

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071219\
 Data File : VX010849.D
 Acq On : 12 Jul 2019 20:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 11:01:11 AM

Quant Time: Jul 13 04:51:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	244357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367860	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	103375	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
35) Dibromofluoromethane	5.50	113	99794	44.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.68%	
50) Toluene-d8	8.71	98	354053	41.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.24%	
62) 4-Bromofluorobenzene	11.13	95	136123	43.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	80346	47.295	ug/l	98
3) Chloromethane	1.32	50	81963	41.433	ug/l	99
4) Vinyl Chloride	1.41	62	91354	42.162	ug/l	99
5) Bromomethane	1.64	94	48675	46.112	ug/l	98
6) Chloroethane	1.71	64	60124	47.033	ug/l	97
7) Trichlorofluoromethane	1.92	101	161222	46.938	ug/l	99
8) Diethyl Ether	2.19	74	56210	45.634	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	90377	43.420	ug/l	99
10) Methyl Iodide	2.51	142	101152	34.051	ug/l	96
11) Tert butyl alcohol	3.05	59	121162	202.104	ug/l	97
12) 1,1-Dichloroethene	2.37	96	91361	43.135	ug/l	98
13) Acrolein	2.29	56	91365	229.736	ug/l	100
14) Allyl chloride	2.73	41	134519	44.735	ug/l	96
15) Acrylonitrile	3.14	53	271065	228.371	ug/l	100
16) Acetone	2.45	43	221563	192.961	ug/l	94
17) Carbon Disulfide	2.57	76	215280	37.886	ug/l	99
18) Methyl Acetate	2.78	43	104909	45.842	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	301552	45.257	ug/l	100
20) Methylene Chloride	2.85	84	104417	44.189	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	96034	42.158	ug/l	98
22) Diisopropyl ether	3.85	45	288079	45.822	ug/l	98
23) Vinyl Acetate	3.82	43	1278066	235.317	ug/l	99
24) 1,1-Dichloroethane	3.70	63	164460	45.255	ug/l	100
25) 2-Butanone	4.67	43	372683	221.269	ug/l	98
26) 2,2-Dichloropropane	4.58	77	123983	39.274	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	113350	43.060	ug/l	98
28) Bromochloromethane	5.01	49	72512	41.733	ug/l	94
29) Tetrahydrofuran	5.13	42	237775	227.914	ug/l	98
30) Chloroform	5.21	83	176458	45.129	ug/l	100
31) Cyclohexane	5.58	56	143916	43.488	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	152199	44.083	ug/l	98
36) 1,1-Dichloropropene	5.80	75	126159	43.158	ug/l	98
37) Ethyl Acetate	4.84	43	139484	46.382	ug/l	98
38) Carbon Tetrachloride	5.79	117	134072	42.355	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	158772	41.320	ug/l	98
40) Benzene	6.14	78	391509	42.989	ug/l	99
41) Methacrylonitrile	5.04	41	75199	45.574	ug/l	97
42) 1,2-Dichloroethane	6.20	62	133920	48.307	ug/l	98
43) Isopropyl Acetate	6.45	43	226109	45.444	ug/l	98
44) Trichloroethene	7.21	130	113364	41.600	ug/l	99
45) 1,2-Dichloropropane	7.51	63	100233	43.583	ug/l	99
46) Dibromomethane	7.66	93	72629	44.016	ug/l	95
47) Bromodichloromethane	7.90	83	131581	43.513	ug/l	100
48) Methyl methacrylate	7.77	41	109016	47.138	ug/l	97
49) 1,4-Dioxane	7.74	88	60170	903.148	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	752930	236.611	ug/l	98
52) Toluene	8.78	92	256622	42.789	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	142467	42.022	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	157741	42.815	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	108908	44.030	ug/l	99
56) Ethyl methacrylate	9.18	69	166848	44.529	ug/l	95
57) 1,3-Dichloropropane	9.37	76	172269	44.867	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	347311	195.169	ug/l	99
59) 2-Hexanone	9.49	43	586848	234.321	ug/l	96
60) Dibromochloromethane	9.58	129	116470	42.055	ug/l	98
61) 1,2-Dibromoethane	9.67	107	117609	44.051	ug/l	100
64) Tetrachloroethene	9.34	164	107674	39.049	ug/l	98
65) Chlorobenzene	10.13	112	289540	41.834	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	108747	43.135	ug/l	99
67) Ethyl Benzene	10.25	91	505738	43.283	ug/l	99
68) m/p-Xylenes	10.36	106	389006	85.922	ug/l	97
69) o-Xylene	10.69	106	190979	42.894	ug/l	98
70) Styrene	10.71	104	329724	44.159	ug/l	98
71) Bromoform	10.85	173	89198	40.686	ug/l #	100
73) Isopropylbenzene	11.02	105	513923	42.630	ug/l	98
74) N-amyl acetate	10.90	43	213451	46.851	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	174905	43.809	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	141721m	43.731	ug/l	
77) Bromobenzene	11.26	156	138446	41.128	ug/l	97
78) n-propylbenzene	11.36	91	575815	43.460	ug/l	99
79) 2-Chlorotoluene	11.42	91	341135	43.238	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	435581	43.829	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	48890	35.195	ug/l	90
82) 4-Chlorotoluene	11.51	91	399508	44.500	ug/l	98
83) tert-Butylbenzene	11.77	119	429278	43.036	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	440046	44.072	ug/l	98
85) sec-Butylbenzene	11.94	105	508251	43.397	ug/l	99
86) p-Isopropyltoluene	12.06	119	470599	43.441	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	246400	41.934	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	250071	41.804	ug/l	99
89) n-Butylbenzene	12.38	91	400066	43.460	ug/l	99
90) Hexachloroethane	12.60	117	73076	39.012	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	243812	41.749	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36490	42.392	ug/l	90

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VSTDCCC050EC

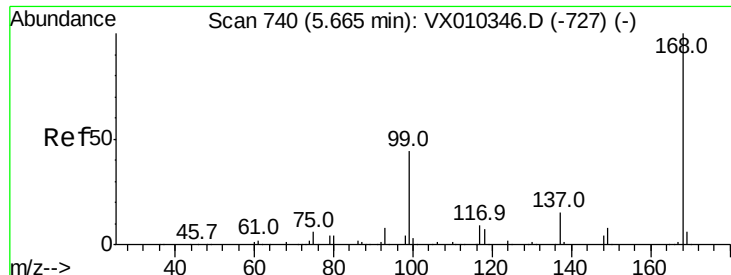
Manual Integrations
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QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	169465	41.844	ug/l	100
94) Hexachlorobutadiene	13.78	225	81886	41.371	ug/l	99
95) Naphthalene	13.83	128	528685	42.480	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	169802	42.170	ug/l	100

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



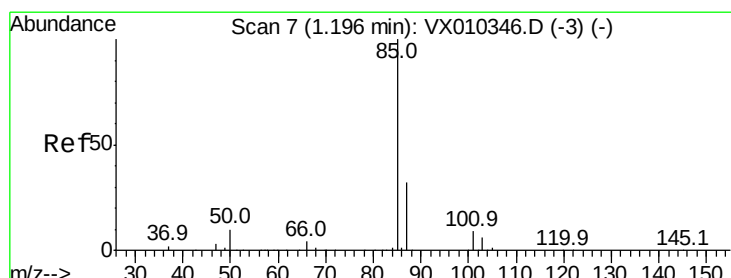
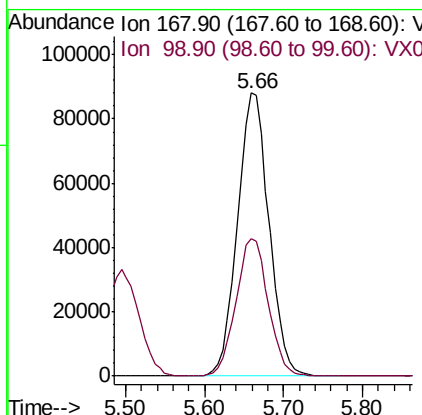
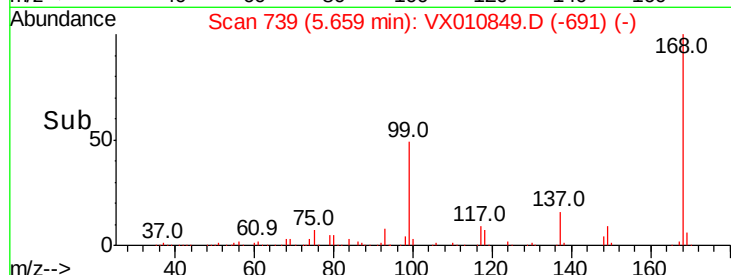
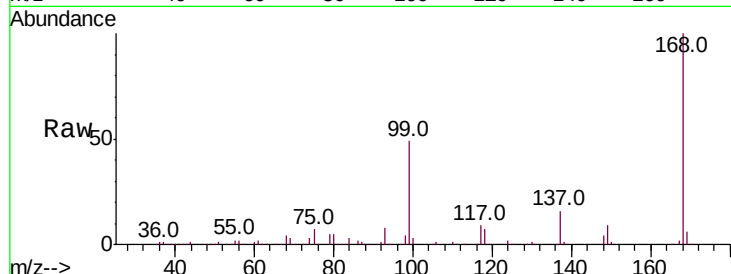
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.5	35.5	53.3

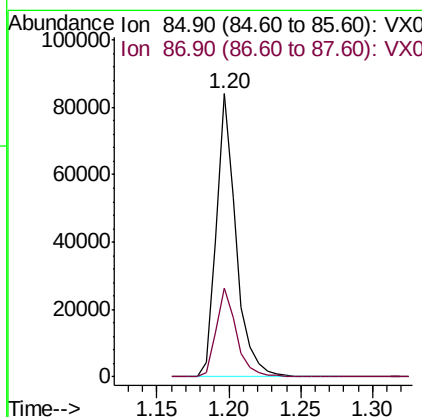
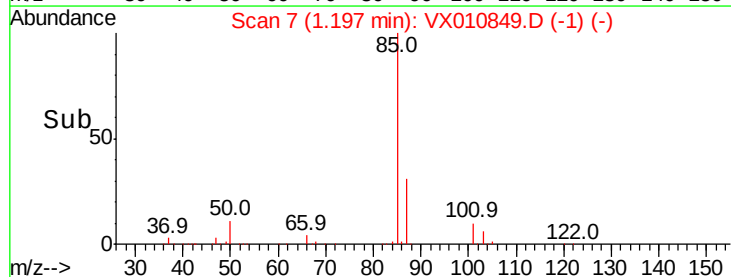
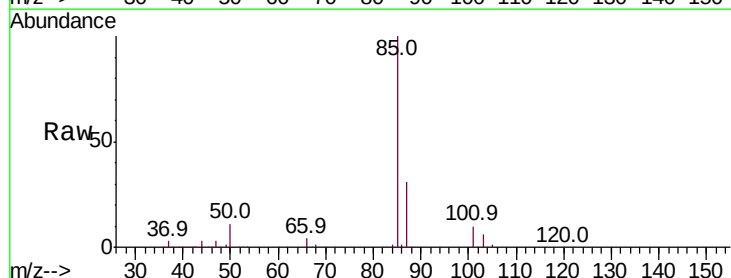
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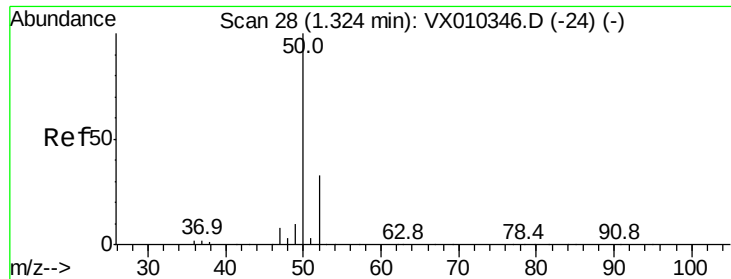
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#2
Dichlorodifluoromethane
Concen: 47.295 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.3	48.8





#3

Chloromethane

Concen: 41.433 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 81963

Ion Ratio Lower Upper

50 100

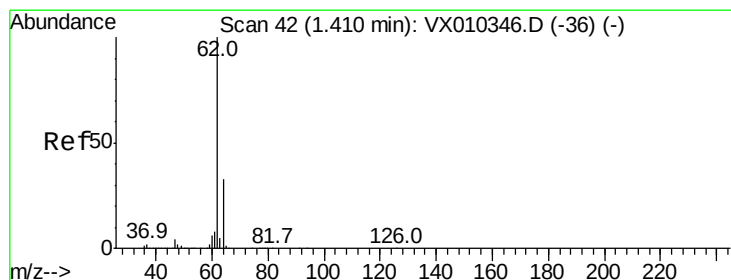
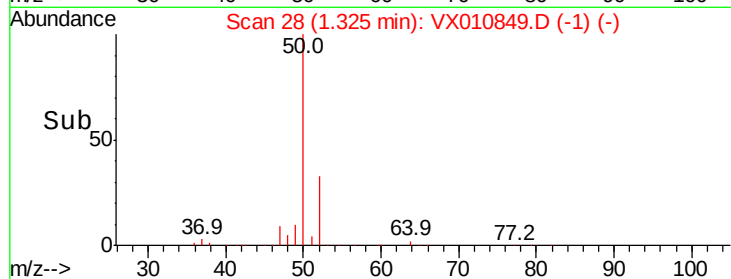
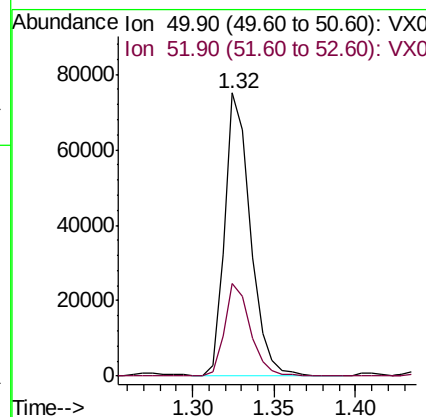
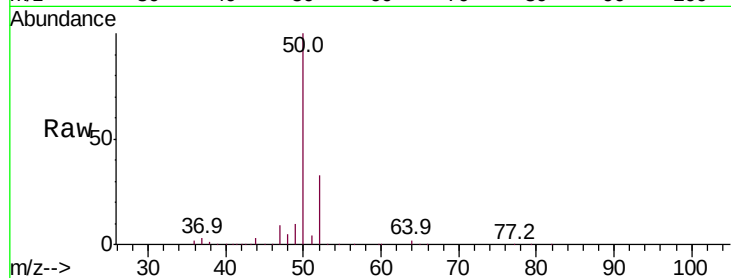
52 32.6 26.5 39.7

