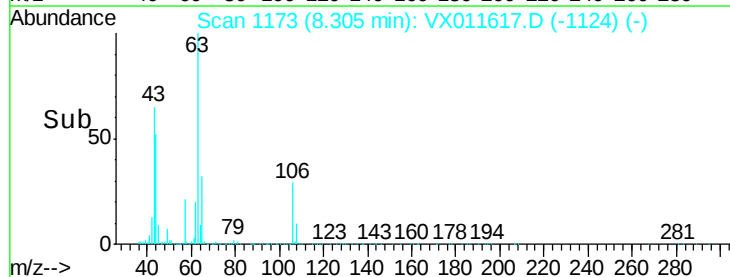
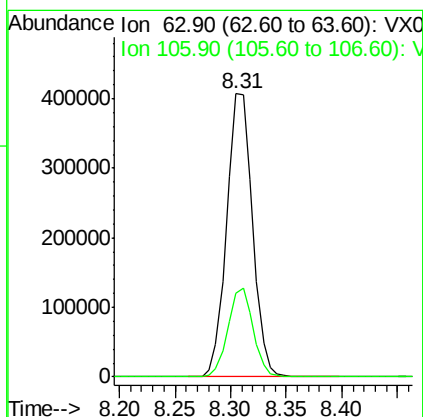
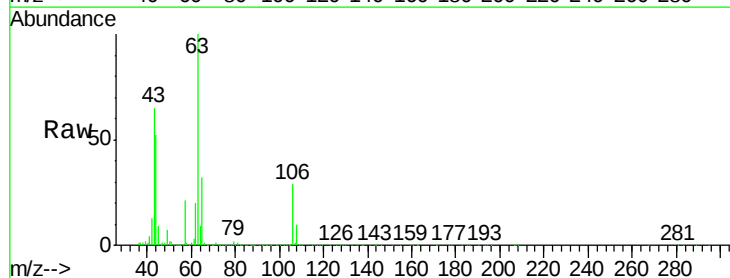
Acq: 17 Aug 2019 06:29

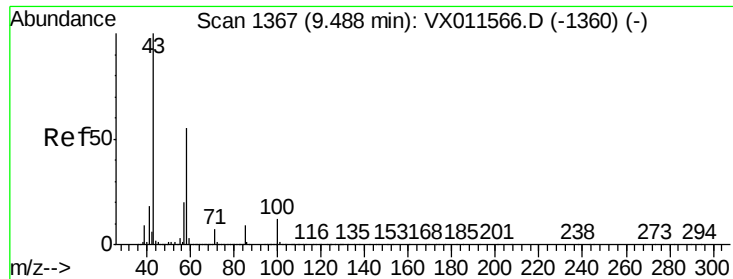
Tgt Ion: 63 Resp: 654172

Ion Ratio Lower Upper

63 100

106 30.4 24.7 37.1





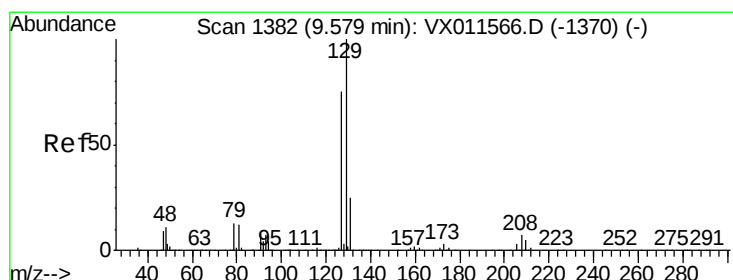
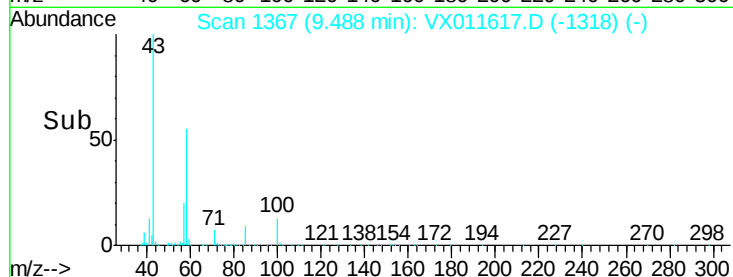
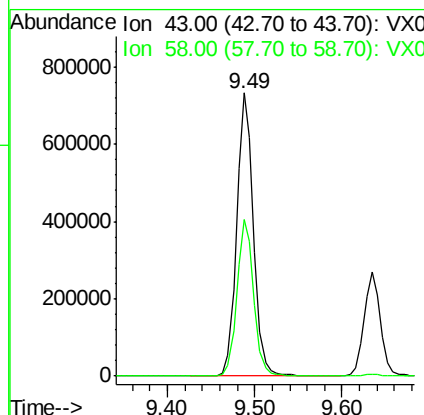
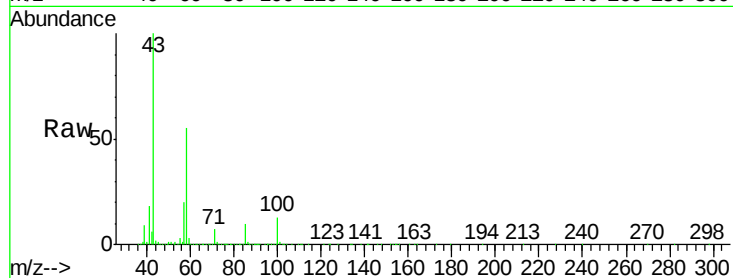
#59
2-Hexanone
Concen: 264.090 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.5	82.4

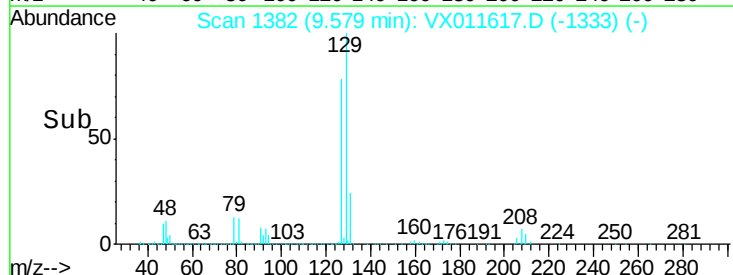
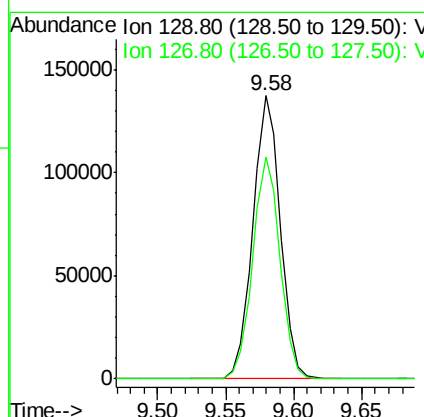
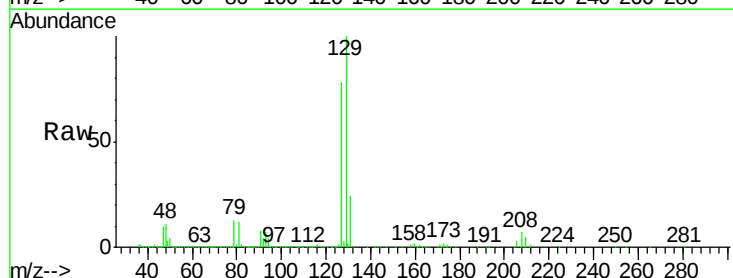
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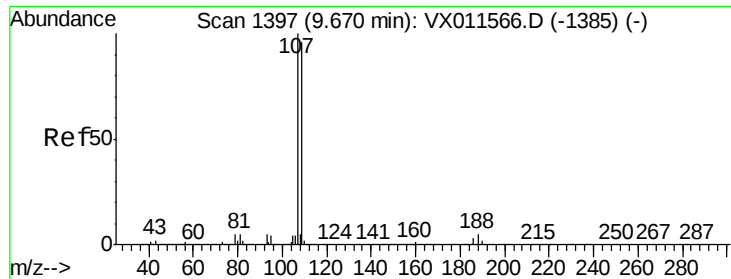
MMDadoda
8/19/2019 10:29:07 AM



#60
Dibromochloromethane
Concen: 53.980 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.0	114.1





#61

1,2-Dibromoethane

Concen: 52.498 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 193772

Ion Ratio Lower Upper

107 100

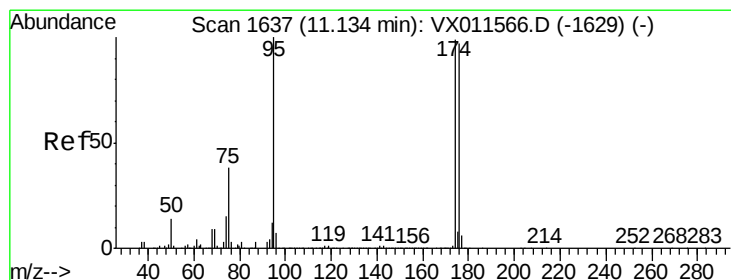
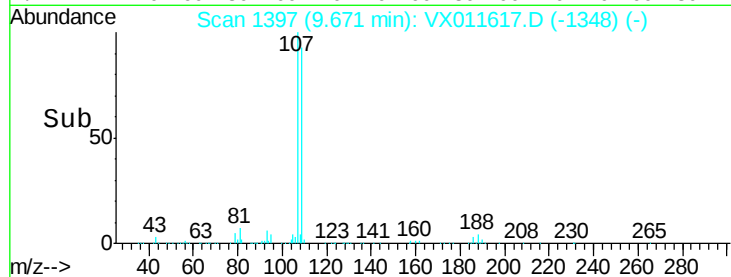
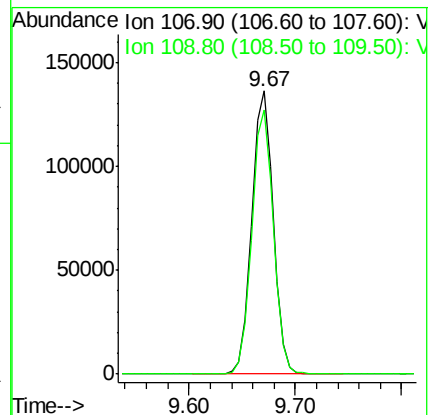
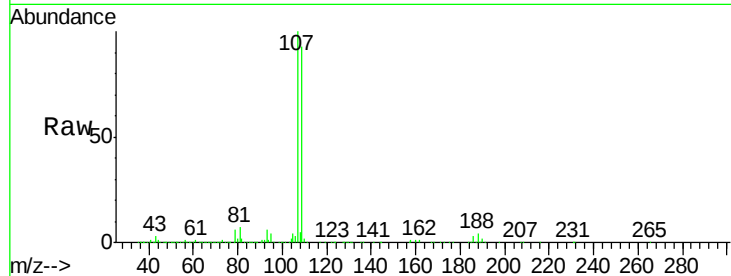
109 93.3 76.2 114.2

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#62

4-Bromofluorobenzene

Concen: 45.767 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

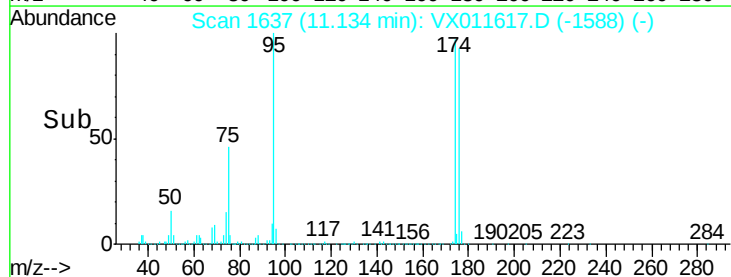
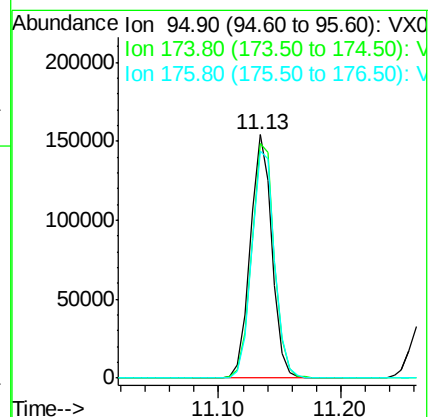
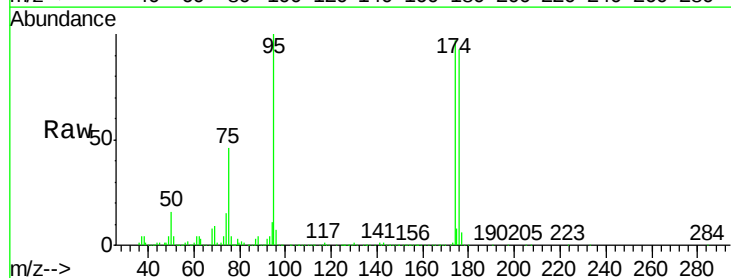
Tgt Ion: 95 Resp: 189151