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#4

Vinyl Chloride

Concen: 42.162 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010849.D

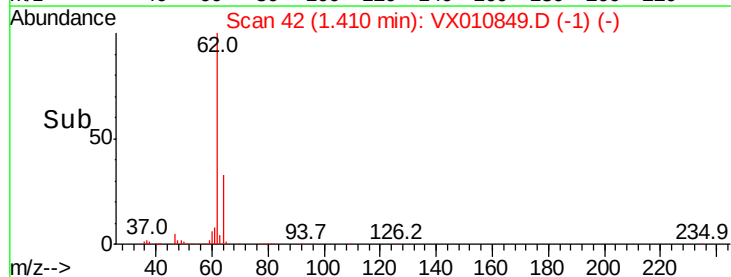
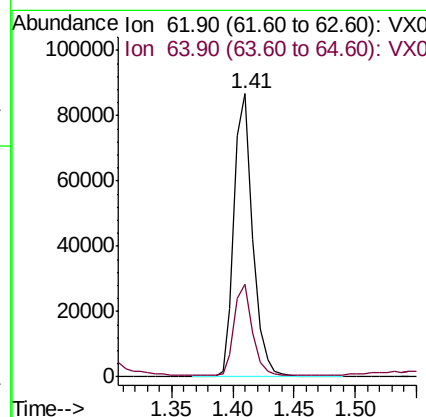
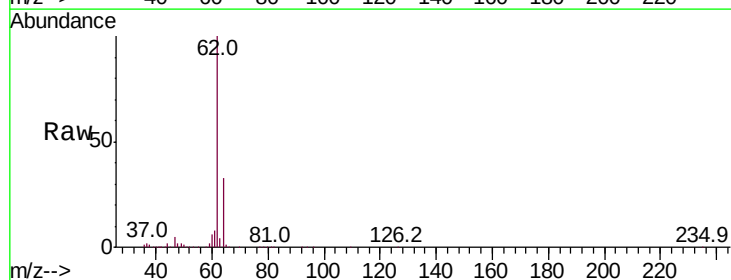
Acq: 12 Jul 2019 20:19

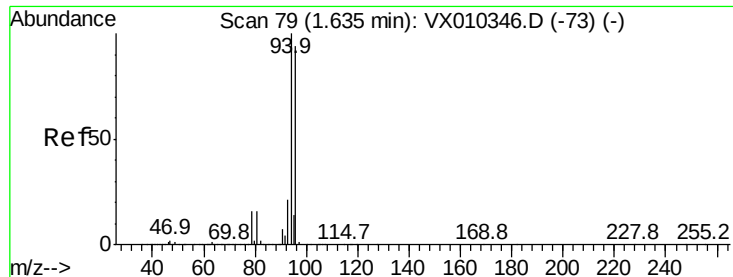
Tgt Ion: 62 Resp: 91354

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4





#5

Bromomethane

Concen: 46.112 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48675

Ion Ratio Lower Upper

94 100

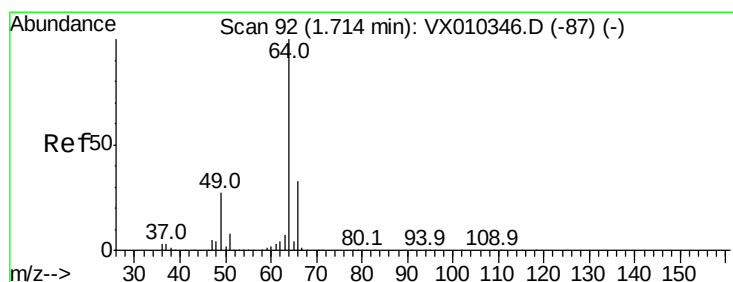
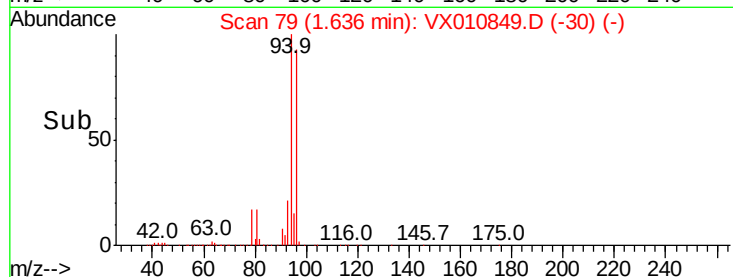
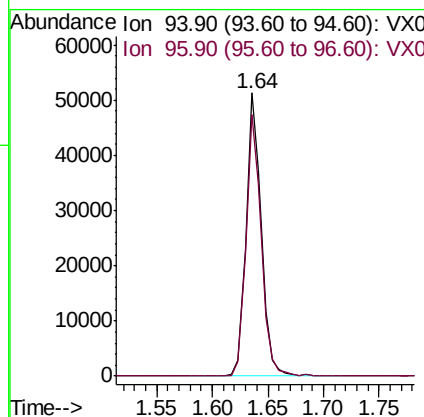
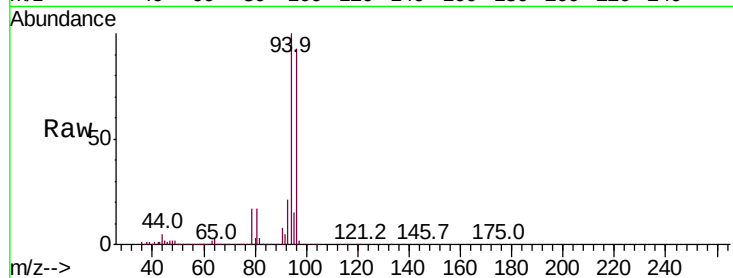
96 92.5 75.5 113.3

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#6

Chloroethane

Concen: 47.033 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010849.D

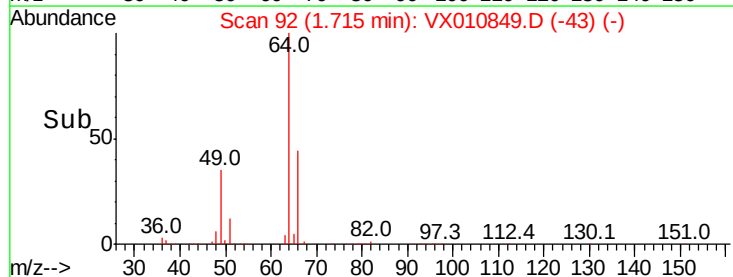
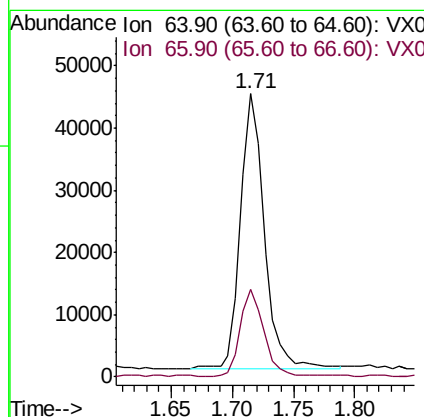
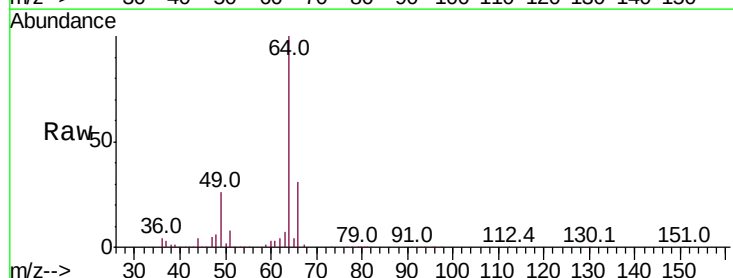
Acq: 12 Jul 2019 20:19

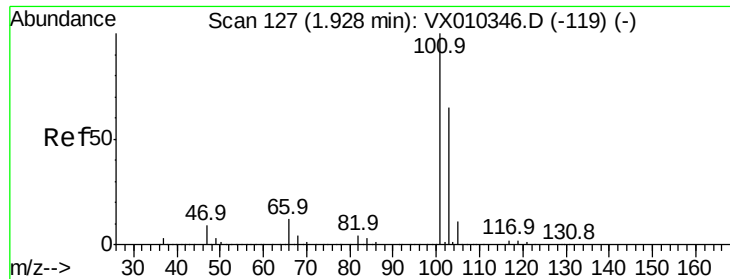
Tgt Ion: 64 Resp: 60124

Ion Ratio Lower Upper

64 100

66 31.4 26.6 40.0





#7

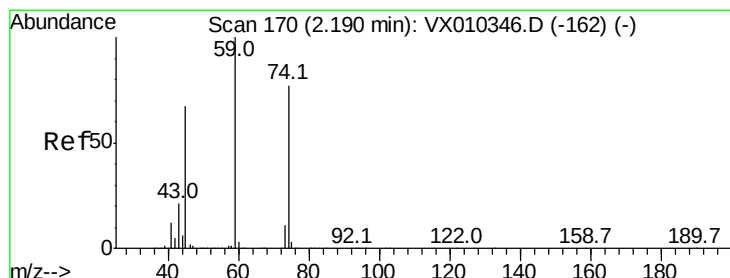
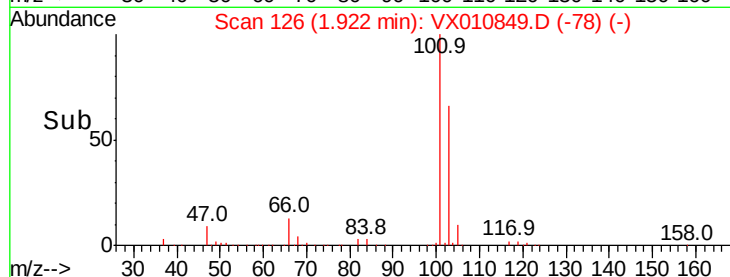
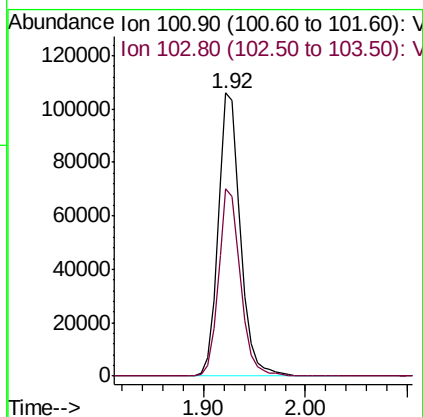
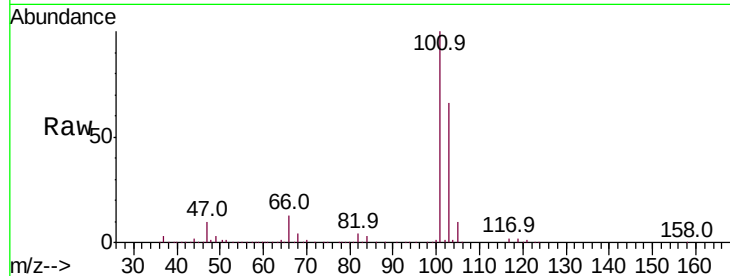
Trichlorofluoromethane
 Concen: 46.938 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.3	78.5

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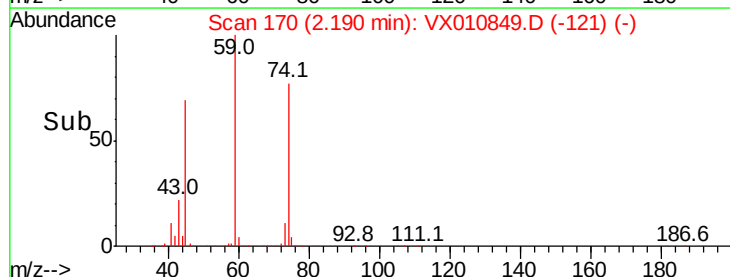
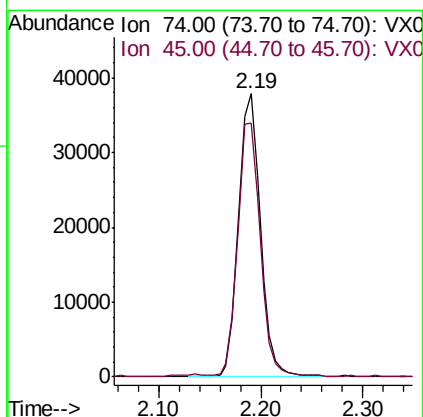
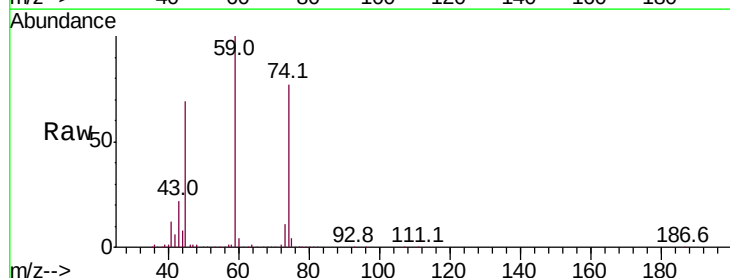
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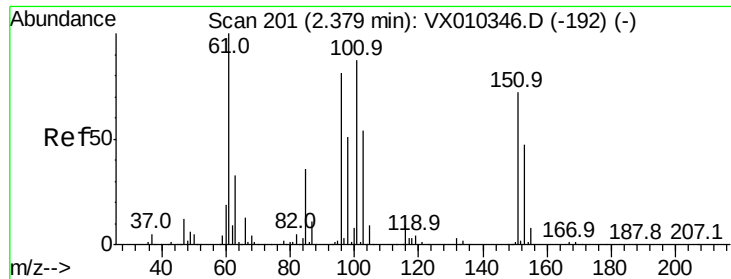


#8

Diethyl Ether
 Concen: 45.634 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.1	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.420 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

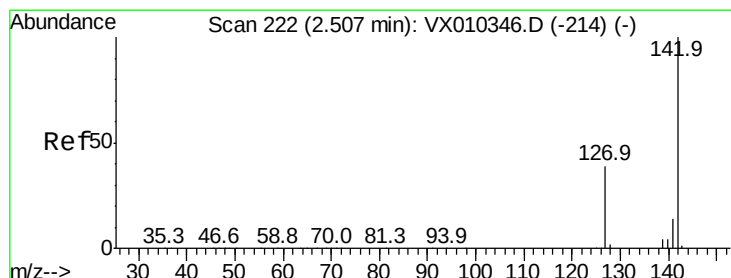
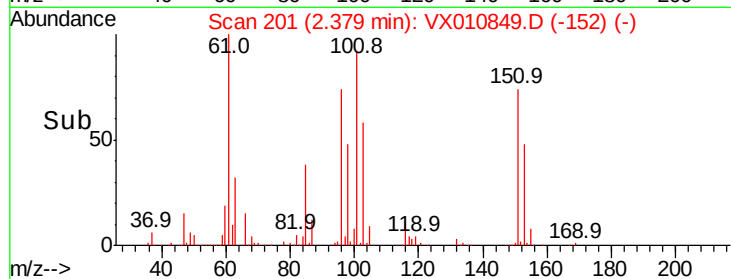
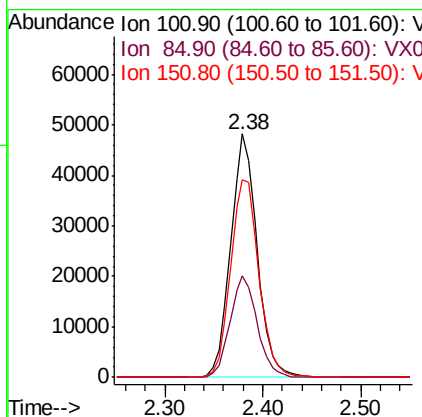
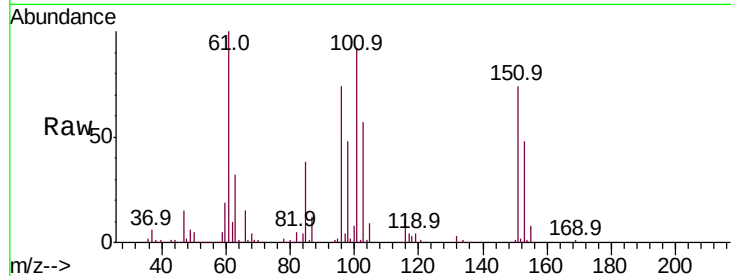
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	90377
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.7	50.5
151	86.7	70.1	105.1

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#10

Methyl Iodide

Concen: 34.051 ug/l

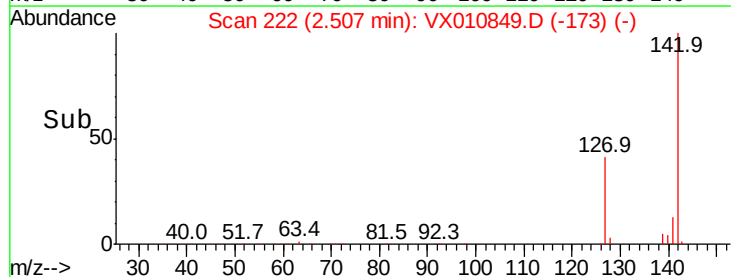
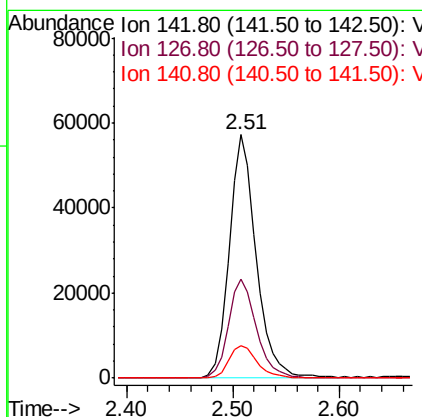
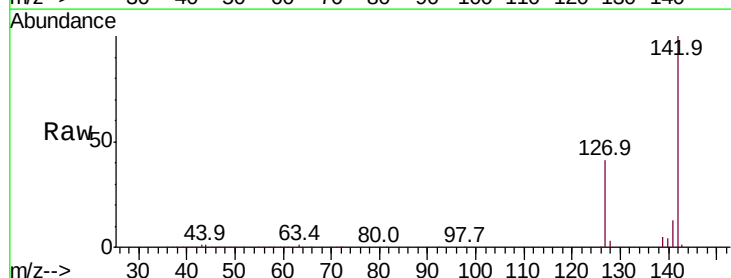
RT: 2.51 min Scan# 222

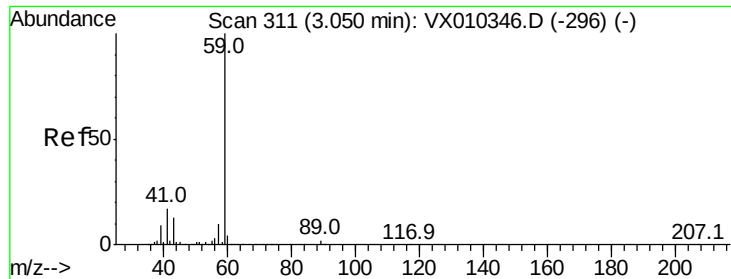
Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion:	142	Resp:	101152
Ion Ratio	Lower	Upper	
142	100		
127	42.2	31.1	46.7
141	14.1	11.2	16.8





#11

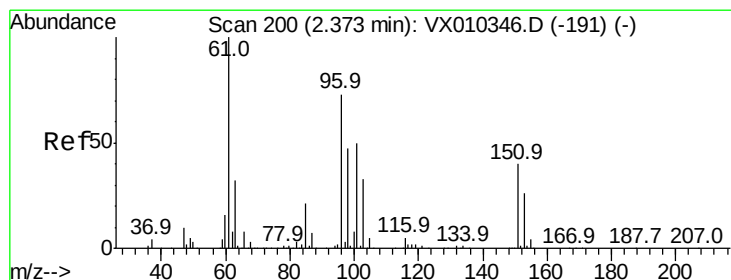
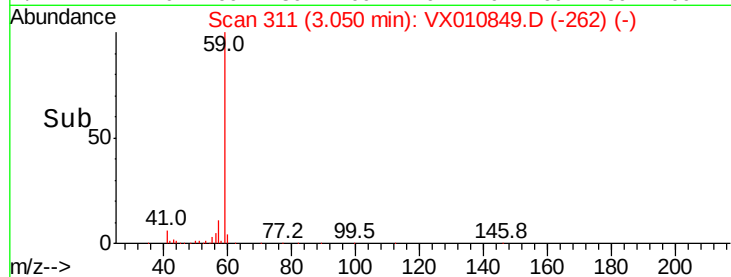
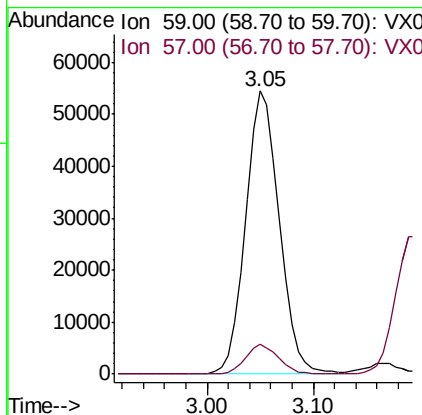
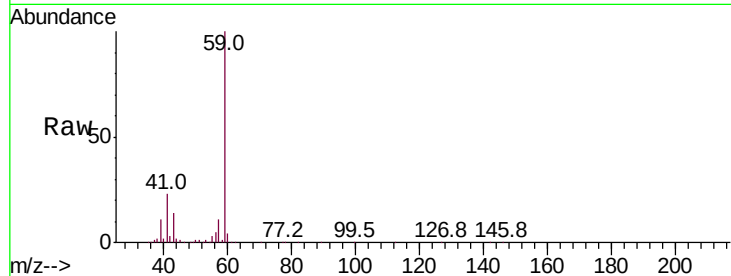
Tert butyl alcohol
Concen: 202.104 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.7	11.5

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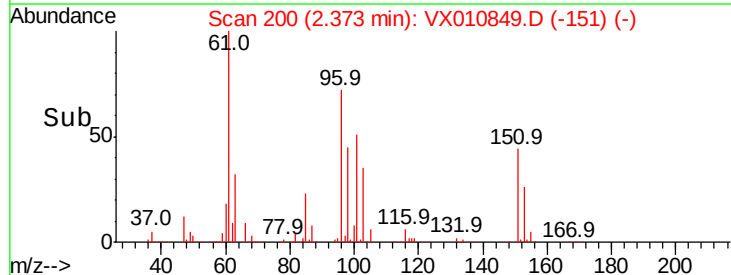
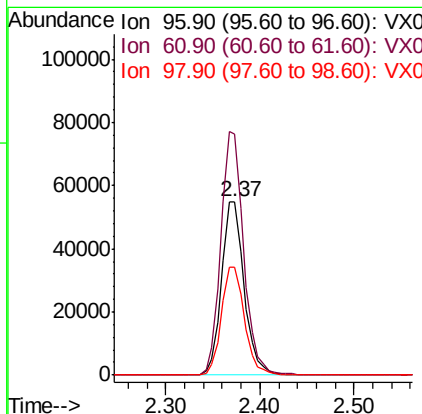
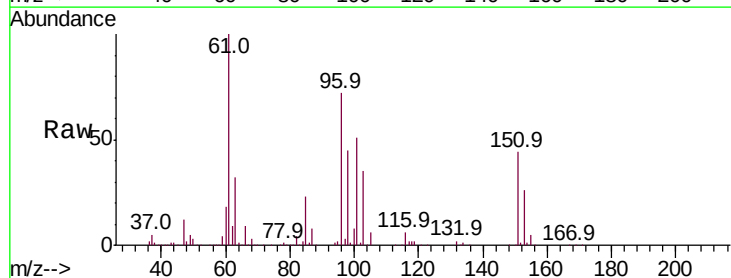
MMDadoda
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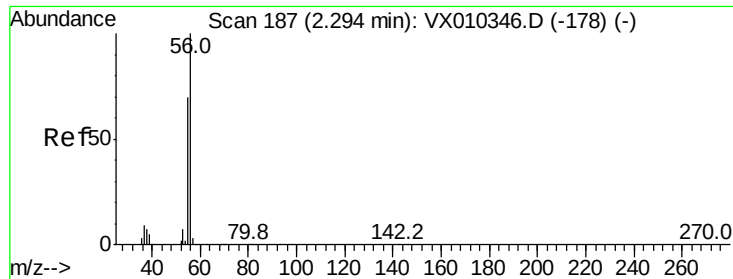


#12

1,1-Dichloroethene
Concen: 43.135 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.1	109.2	163.8
98	62.2	51.1	76.7