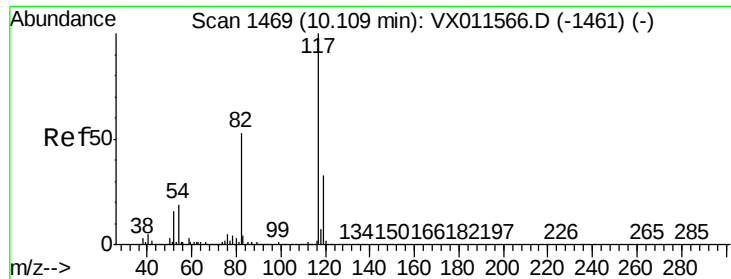
Ion Ratio Lower Upper

95 100

174 101.2 0.0 200.6

176 99.0 0.0 196.6





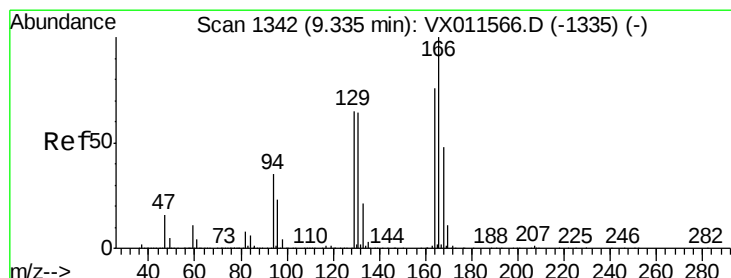
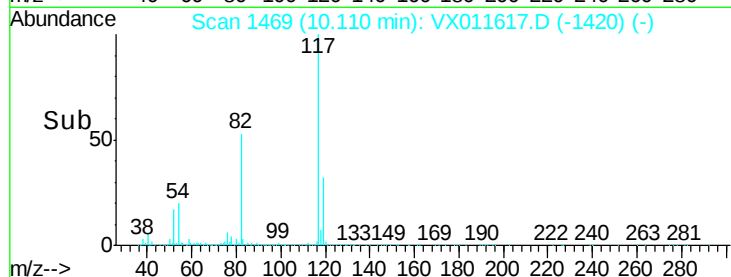
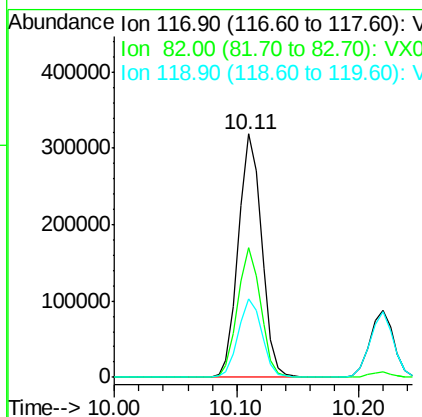
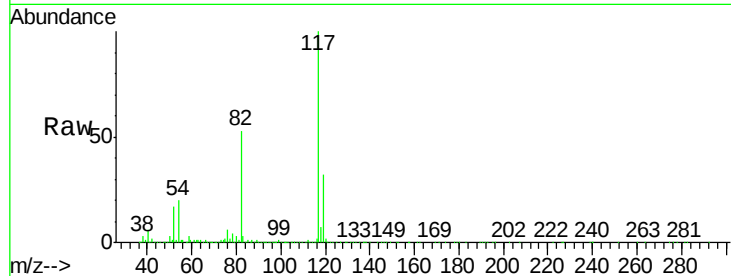
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.0	63.0
119	32.5	26.5	39.7

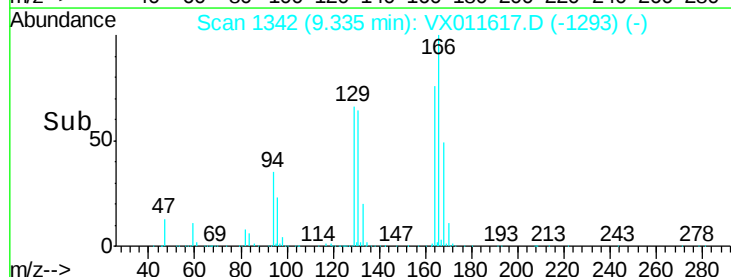
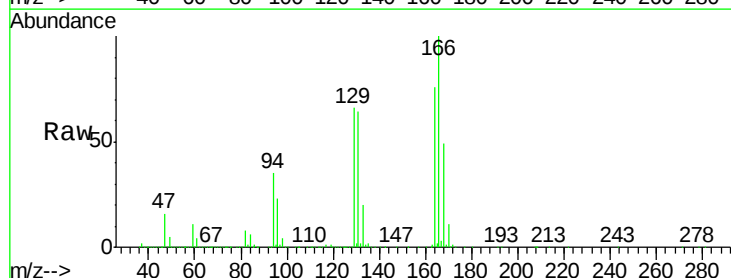
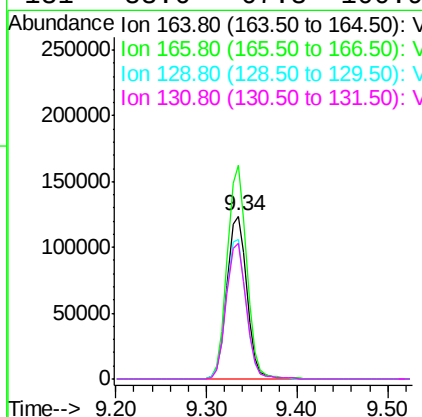
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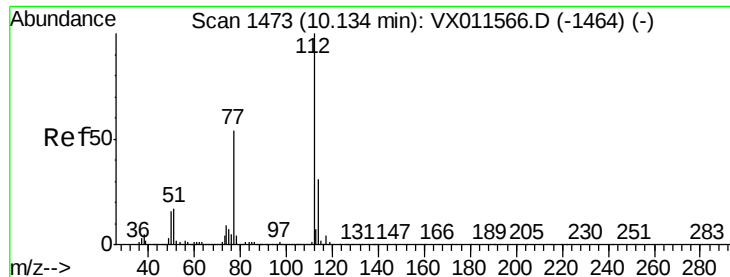
MMDadoda
8/19/2019 10:29:07 AM



#64
Tetrachloroethene
Concen: 55.231 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	104.7	157.1
129	86.0	68.2	102.4
131	83.6	67.3	100.9





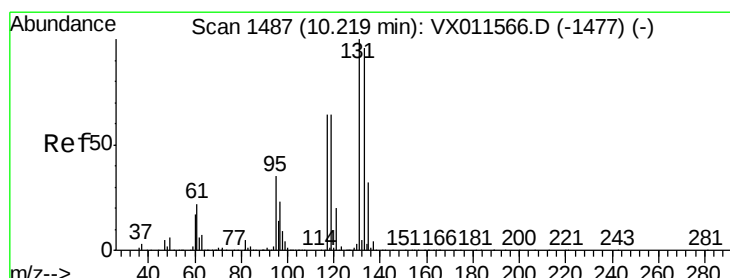
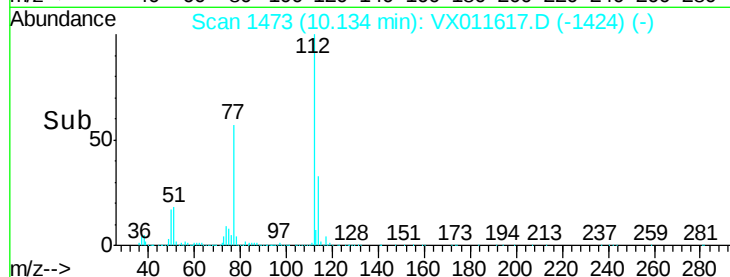
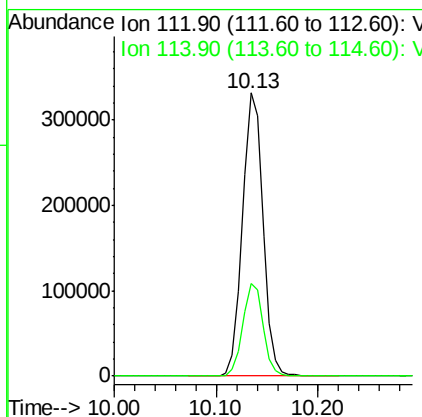
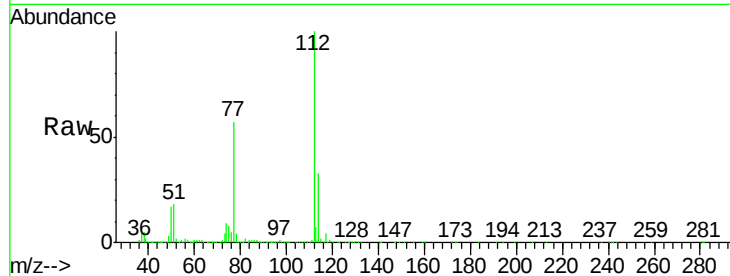
#65
Chlorobenzene
Concen: 51.419 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.0	37.6

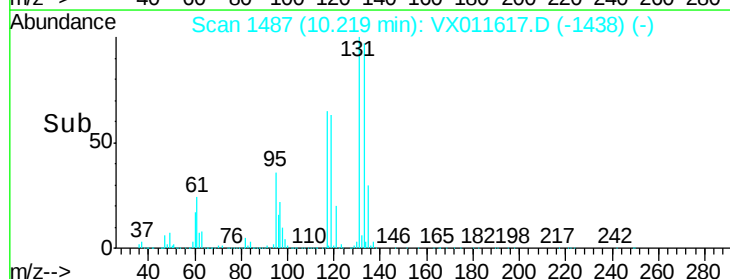
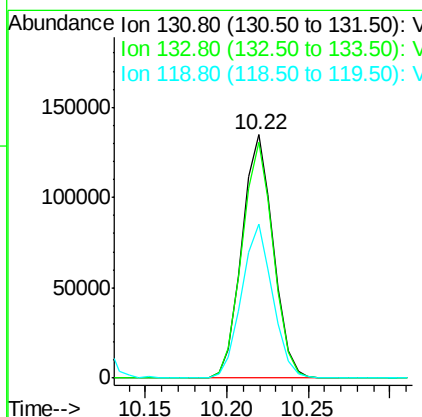
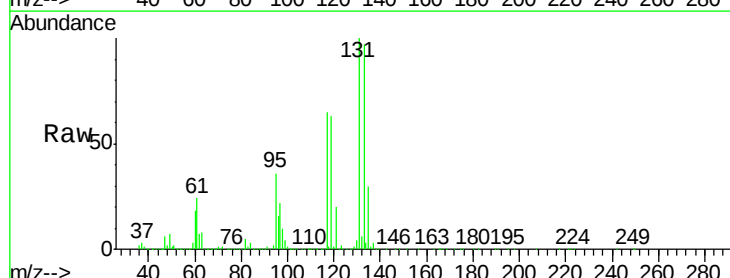
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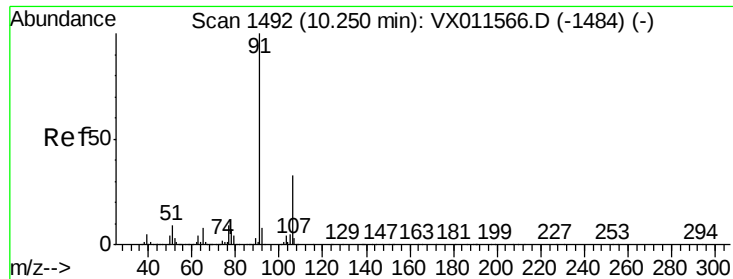
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.997 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	48.1	144.4
119	62.9	31.3	93.8





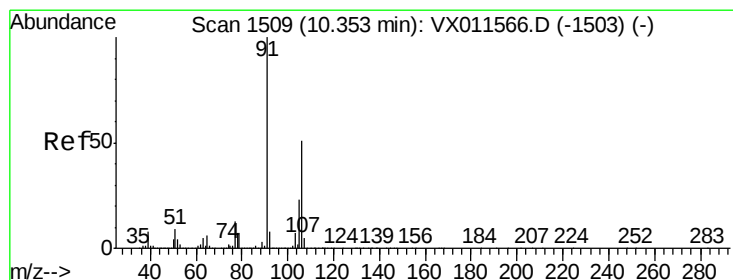
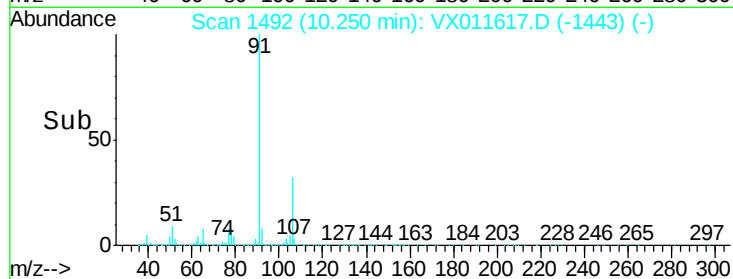
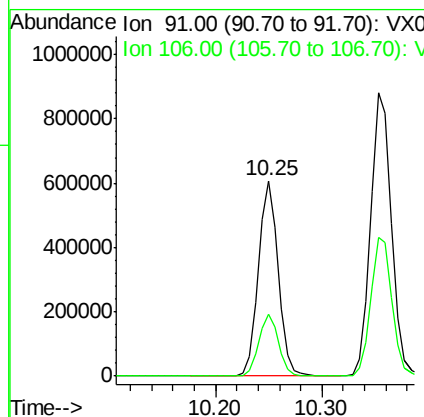
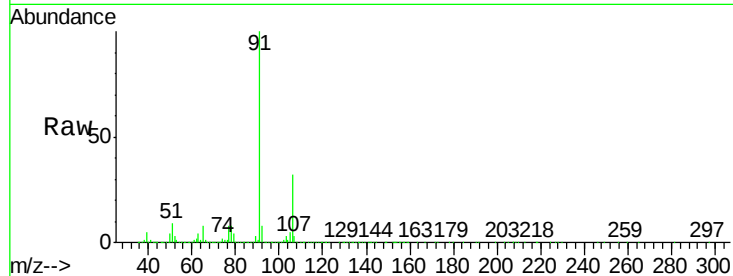
#67
Ethyl Benzene
Concen: 53.129 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 795088
Ion Ratio Lower Upper
91 100
106 31.7 26.0 39.0