#13

Acrolein

Concen: 229.736 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 91365

Ion Ratio Lower Upper

56 100

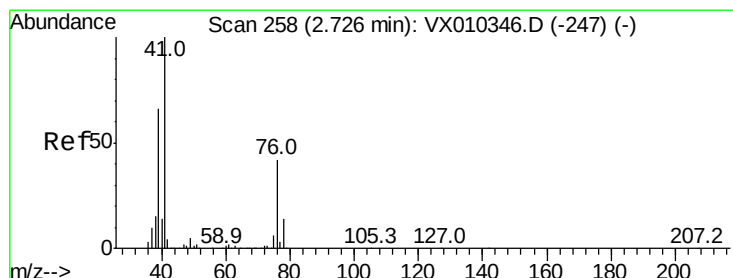
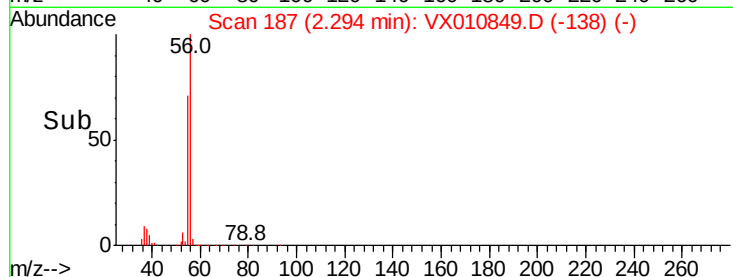
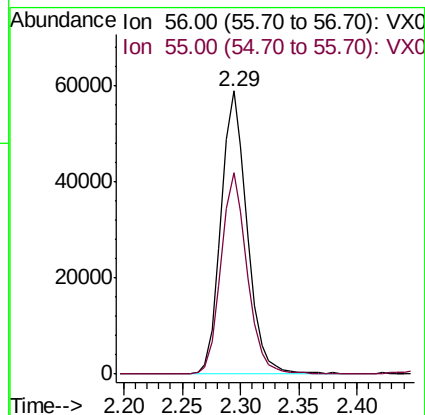
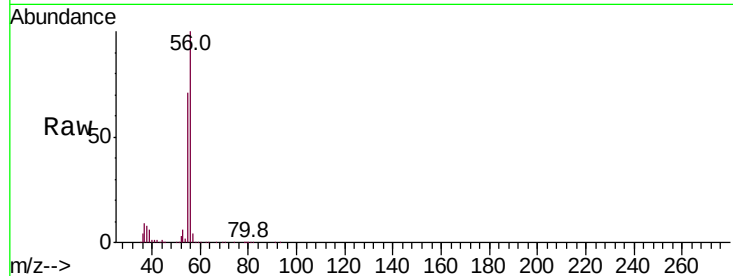
55 71.5 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 44.735 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

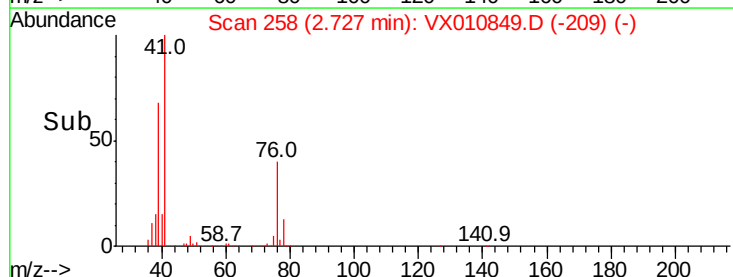
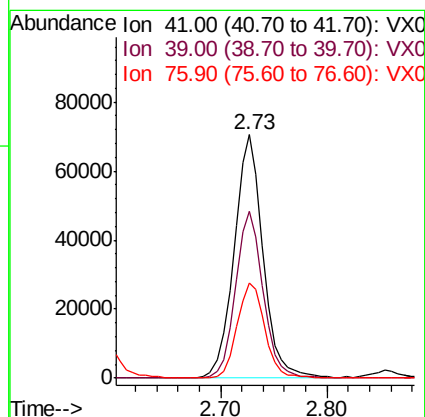
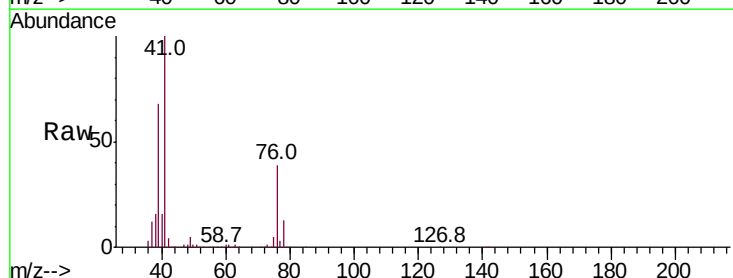
Tgt Ion: 41 Resp: 134519

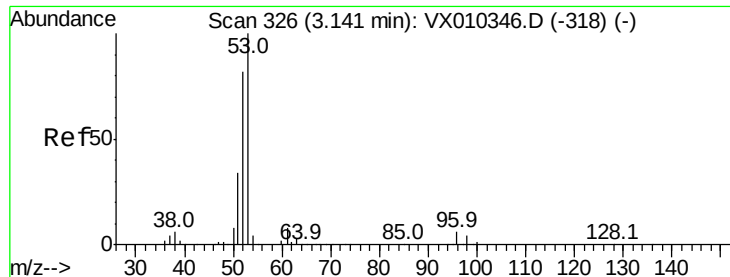
Ion Ratio Lower Upper

41 100

39 65.8 50.3 75.5

76 37.2 31.3 46.9





#15

Acrylonitrile

Concen: 228.371 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

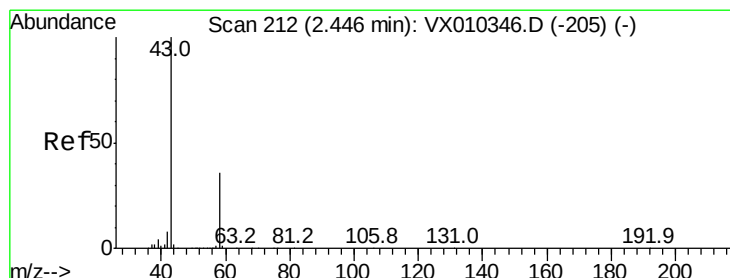
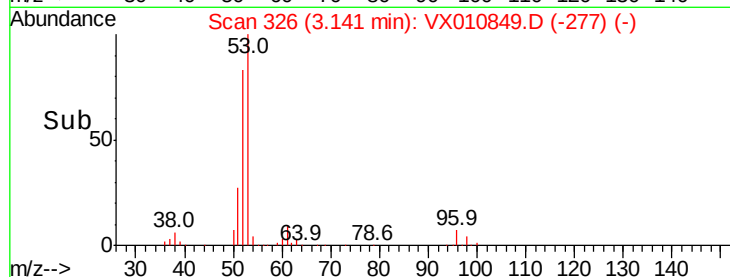
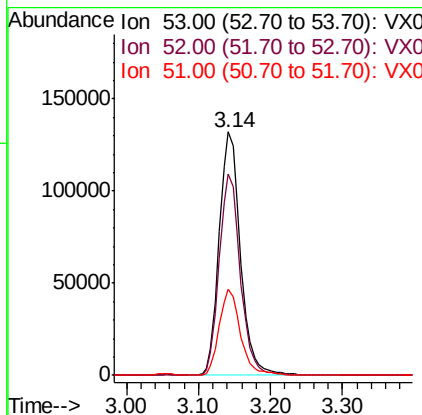
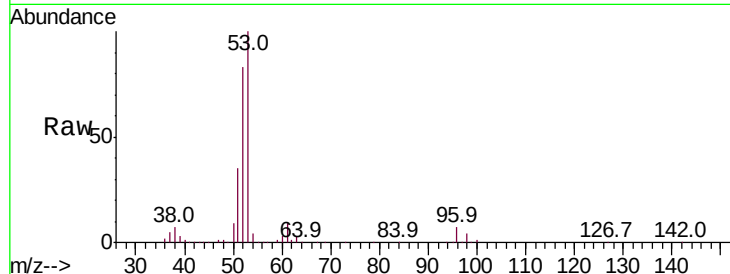
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.5	98.3
51	35.7	28.2	42.4

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#16

Acetone

Concen: 192.961 ug/l

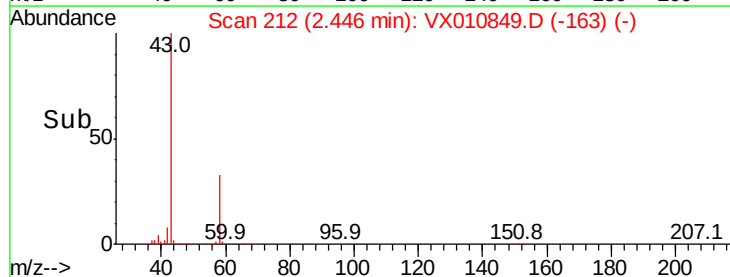
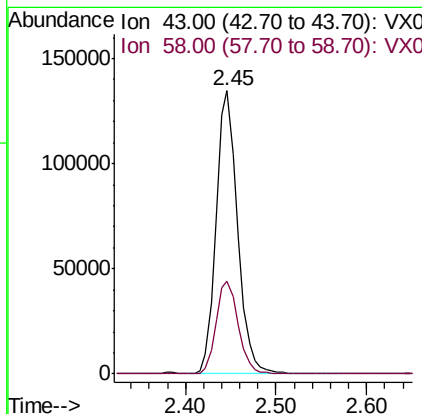
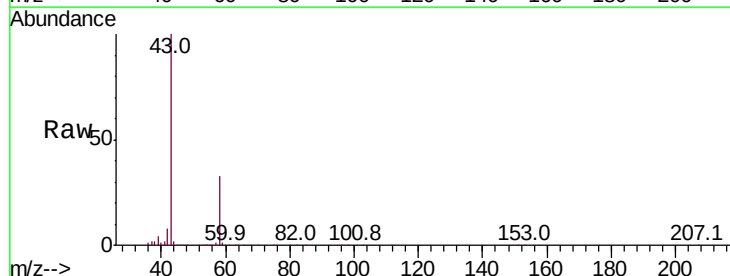
RT: 2.45 min Scan# 212

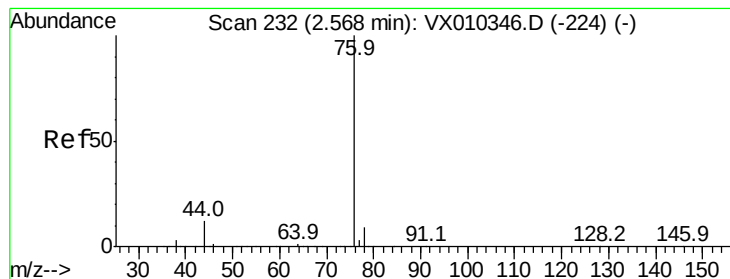
Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	28.9	43.3





#17

Carbon Disulfide

Concen: 37.886 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 215280

Ion Ratio Lower Upper

76 100

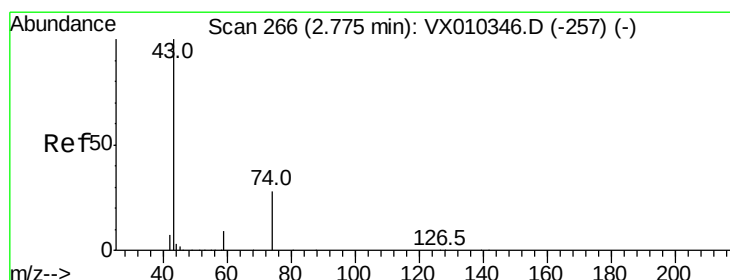
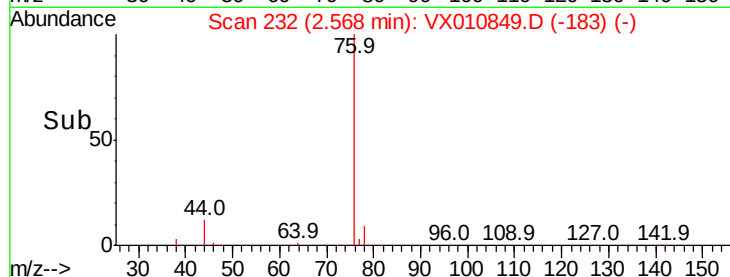
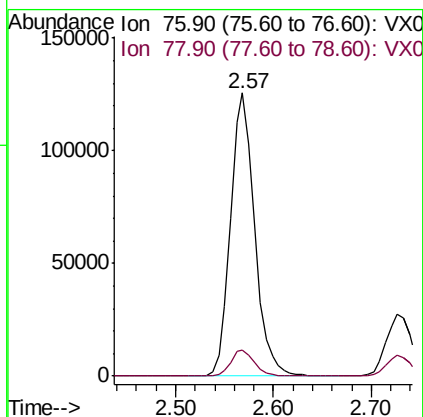
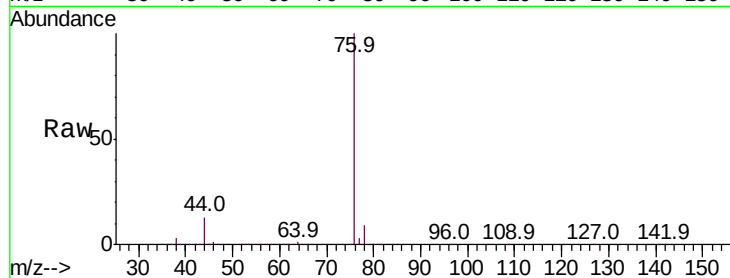
78 9.3 7.3 10.9

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#18

Methyl Acetate

Concen: 45.842 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010849.D

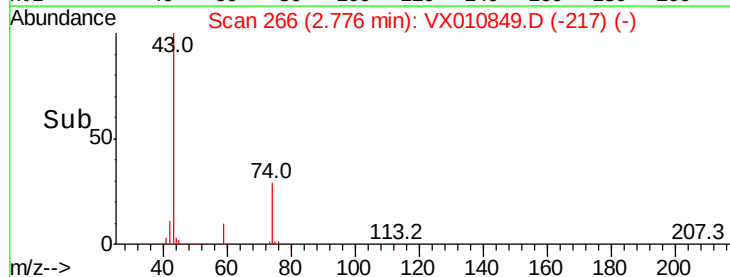
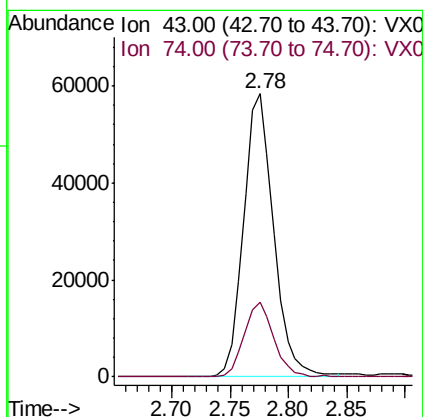
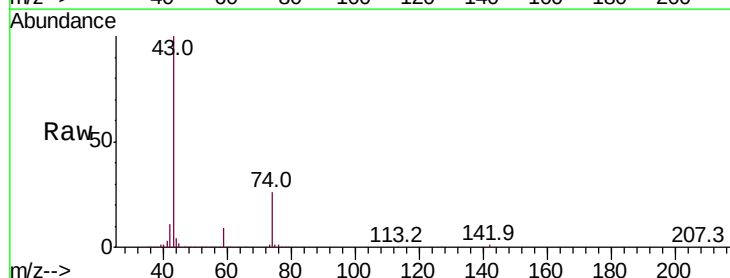
Acq: 12 Jul 2019 20:19

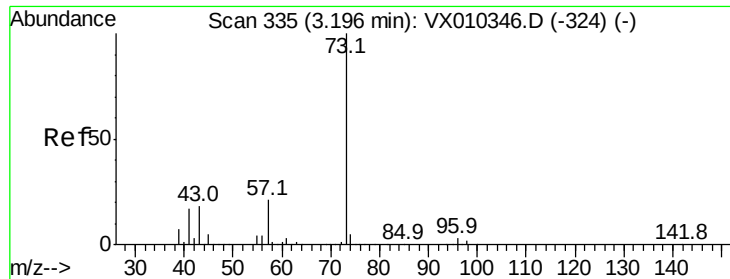
Tgt Ion: 43 Resp: 104909

Ion Ratio Lower Upper

43 100

74 27.0 21.3 31.9





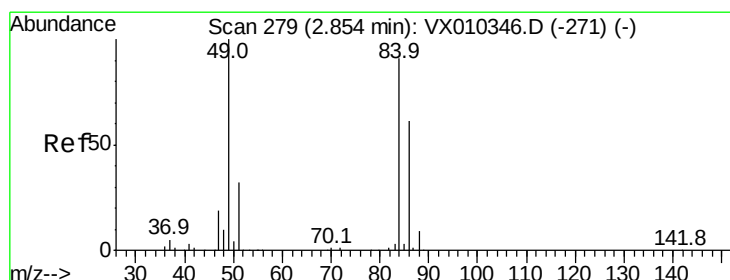
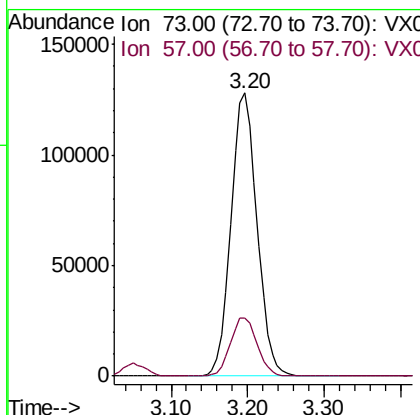
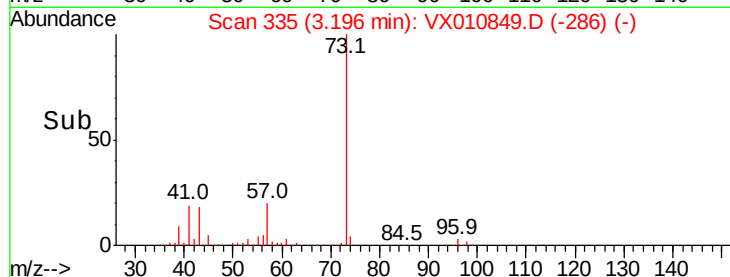
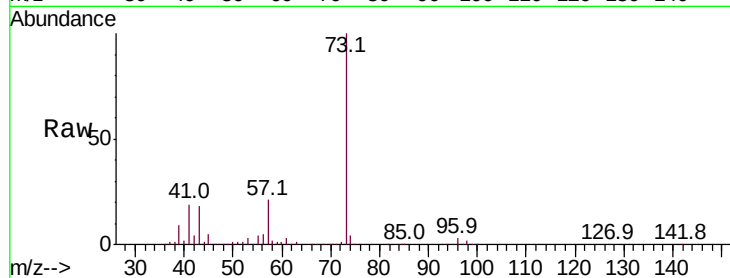
#19
Methyl tert-butyl Ether
Concen: 45.257 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	16.4	24.6

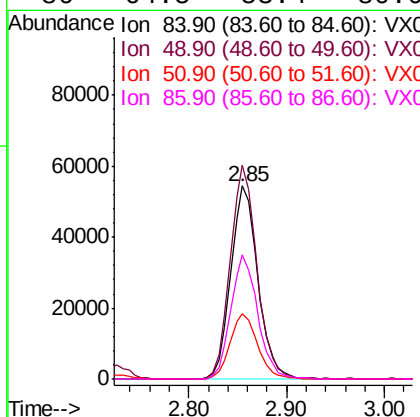
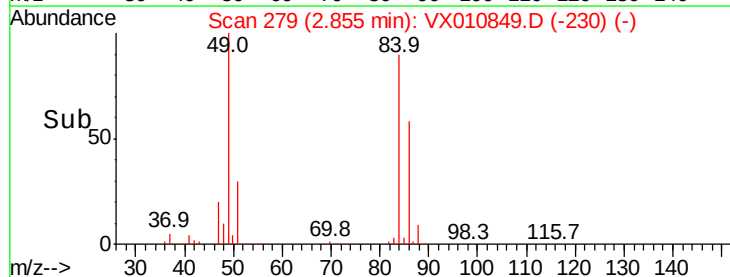
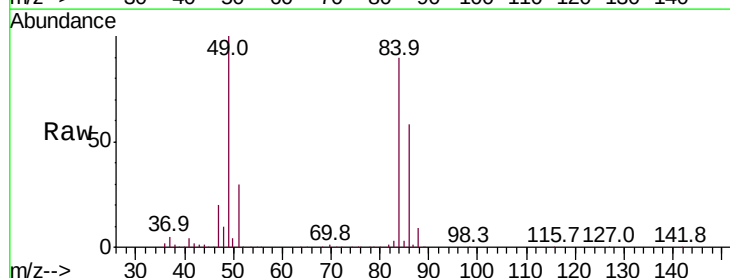
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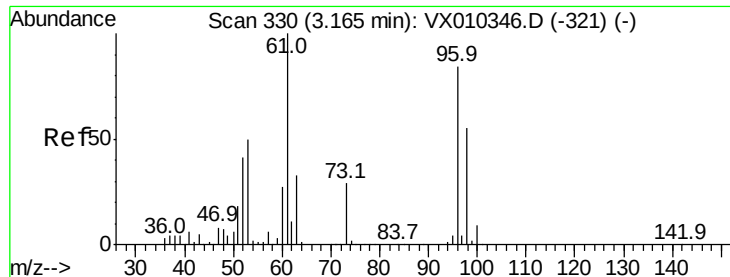
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#20
Methylene Chloride
Concen: 44.189 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.6	87.5	131.3
51	33.7	27.7	41.5
86	64.5	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 42.158 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

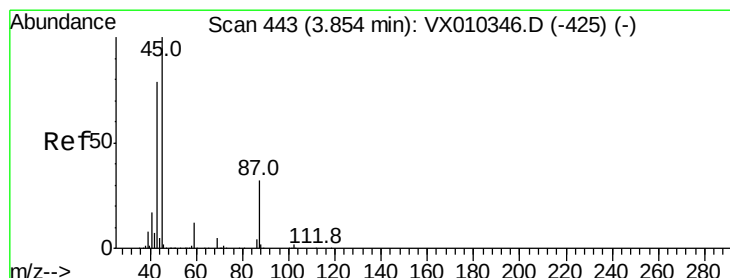
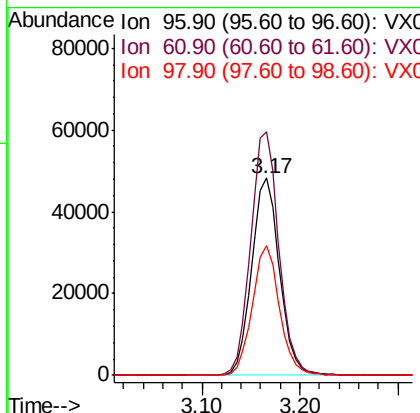
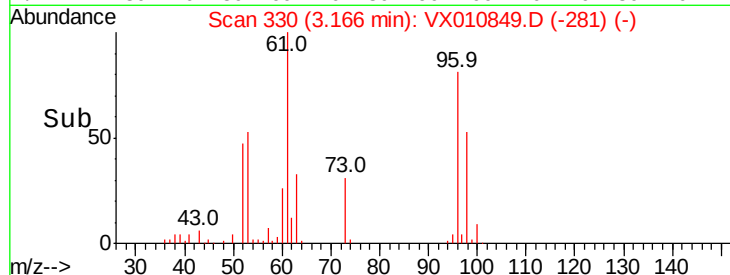
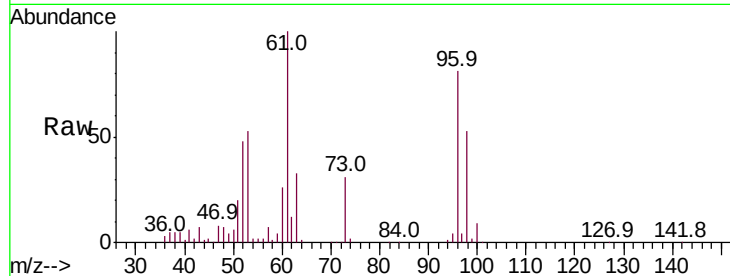
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	96034
Ion	Ratio	Lower	Upper
96	100		
61	123.5	95.6	143.4
98	65.6	52.5	78.7

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#22

Diisopropyl ether

Concen: 45.822 ug/l

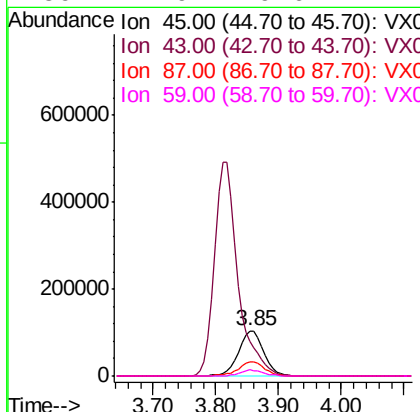
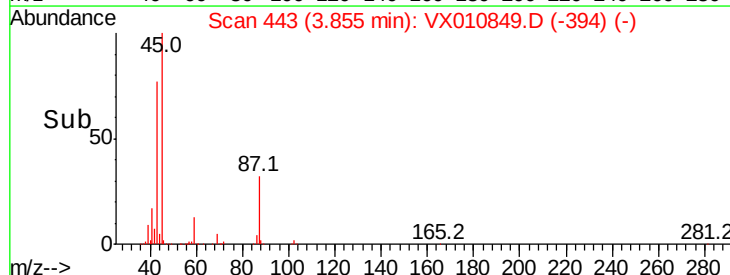
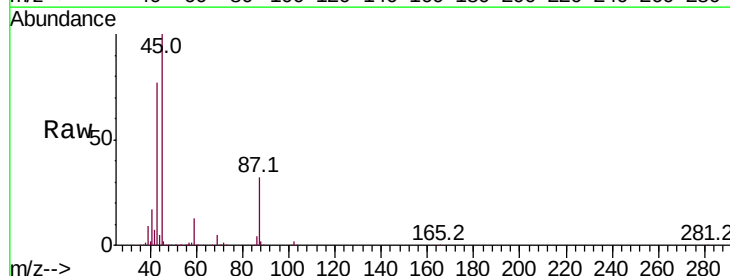
RT: 3.85 min Scan# 443

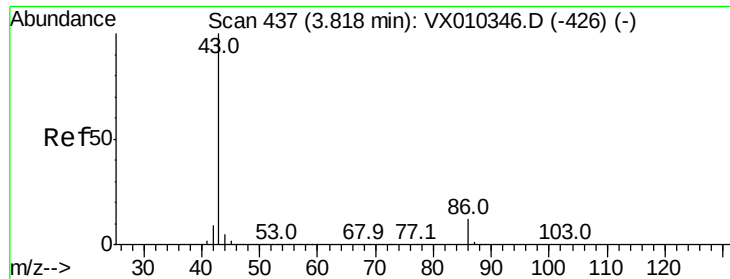
Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion:	45	Resp:	288079
Ion	Ratio	Lower	Upper
45	100		
43	76.8	63.3	94.9
87	31.5	25.8	38.8
59	12.9	9.6	14.4