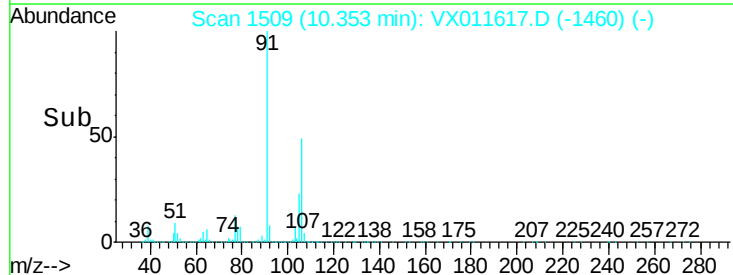
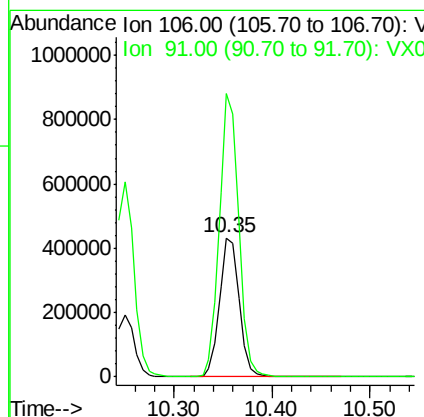
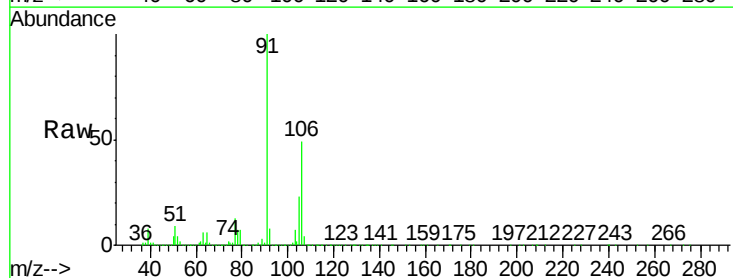
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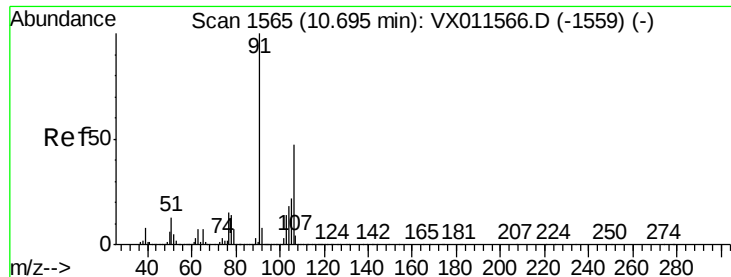
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#68
m/p-Xylenes
Concen: 104.929 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion: 106 Resp: 602764
Ion Ratio Lower Upper
106 100
91 200.5 156.0 234.0





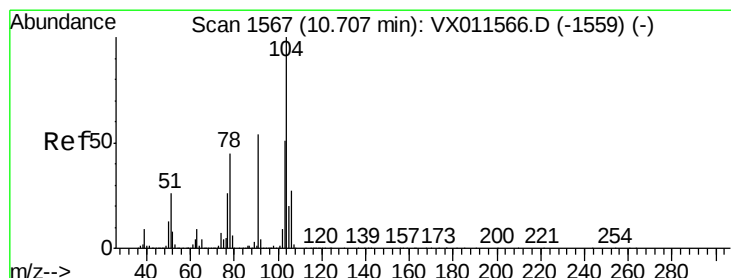
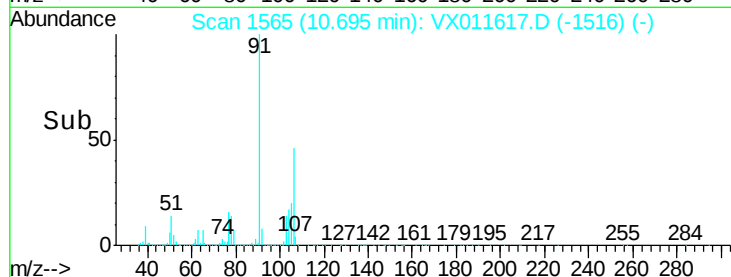
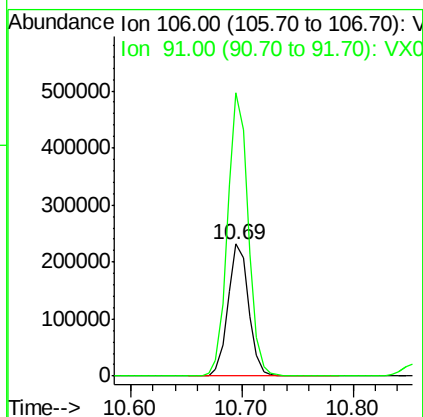
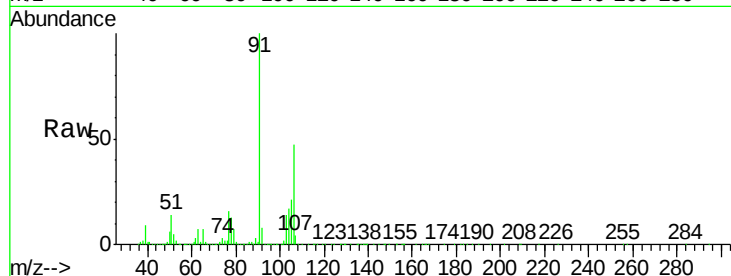
#69
o-Xylene
Concen: 52.791 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.3	105.5	316.4

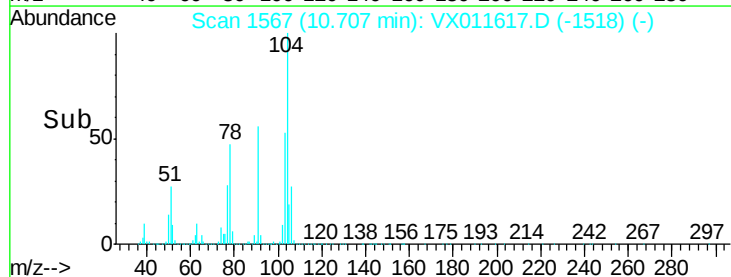
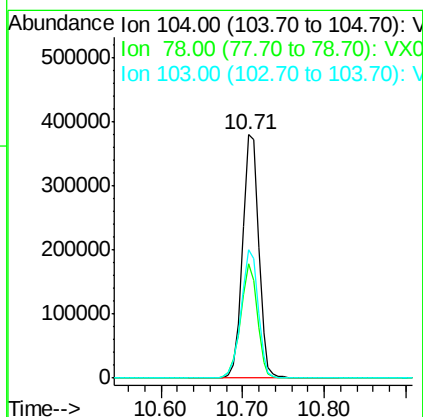
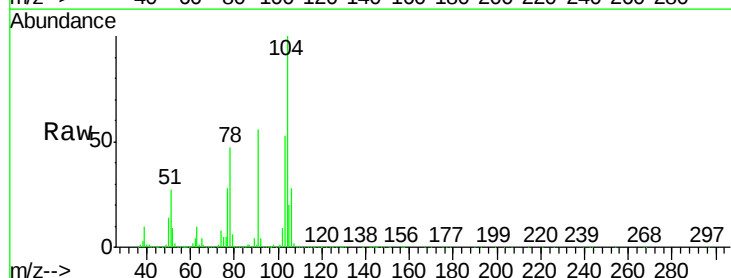
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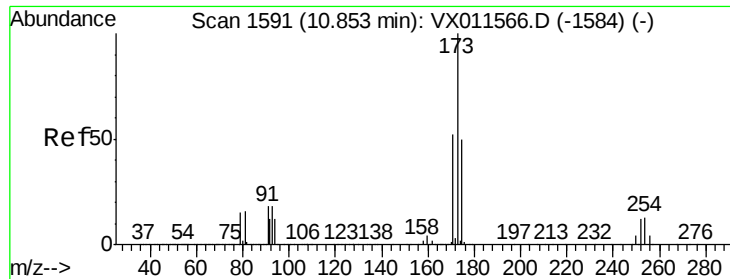
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#70
Styrene
Concen: 54.468 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.2	57.4
103	55.5	43.6	65.4





#71

Bromoform

Concen: 49.423 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 160838

Ion Ratio Lower Upper

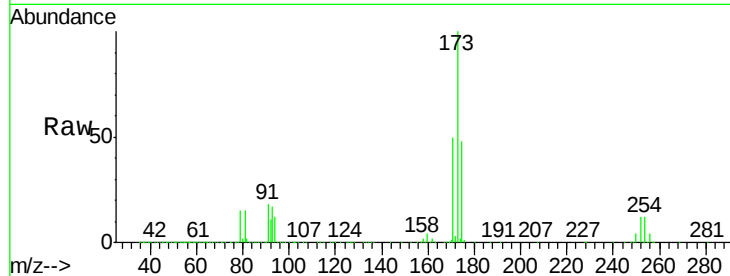
173 100

175 48.4 24.9 74.7

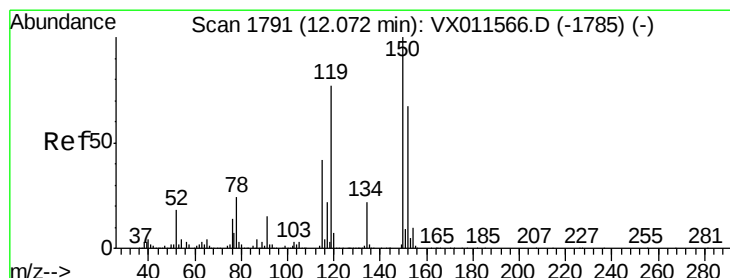
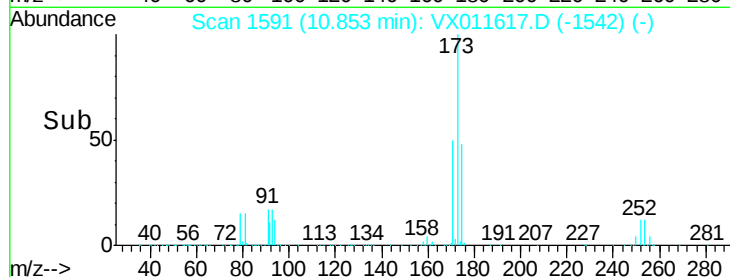
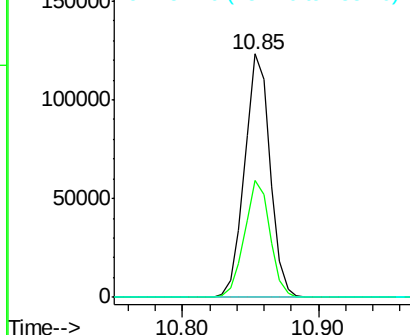
254 0.3 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

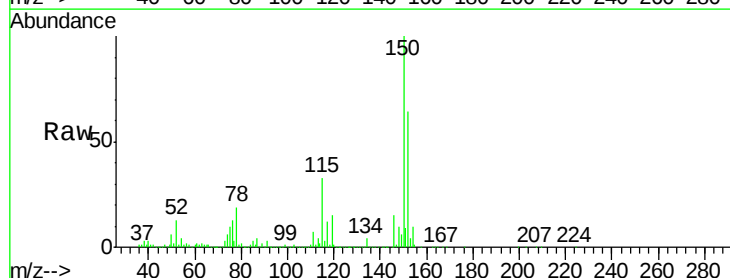
Tgt Ion:152 Resp: 241146

Ion Ratio Lower Upper

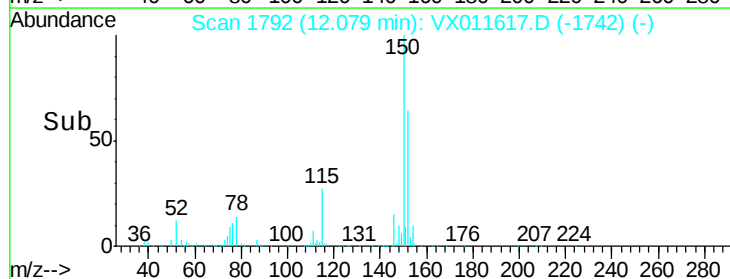
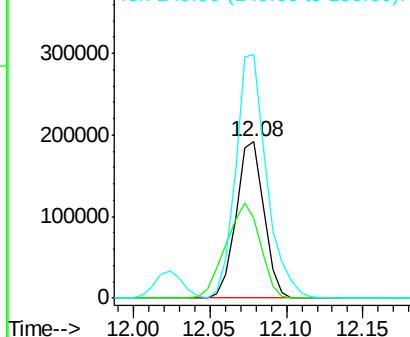
152 100

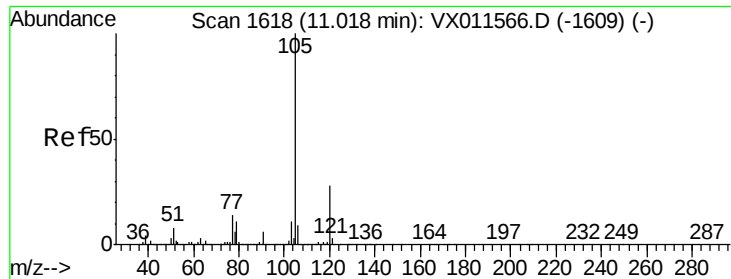
115 74.8 37.3 111.9

150 173.5 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: 52.186 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 816588

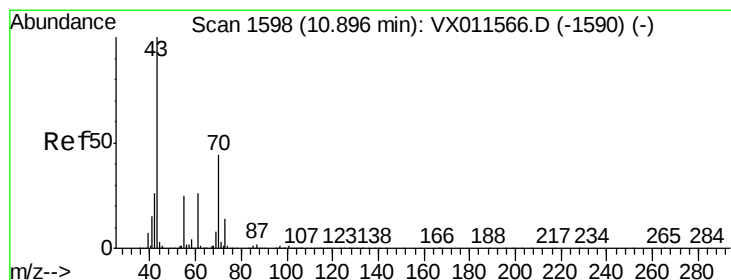
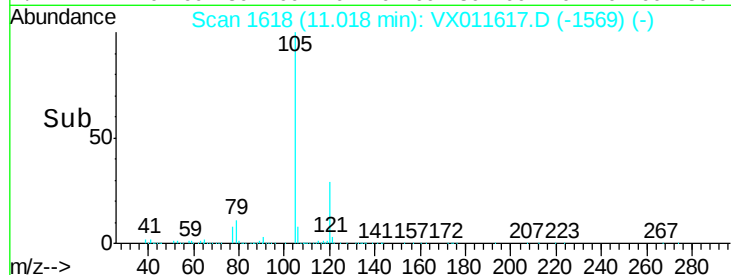
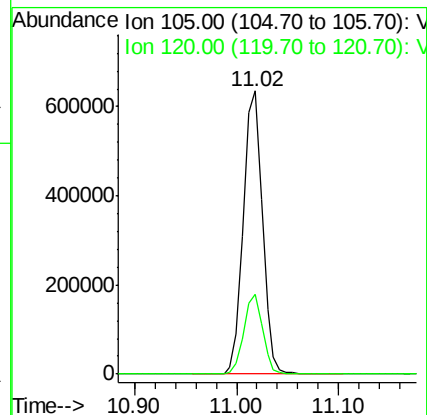
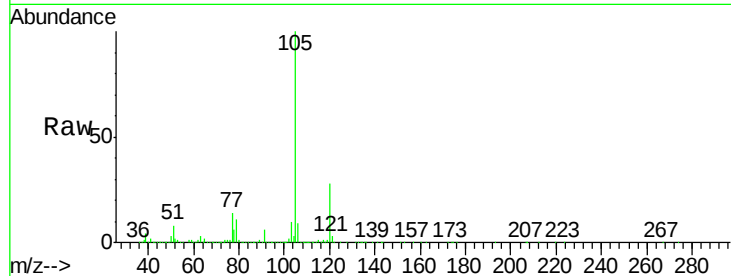
Ion Ratio Lower Upper

105 100

120 27.7 14.0 41.9

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#74

N-ethyl acetate

Concen: 51.645 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion: 43 Resp: 343423

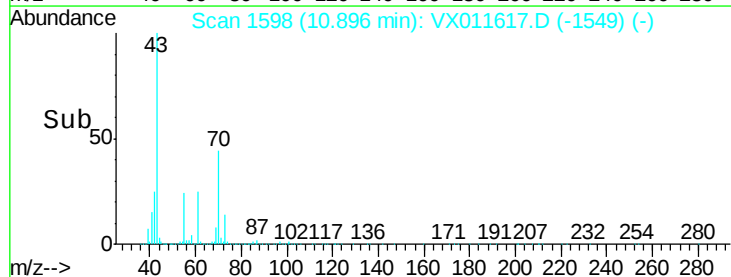
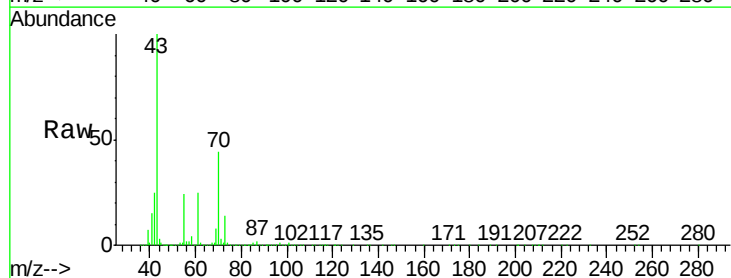
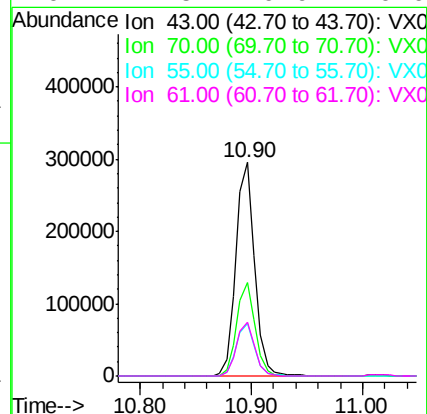
Ion Ratio Lower Upper

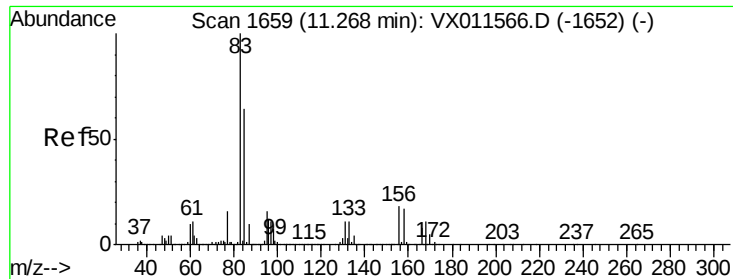
43 100

70 43.2 34.7 52.1

55 24.2 19.6 29.4

61 24.5 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.801 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

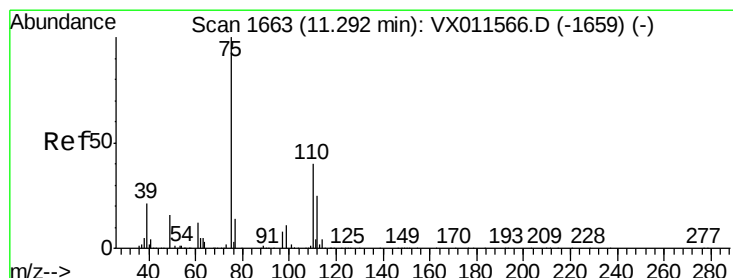
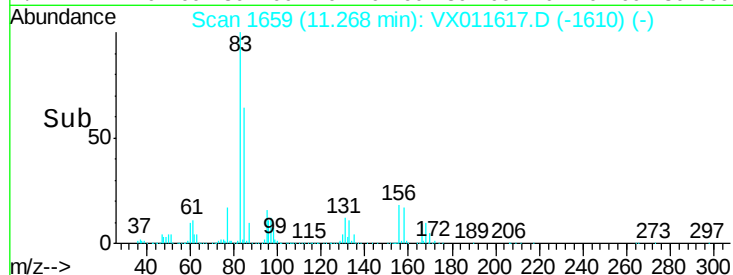
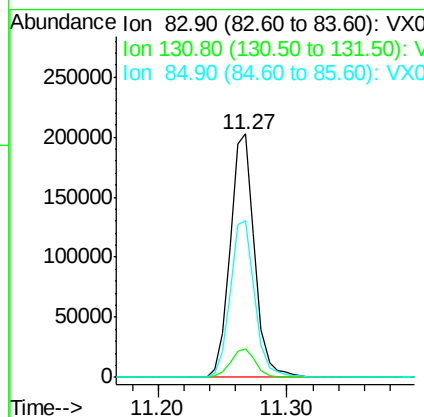
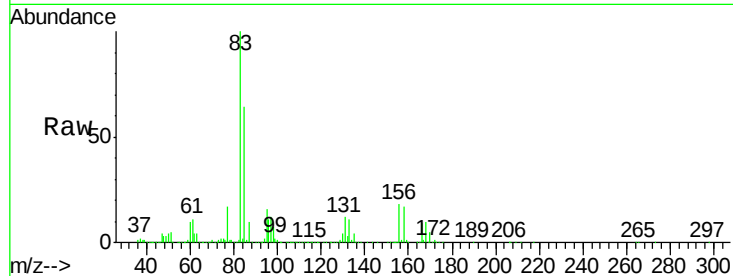
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	268071
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.8	17.3
85	65.1	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 50.228 ug/l m

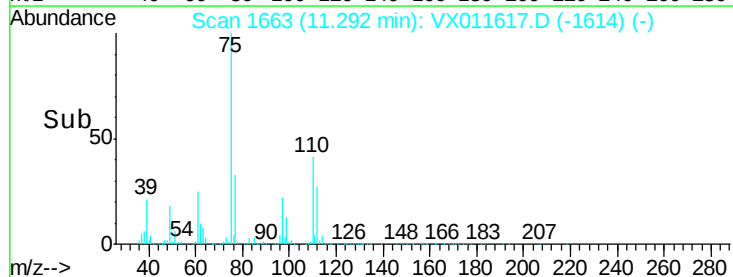
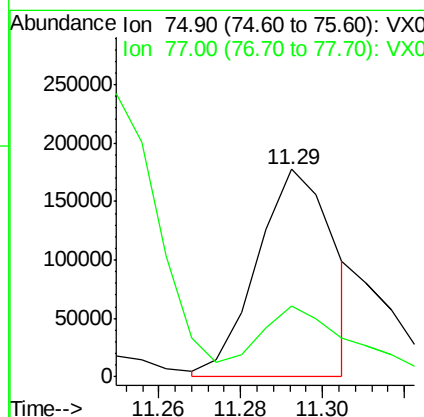
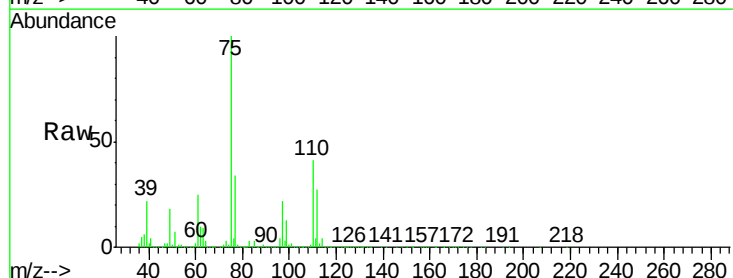
RT: 11.29 min Scan# 1663

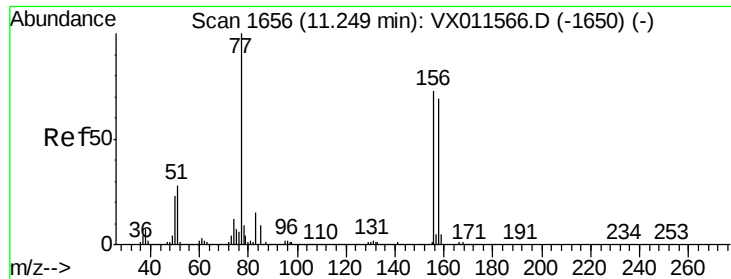
Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion:	75	Resp:	229678
Ion Ratio	Lower	Upper	
75	100		
77	41.6	20.9	62.8