#23

Vinyl Acetate

Concen: 235.317 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1278066

Ion Ratio Lower Upper

43 100

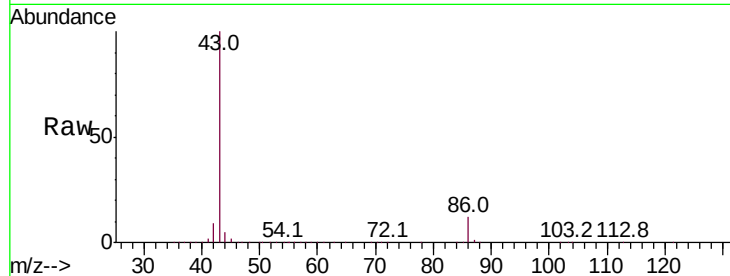
86 11.9 9.9 14.9

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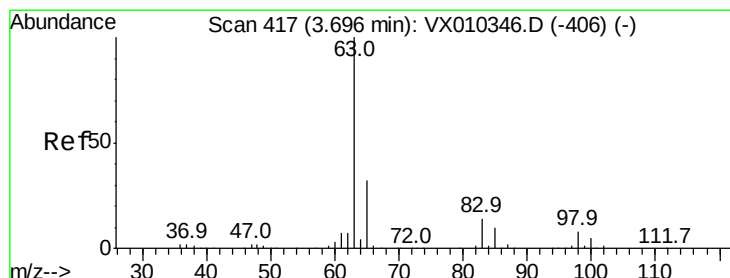
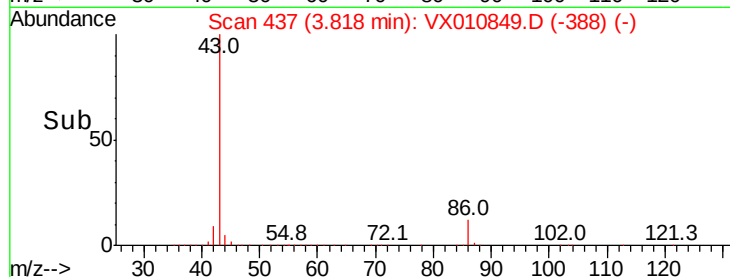
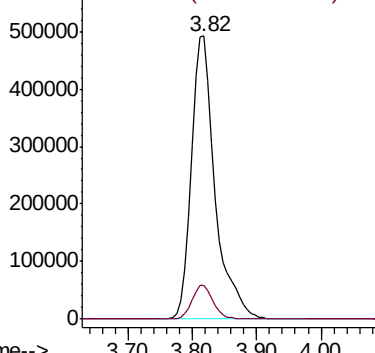
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 45.255 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

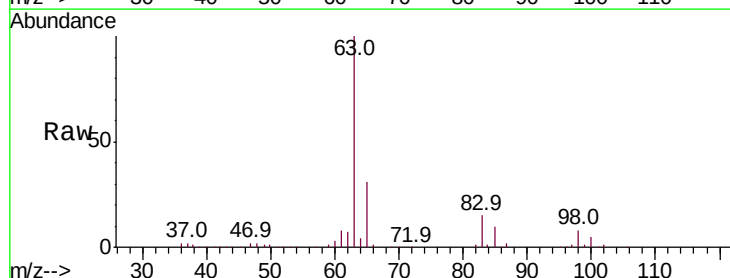
Tgt Ion: 63 Resp: 164460

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

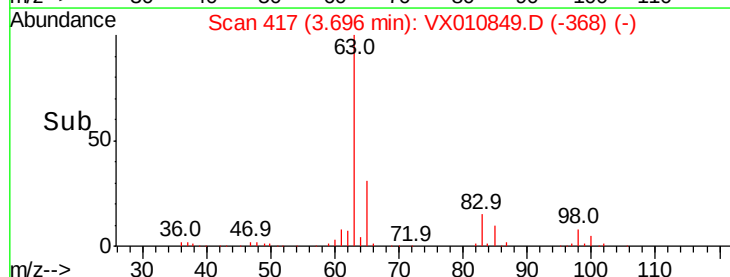
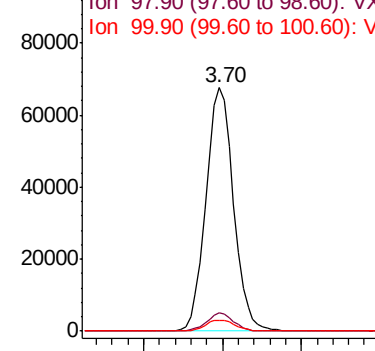
100 4.5 2.4 7.1

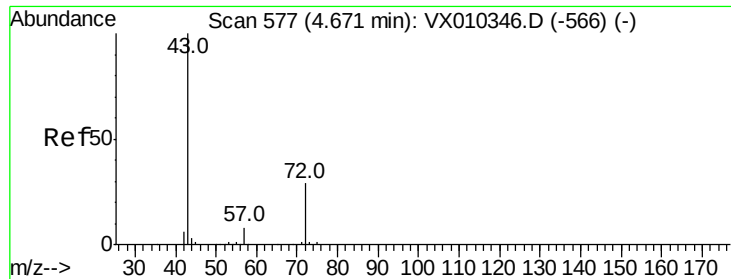


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 221.269 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 372683

Ion Ratio Lower Upper

43 100

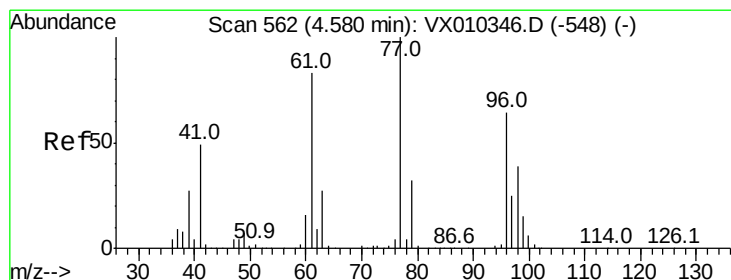
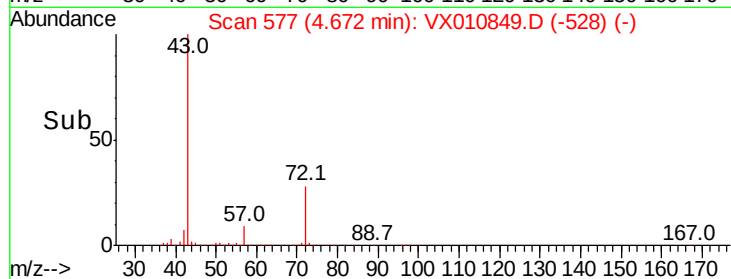
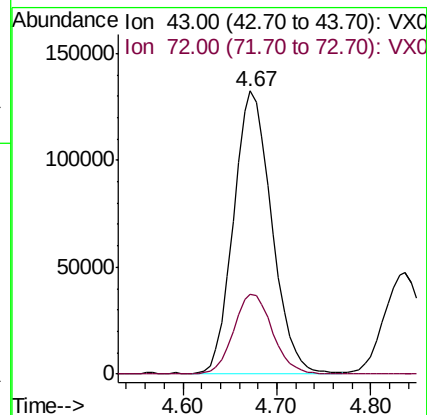
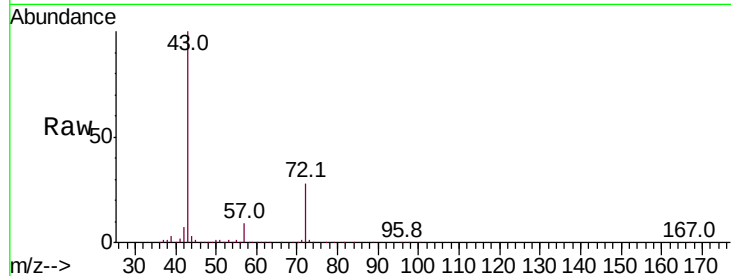
72 28.0 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 39.274 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010849.D

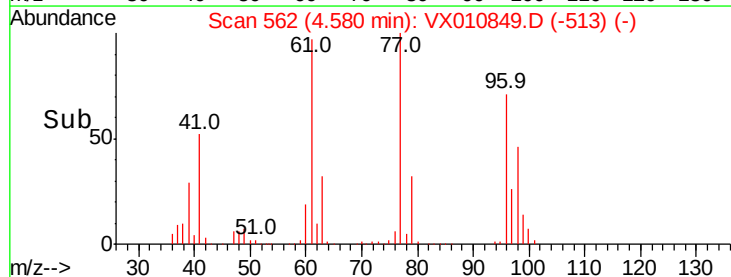
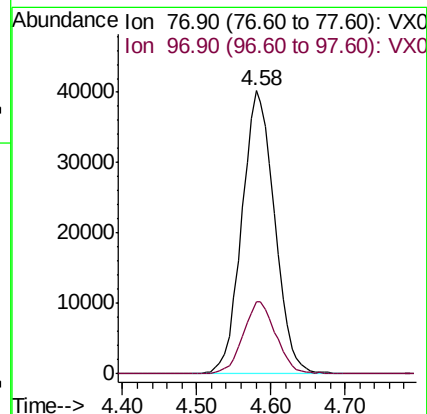
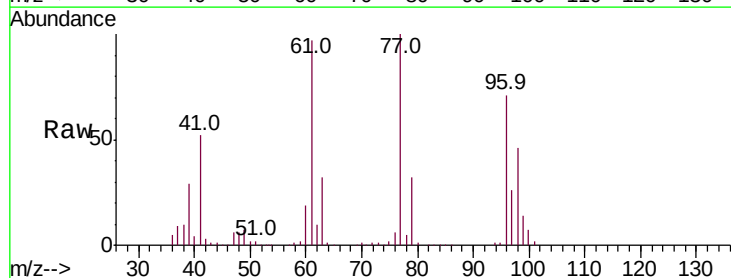
Acq: 12 Jul 2019 20:19

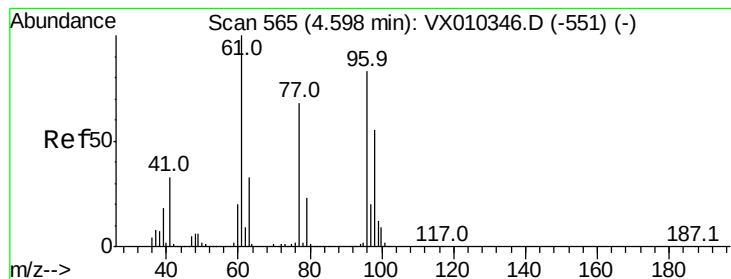
Tgt Ion: 77 Resp: 123983

Ion Ratio Lower Upper

77 100

97 25.7 13.1 39.3





#27

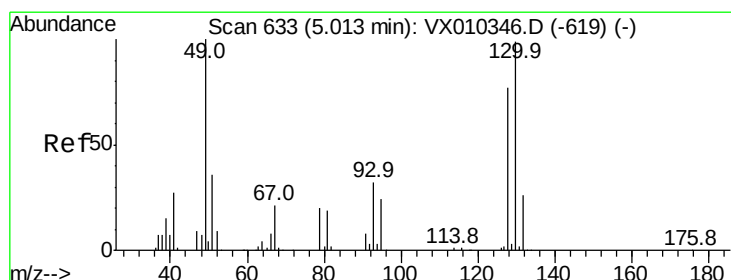
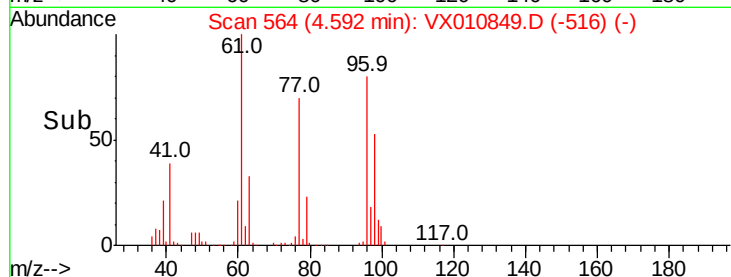
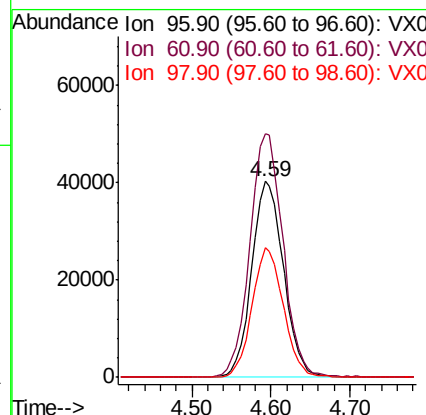
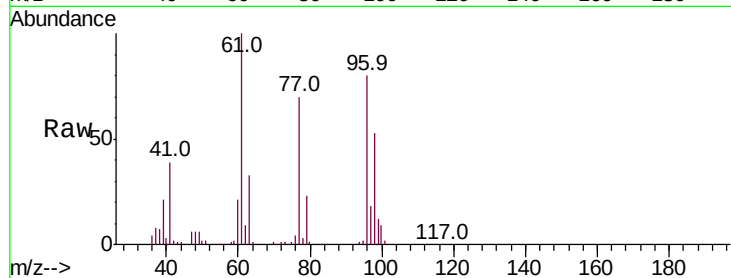
cis-1,2-Dichloroethene
Concen: 43.060 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	113350		
61	129.3	0.0	251.8	
98	65.0	0.0	129.4	