#77

Bromobenzene

Concen: 51.230 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

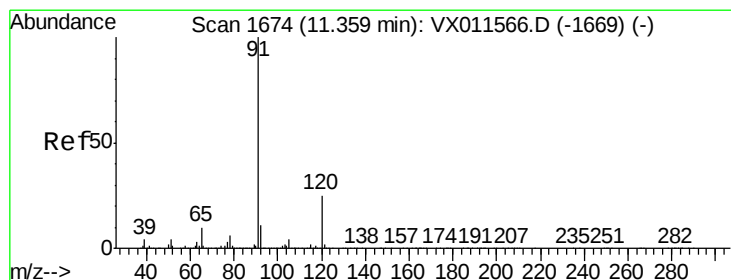
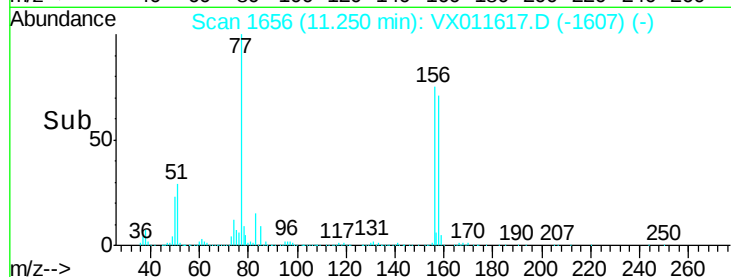
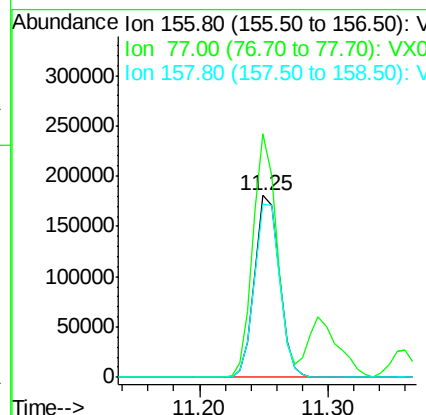
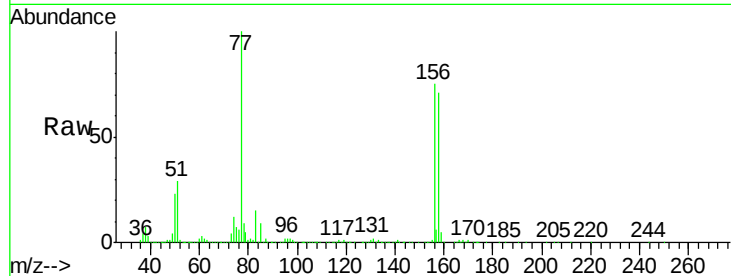
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	238499
Ion Ratio	Lower	Upper	
156	100		
77	129.2	64.6	193.9
158	97.5	48.4	145.3

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#78

n-propylbenzene

Concen: 52.440 ug/l

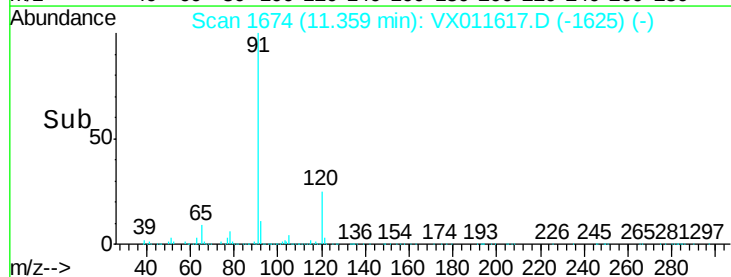
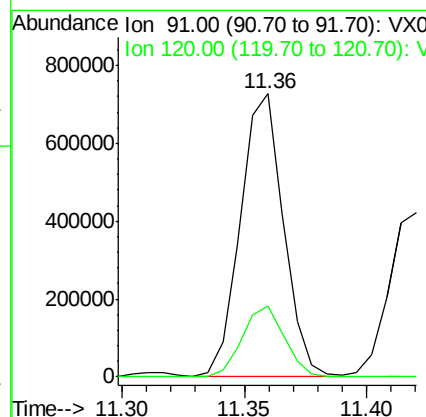
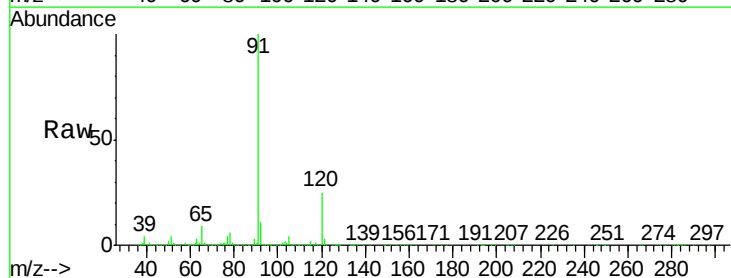
RT: 11.36 min Scan# 1674

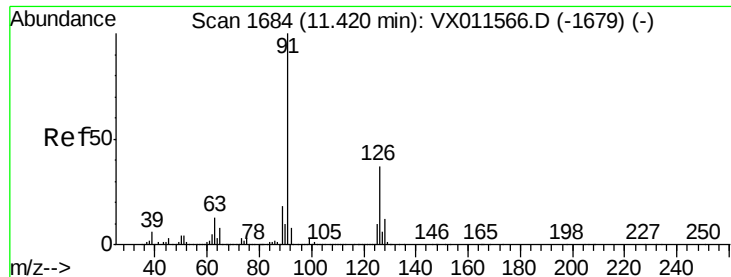
Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion:	91	Resp:	884811
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.6	37.6





#79

2-Chlorotoluene

Concen: 51.561 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 534214

Ion Ratio Lower Upper

91 100

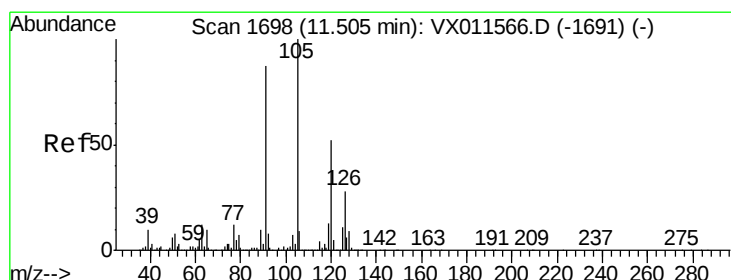
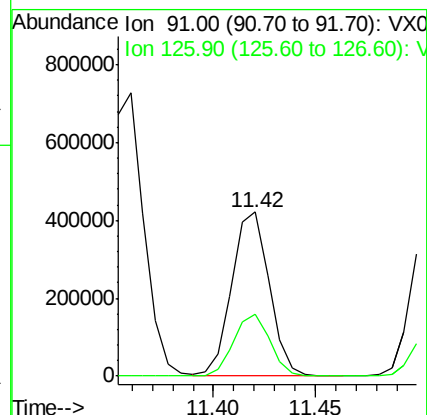
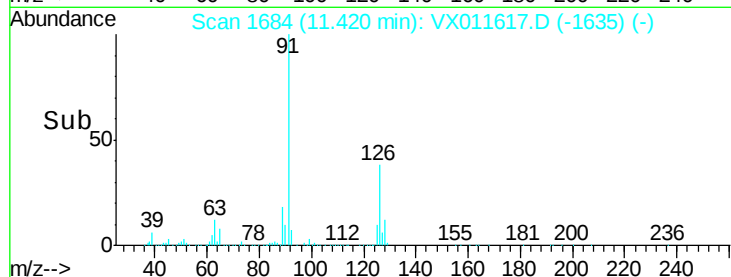
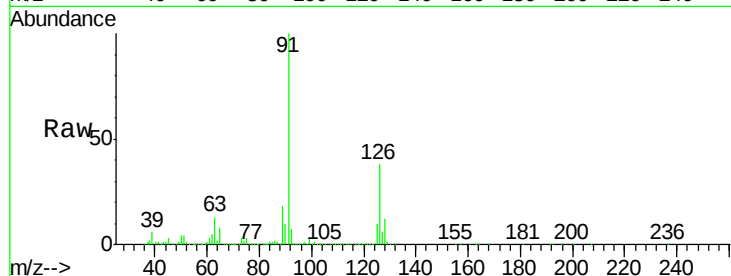
126 37.3 18.4 55.0

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#80

1,3,5-Trimethylbenzene

Concen: 52.537 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011617.D

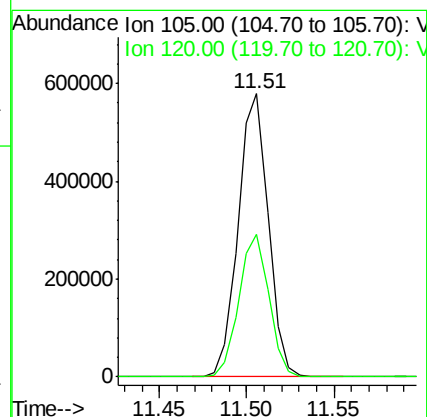
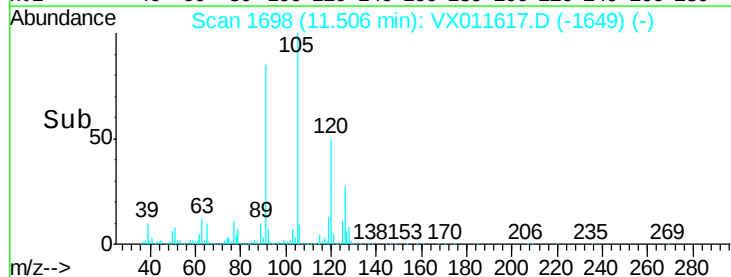
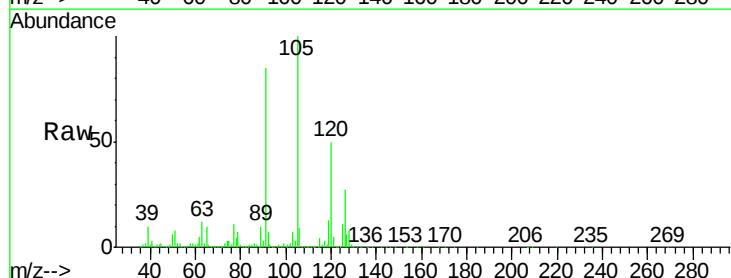
Acq: 17 Aug 2019 06:29

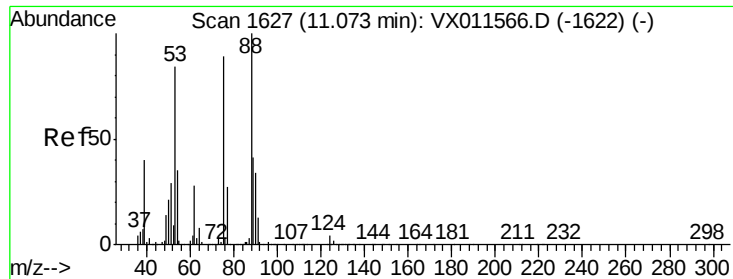
Tgt Ion: 105 Resp: 690580

Ion Ratio Lower Upper

105 100

120 50.3 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 40.623 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

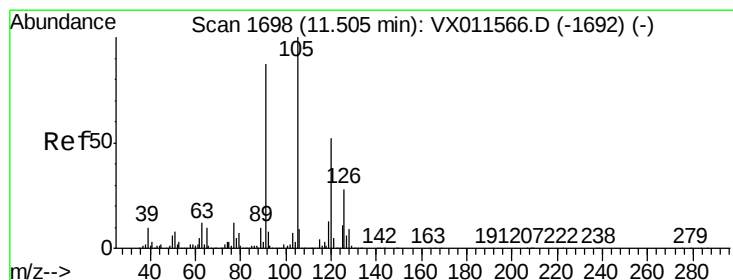
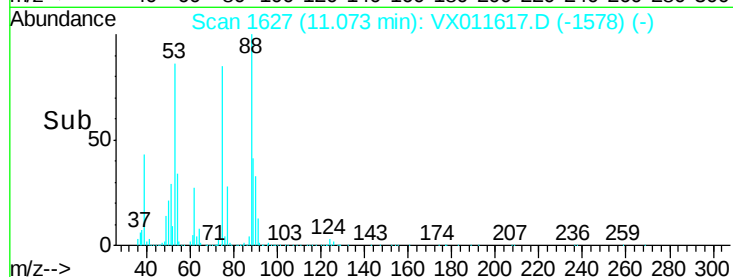
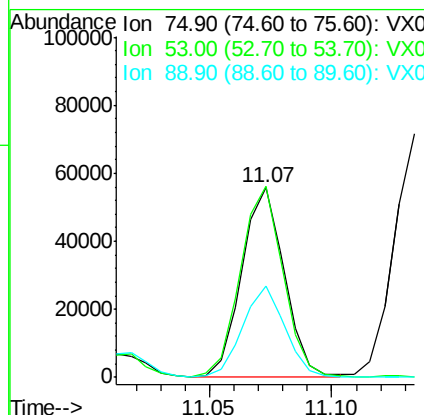
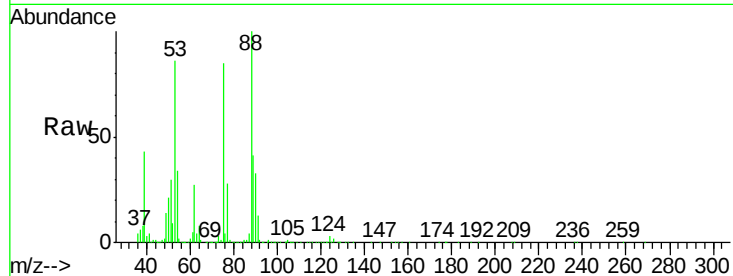
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	67012
Ion	Ratio	Lower	Upper
75	100		
53	101.2	77.4	116.0
89	48.5	37.3	55.9

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#82

4-Chlorotoluene

Concen: 51.706 ug/l

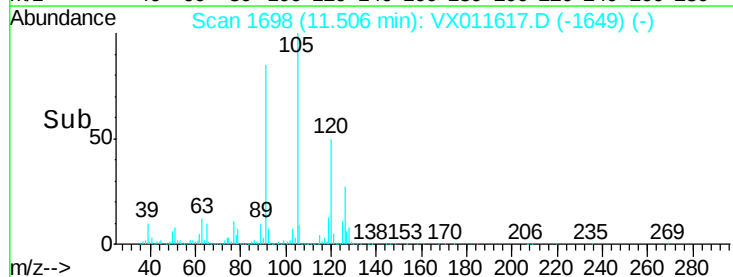
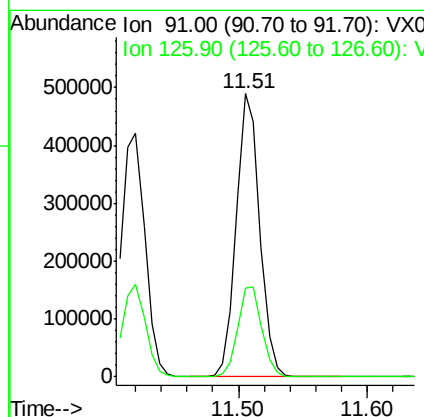
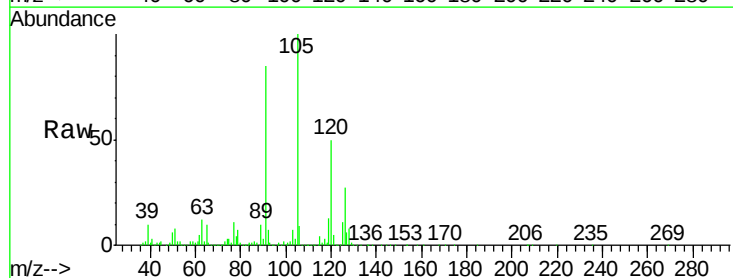
RT: 11.51 min Scan# 1698

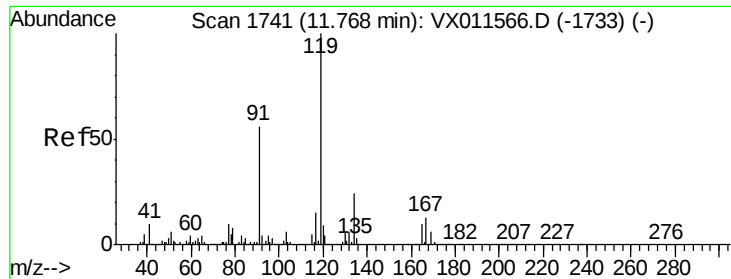
Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion:	91	Resp:	621517
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.1





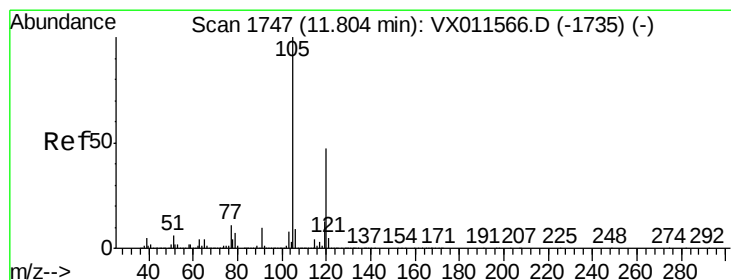
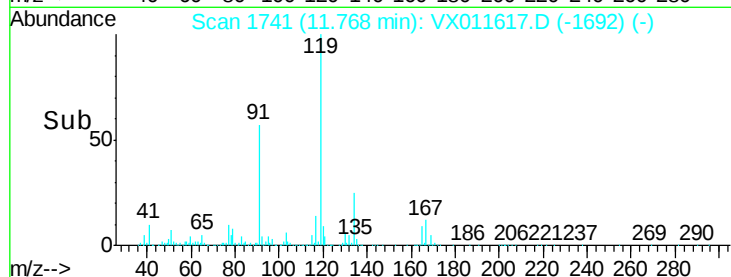
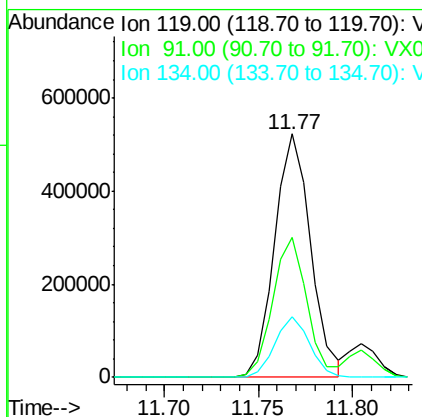
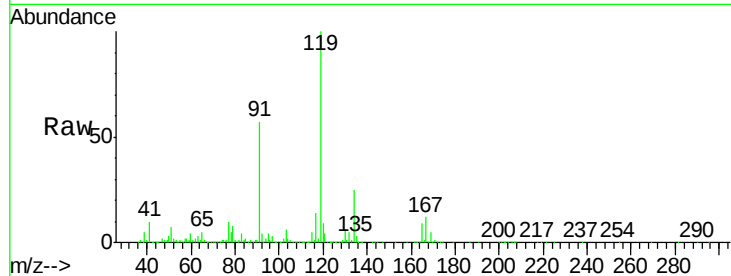
#83
 tert-Butylbenzene
 Concen: 51.822 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	693771		
91	54.7	27.1	81.3	
134	23.8	11.8	35.3	

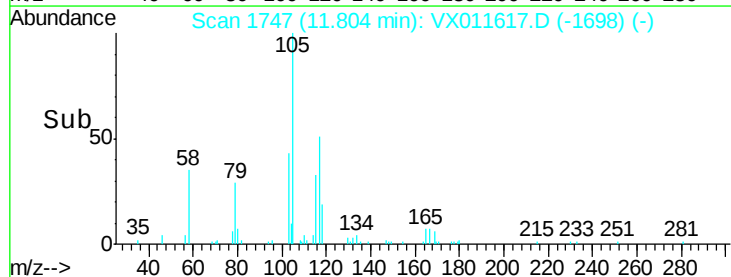
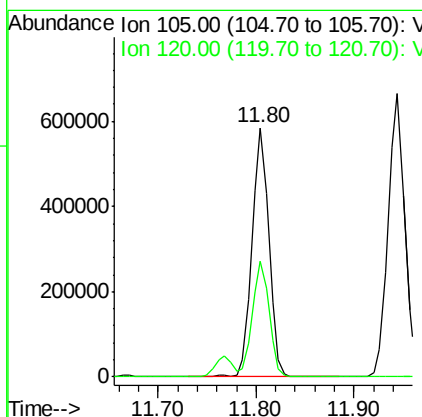
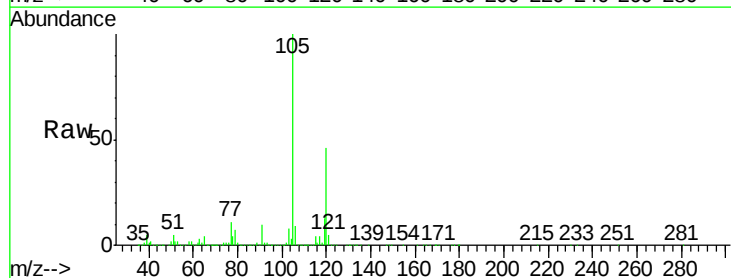
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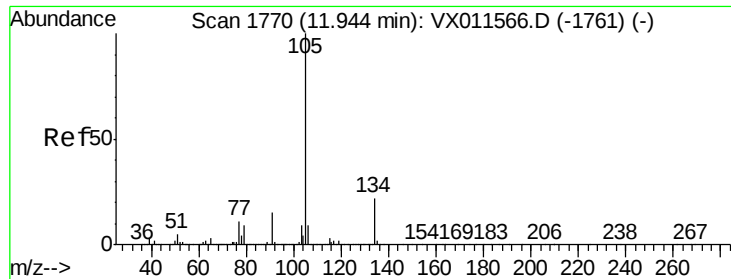
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.018 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	699633		
120	46.4	23.3	69.9	





#85

sec-Butylbenzene

Concen: 51.882 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 783635

Ion Ratio Lower Upper

105 100

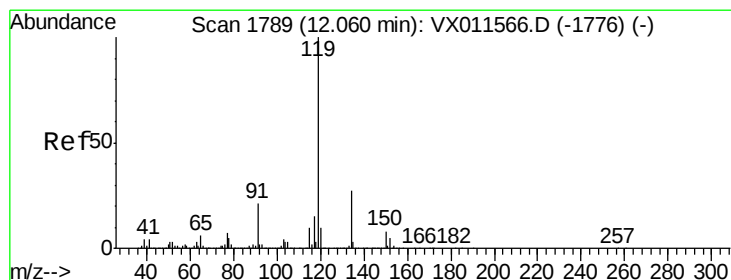
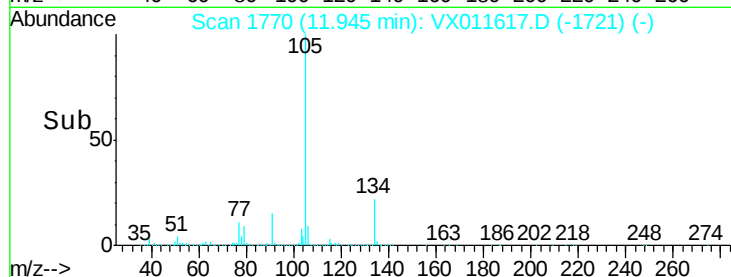
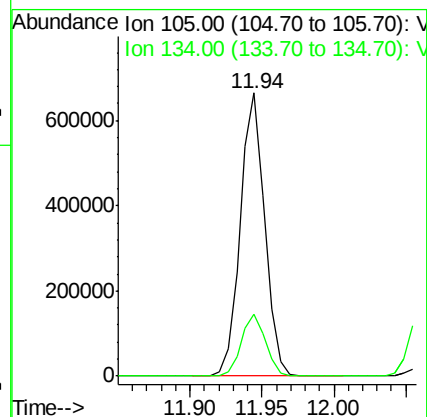
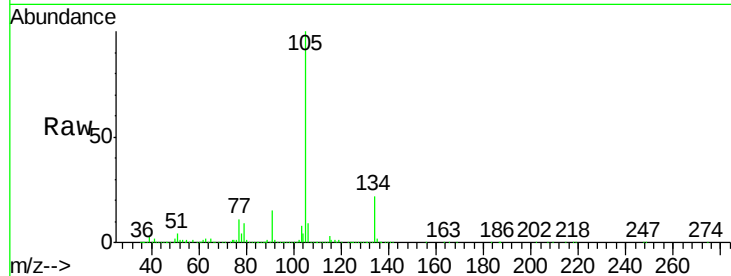
134 21.8 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 52.546 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

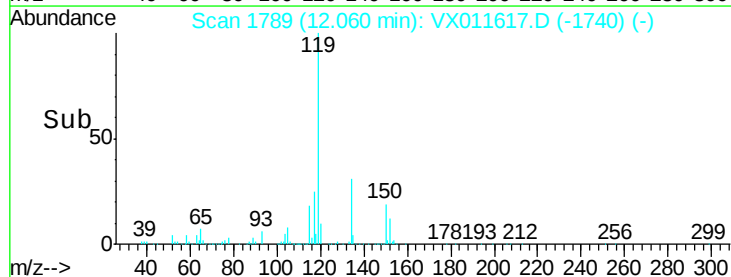
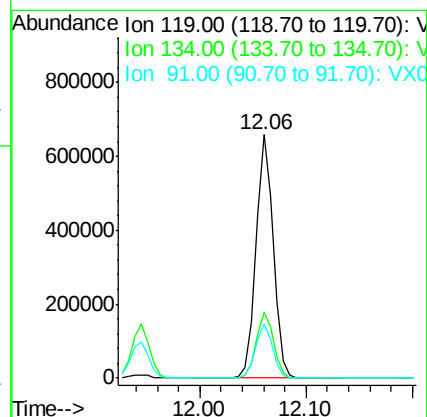
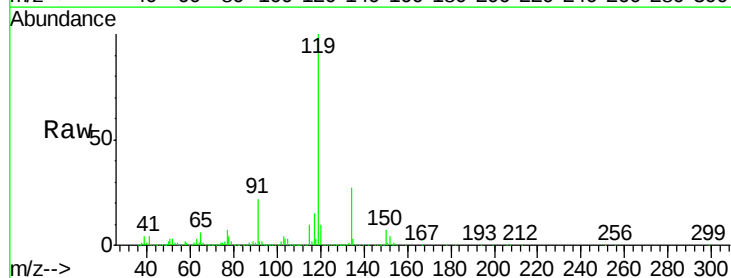
Tgt Ion:119 Resp: 746659