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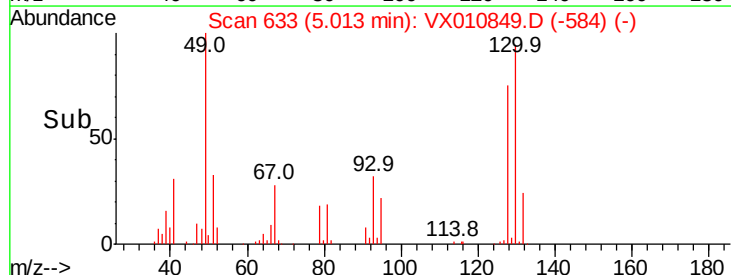
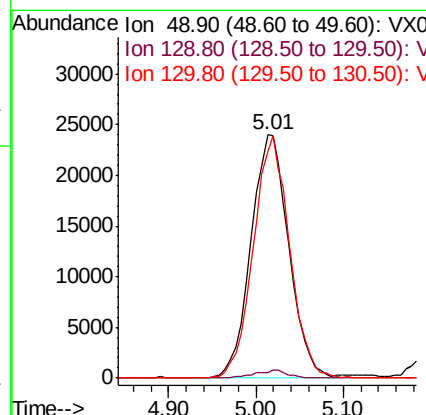
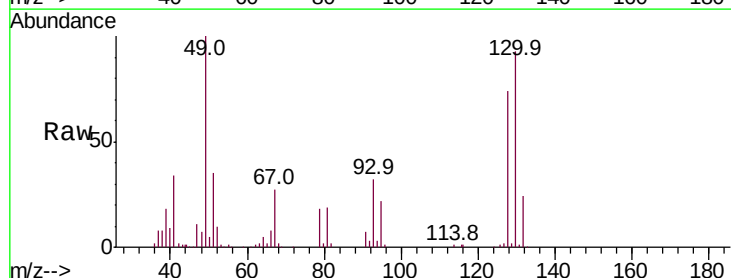
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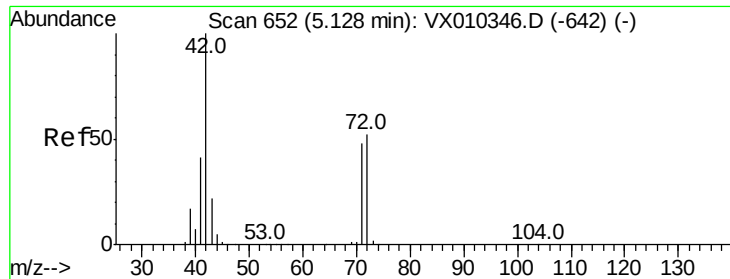


#28

Bromochloromethane
Concen: 41.733 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	72512		
129	2.9	0.0	5.6	
130	95.0	81.4	122.0	





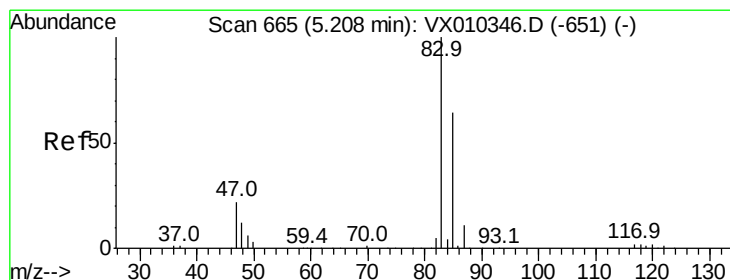
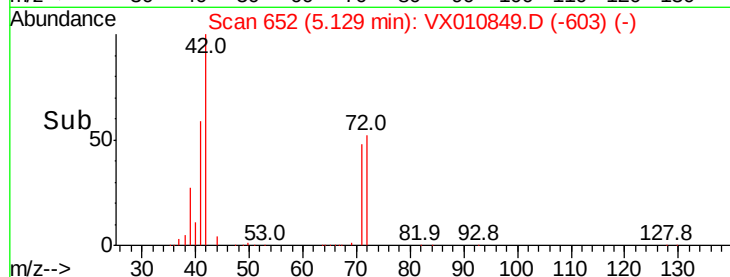
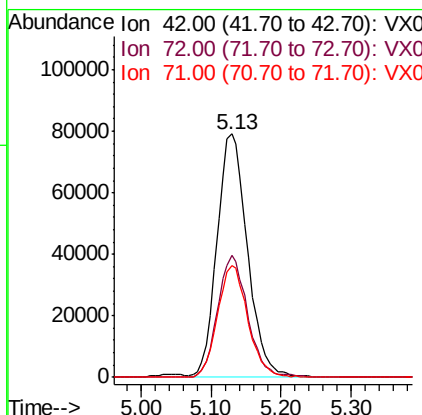
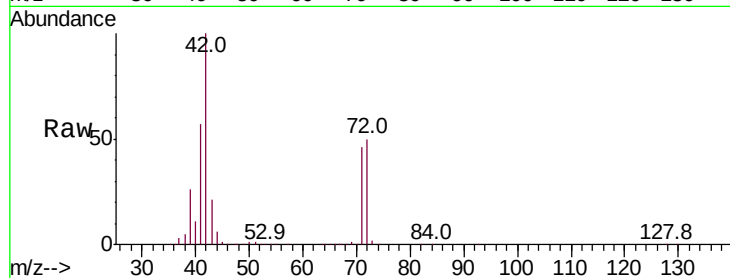
#29
Tetrahydrofuran
Concen: 227.914 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	40.6	60.8
71	46.0	37.8	56.8

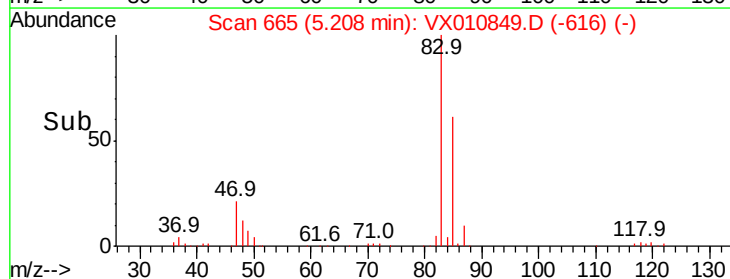
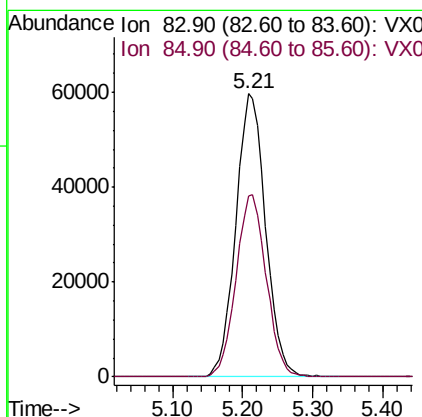
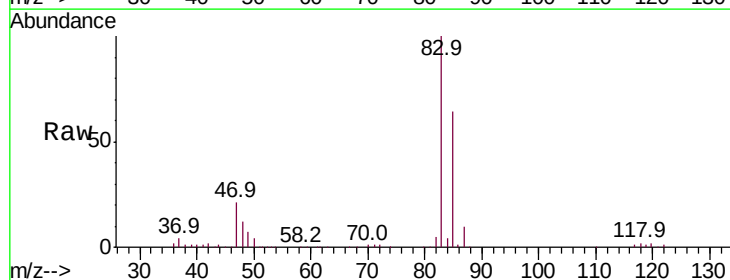
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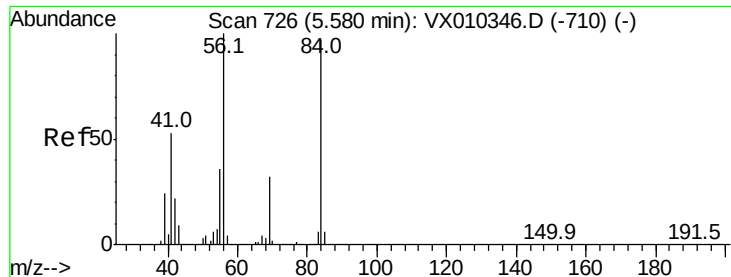
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#30
Chloroform
Concen: 45.129 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3





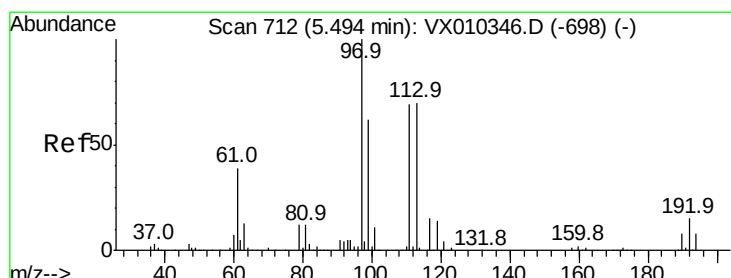
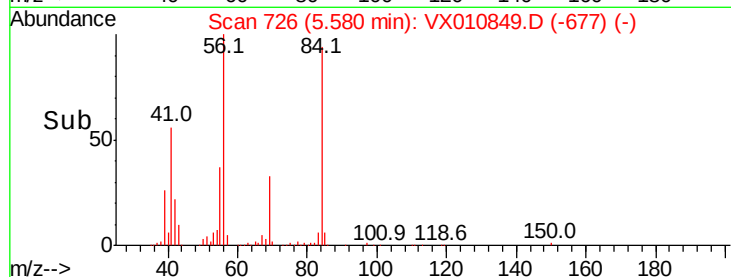
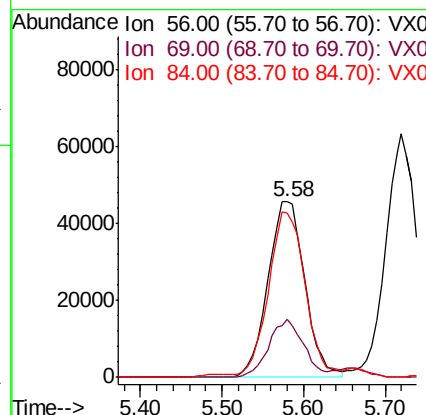
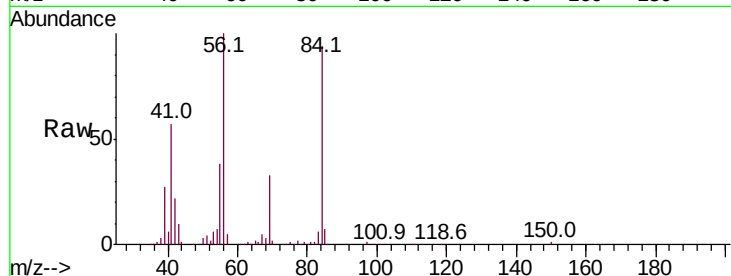
#31
Cyclohexane
Concen: 43.488 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.9	38.9
84	93.1	78.0	117.0

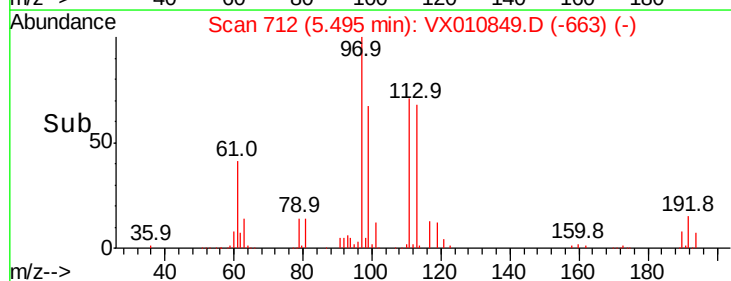
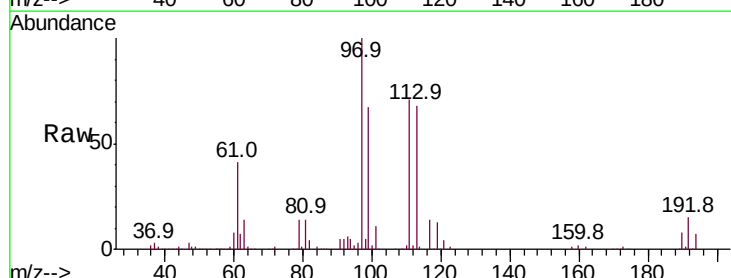
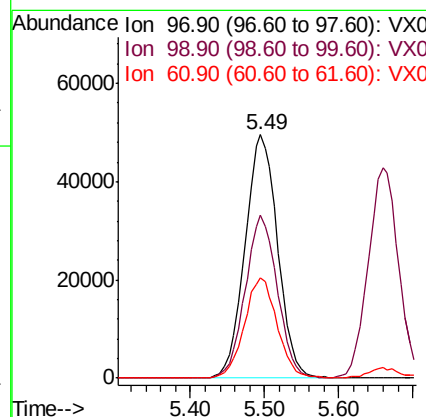
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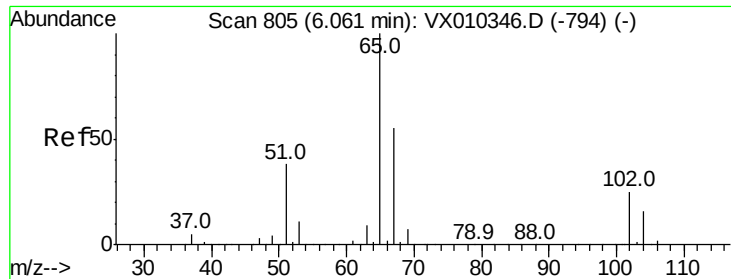
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#32
1,1,1-Trichloroethane
Concen: 44.083 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.8	77.8
61	41.5	32.1	48.1