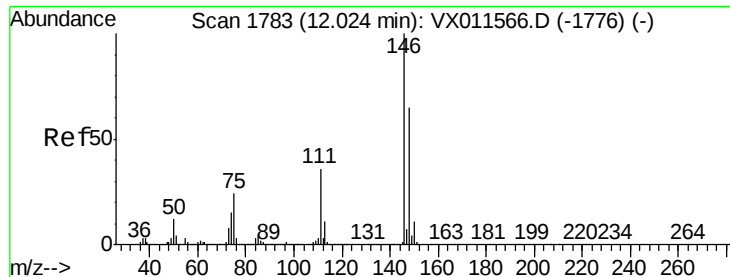
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 22.1 10.9 32.9





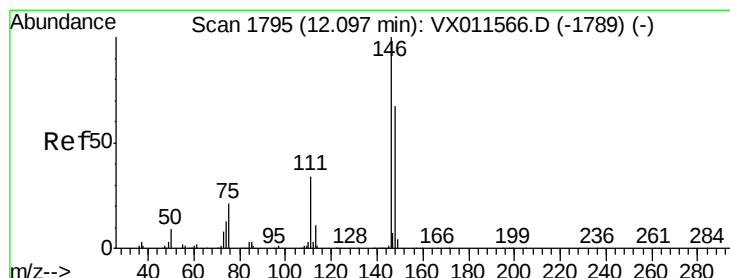
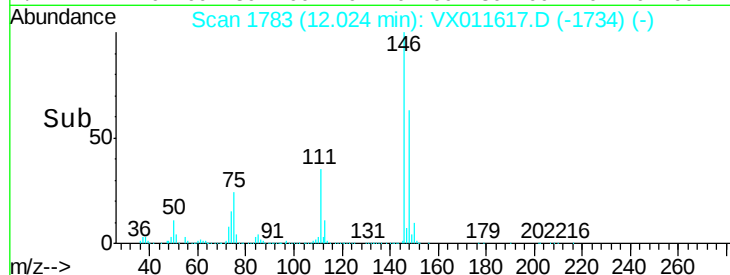
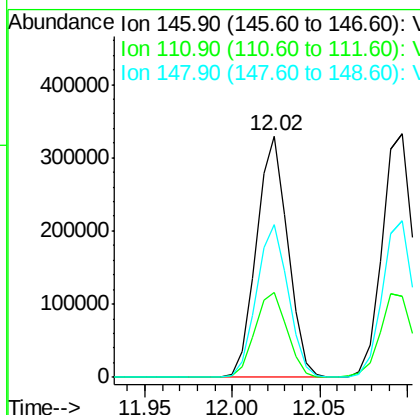
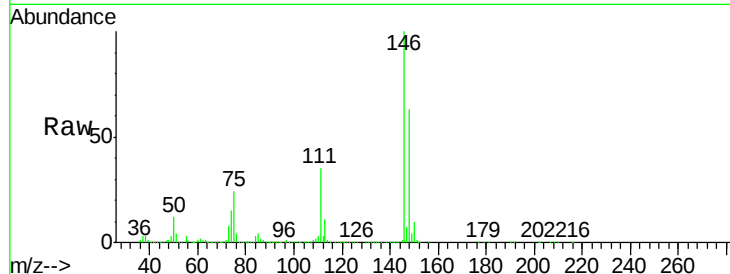
#87
 1,3-Dichlorobenzene
 Concen: 51.253 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	410126		
111	36.4	18.1	54.4	
148	64.1	32.0	96.0	

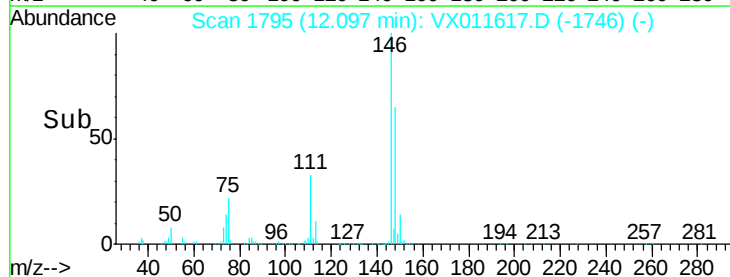
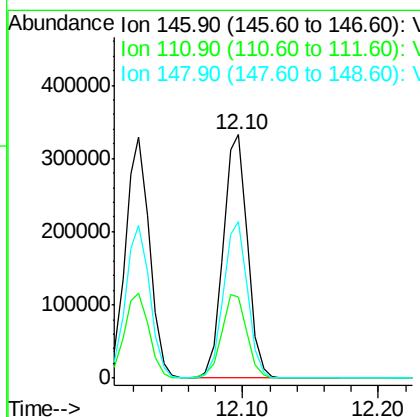
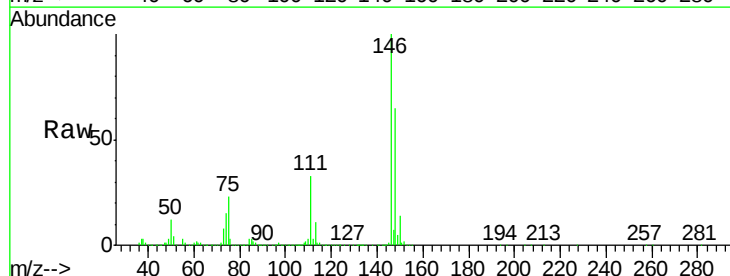
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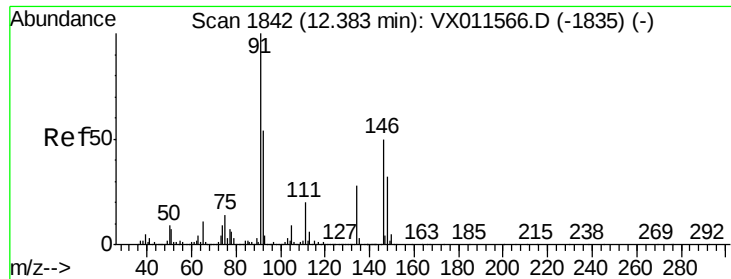
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#88
 1,4-Dichlorobenzene
 Concen: 50.434 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	409035		
111	35.4	17.9	53.7	
148	64.3	32.5	97.5	





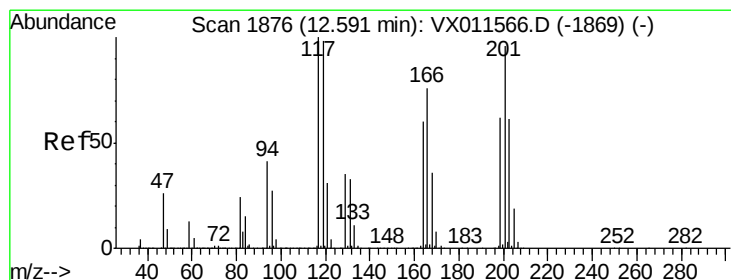
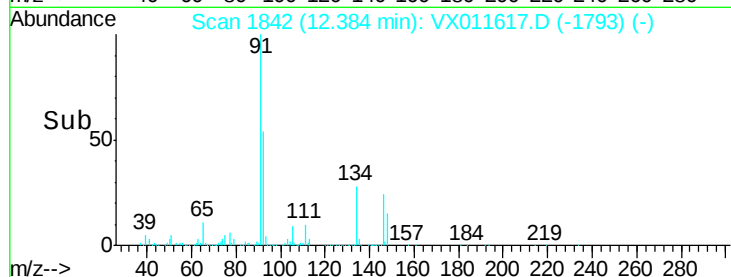
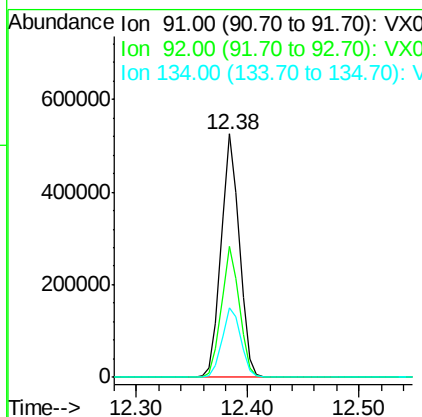
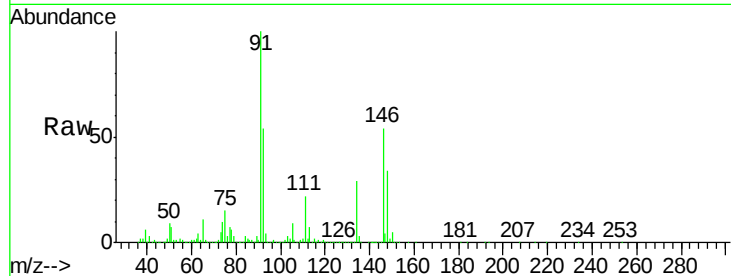
#89
n-Butylbenzene
Concen: 51.052 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	26.8	80.3	
134	29.4	14.6	44.0	

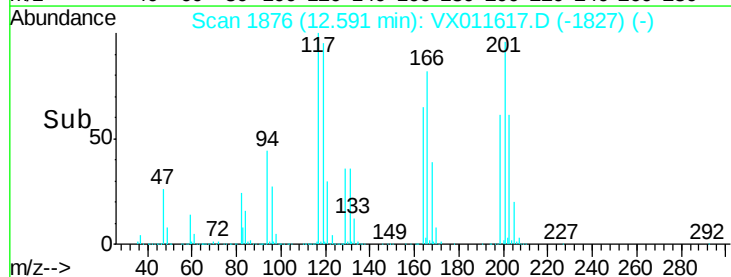
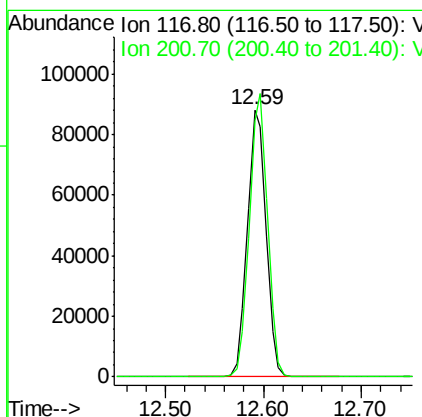
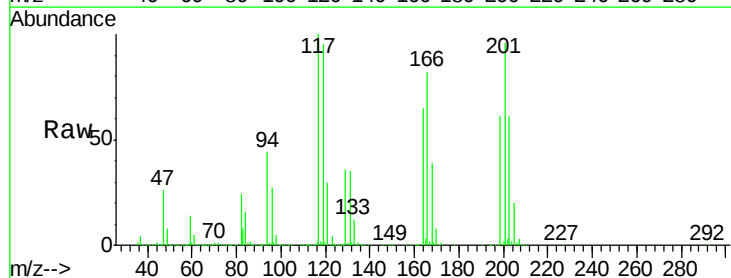
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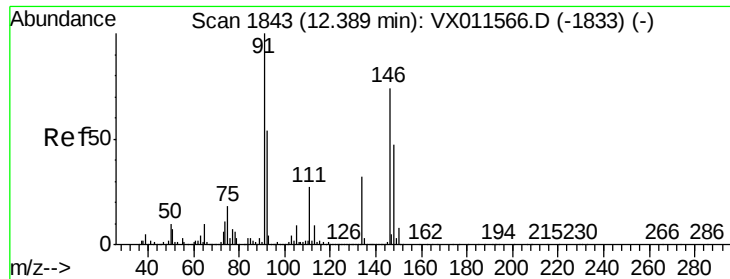
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#90
Hexachloroethane
Concen: 52.098 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	103.3	51.9	155.7	





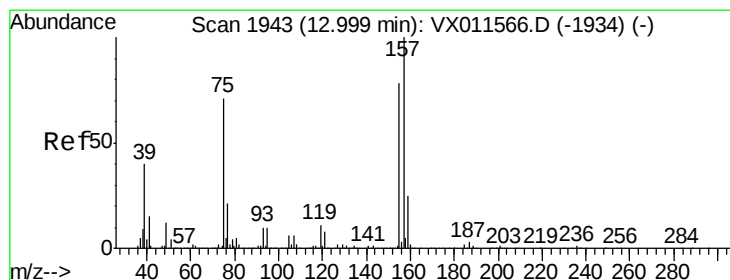
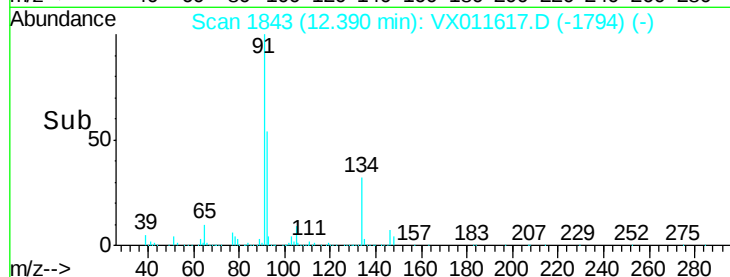
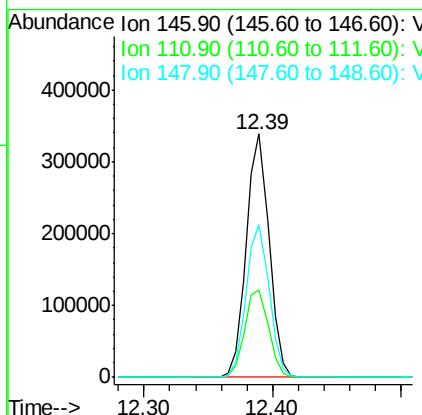
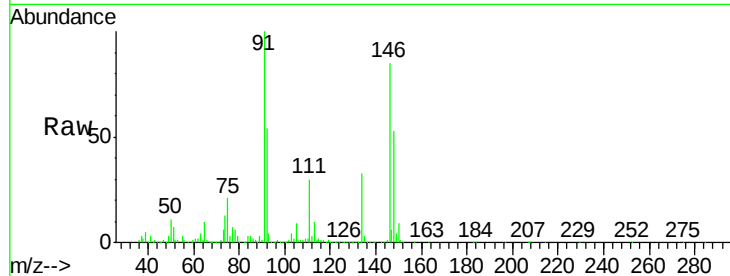
#91
 1,2-Dichlorobenzene
 Concen: 51.224 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	63.8	31.9	95.9

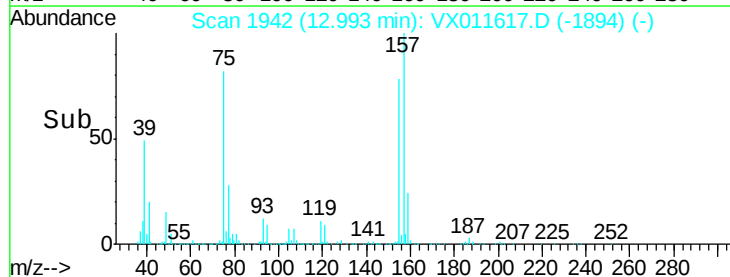
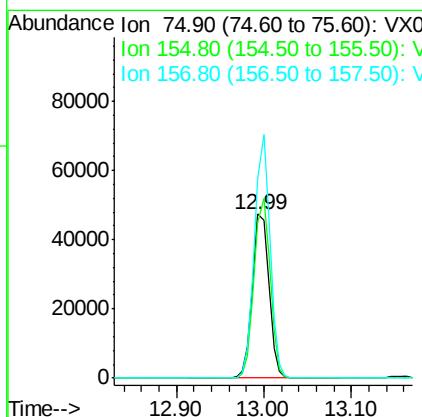
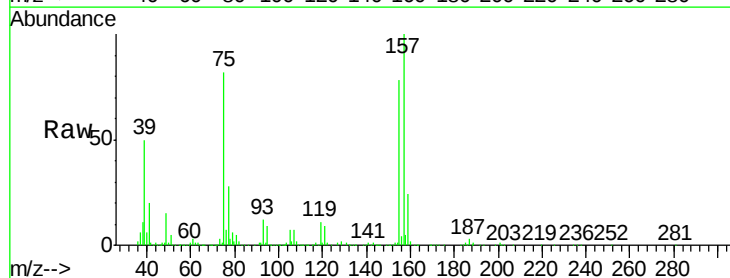
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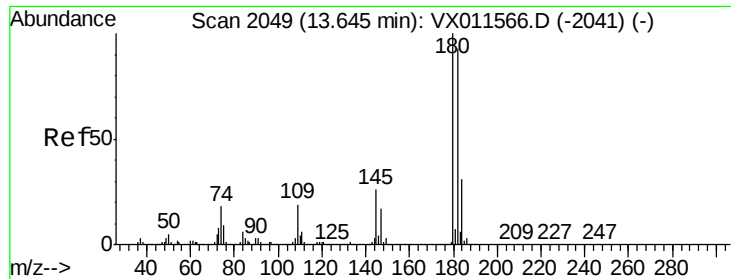
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.764 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011617.D
 Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	53.0	159.0
157	137.4	68.3	205.1





#93

1,2,4-Trichlorobenzene

Concen: 51.915 ug/l

RT: 13.64 min Scan# 2048

Delta R.T. -0.01 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Instrument :

MSVOA_X

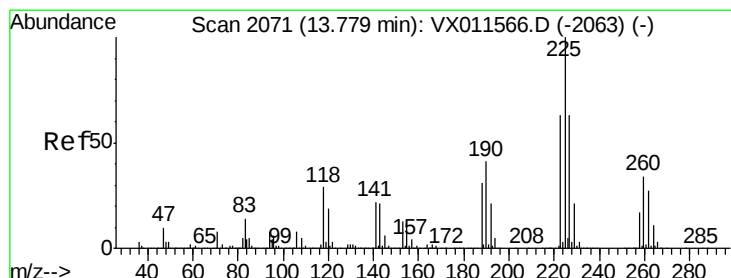
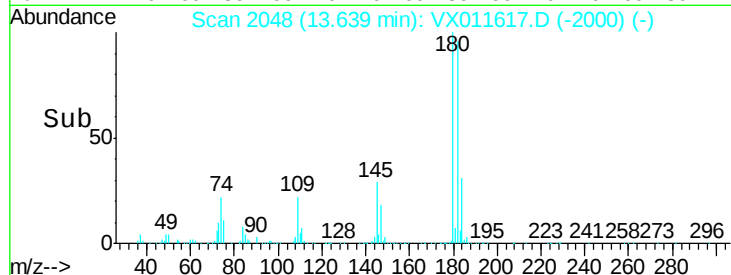
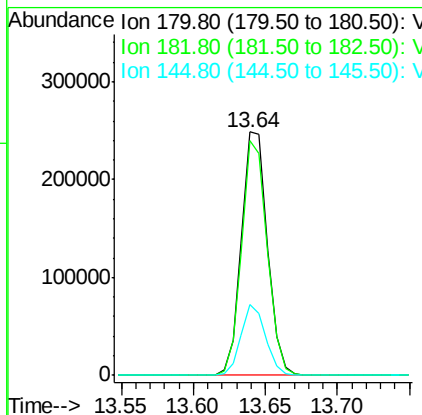
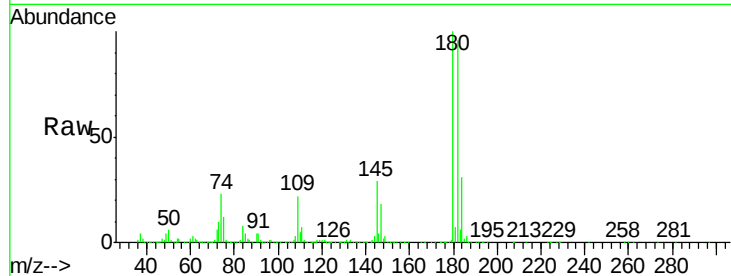
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	310719
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.3	142.0
145	27.7	13.6	40.8

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:29:07 AM



#94

Hexachlorobutadiene

Concen: 49.249 ug/l

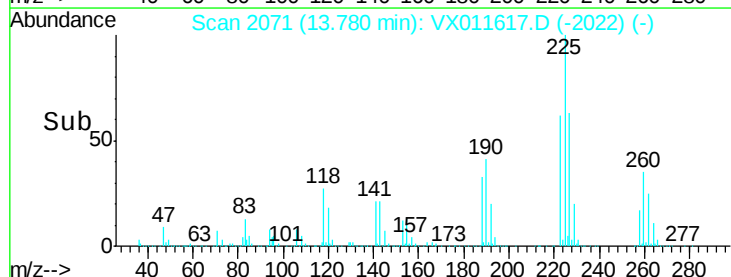
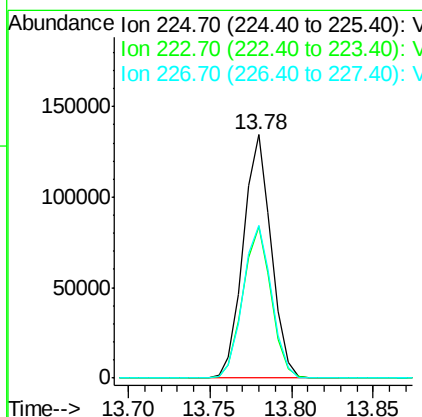
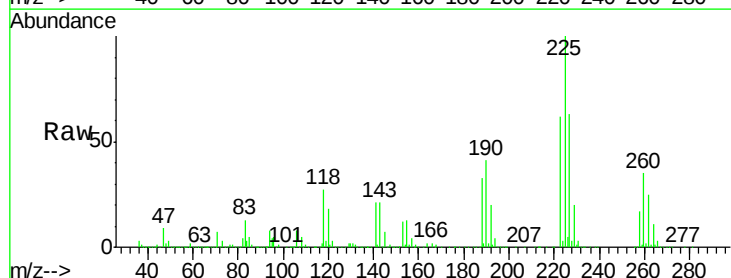
RT: 13.78 min Scan# 2071

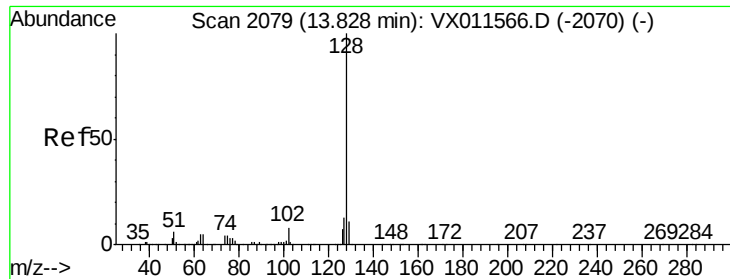
Delta R.T. 0.00 min

Lab File: VX011617.D

Acq: 17 Aug 2019 06:29

Tgt Ion:	225	Resp:	160504
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.4	94.0
227	64.3	31.2	93.6





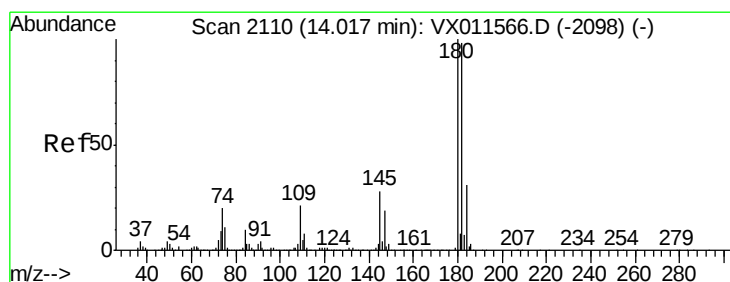
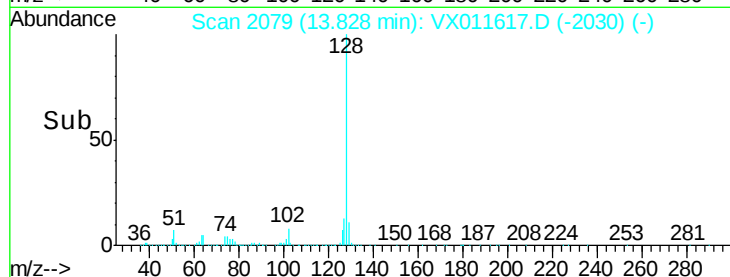
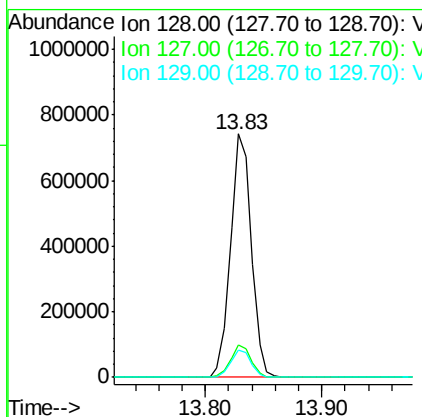
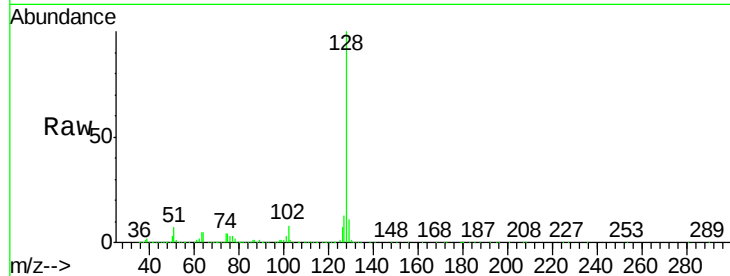
#95
Naphthalene
Concen: 54.583 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:29:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.527 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011617.D
Acq: 17 Aug 2019 06:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.0
145	28.8	14.6	43.8