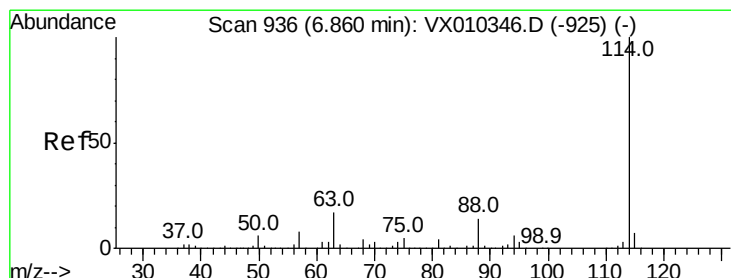
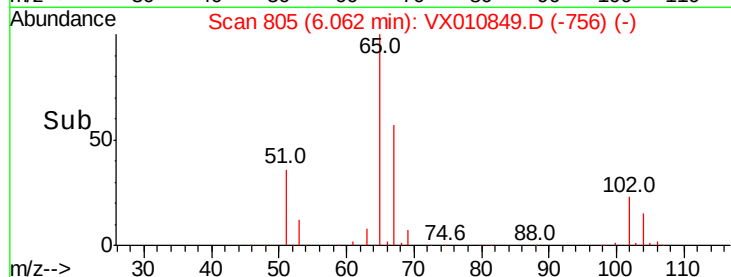
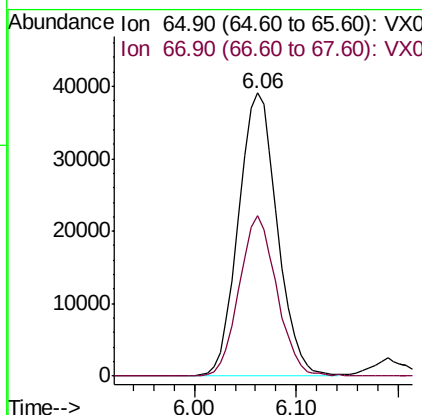
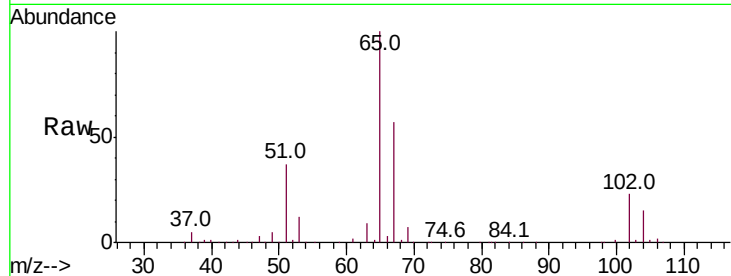
#33
 1,2-Dichloroethane-d4
 Concen: 45.120 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 103375
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.2

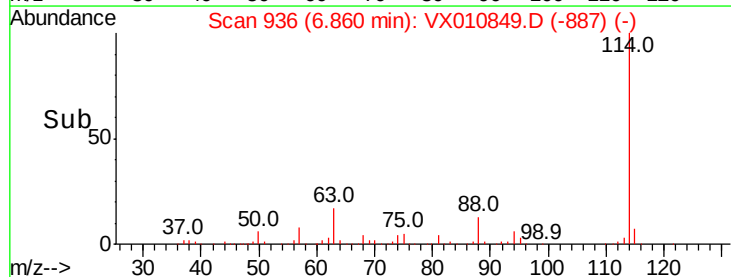
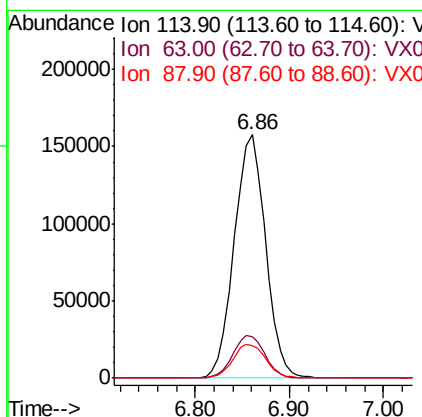
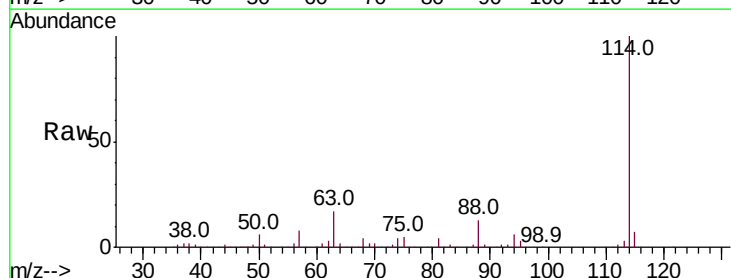
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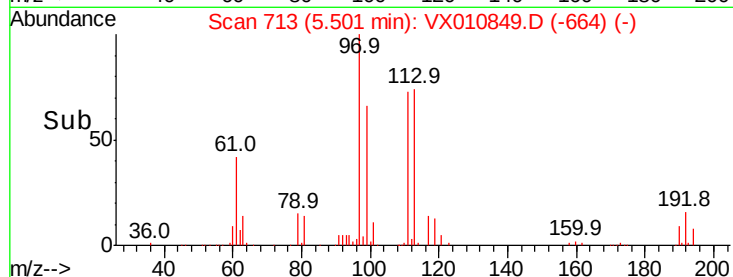
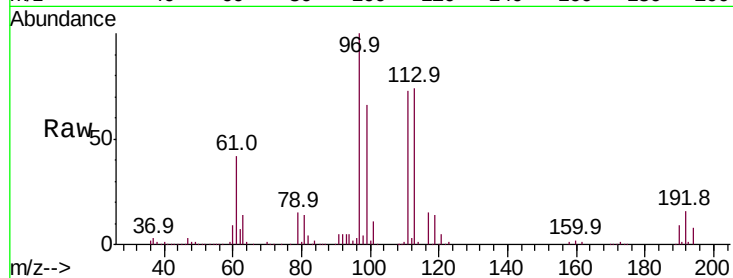
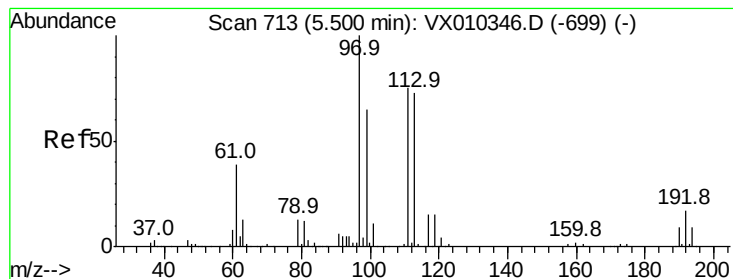
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion: 114 Resp: 367860
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 33.8
 88 13.4 0.0 27.6





#35

Dibromofluoromethane

Concen: 44.339 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010849.D

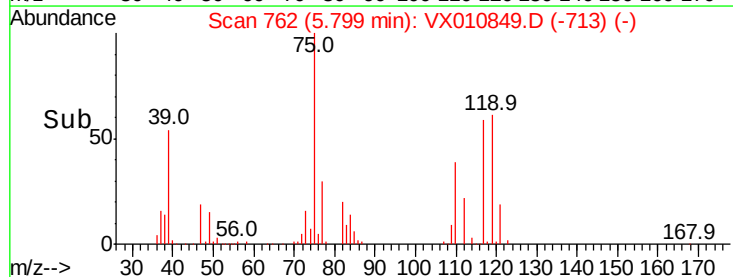
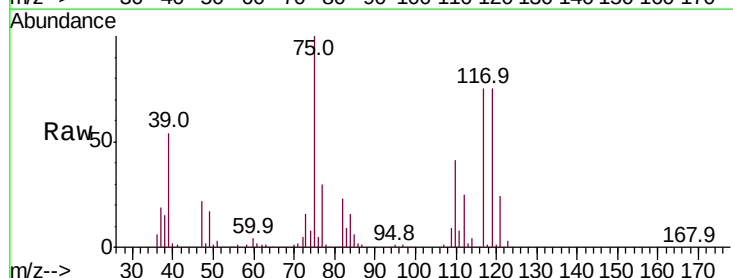
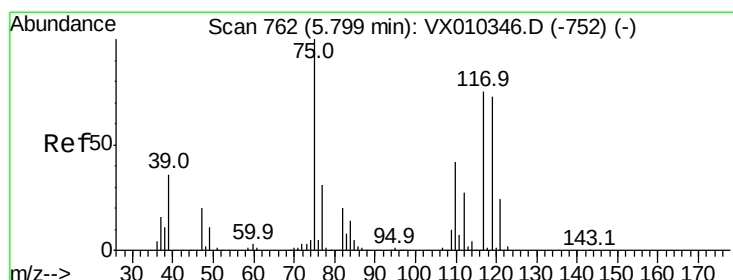
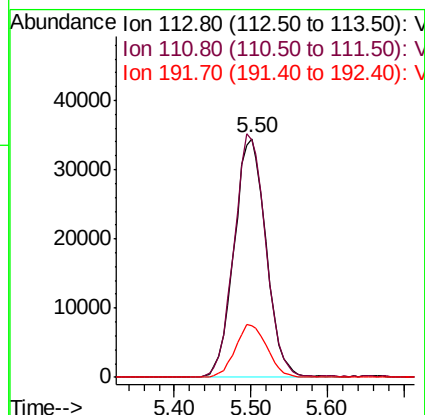
Acq: 12 Jul 2019 20:19

Tot Ion:	113	Resp:	99794
Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.2	121.8
192	22.0	18.6	27.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 43.158 ug/l

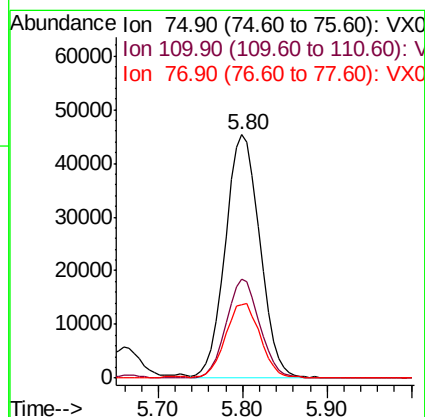
RT: 5.80 min Scan# 762

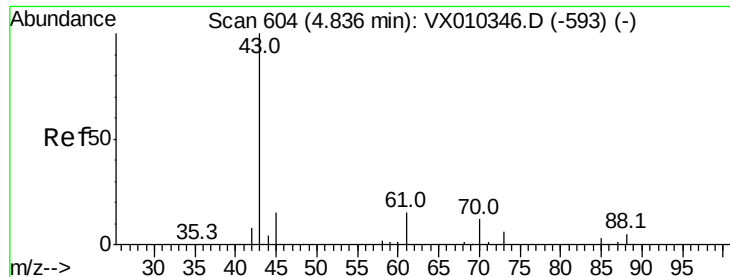
Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion:	75	Resp:	126159
Ion	Ratio	Lower	Upper
75	100		
110	39.7	20.8	62.2
77	30.8	25.4	38.0





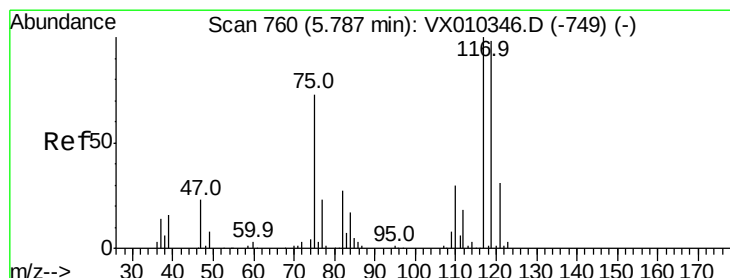
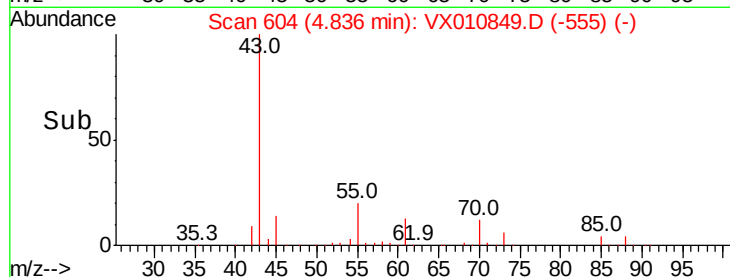
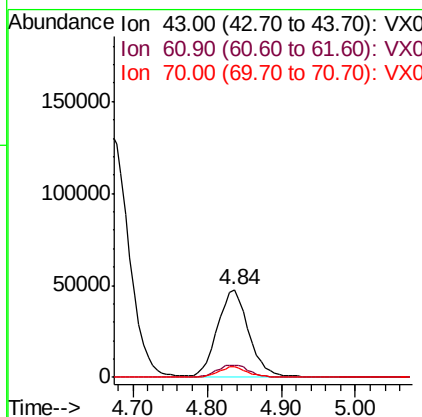
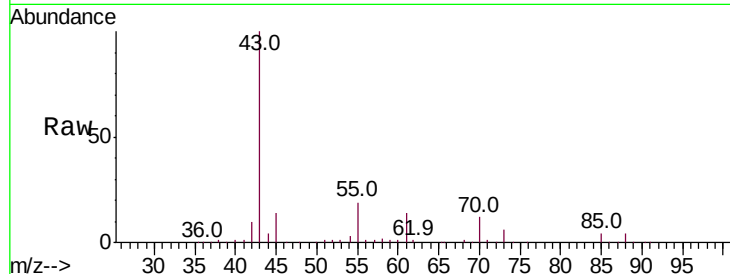
#37
Ethyl Acetate
Concen: 46.382 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.4	18.6
70	11.5	9.8	14.8

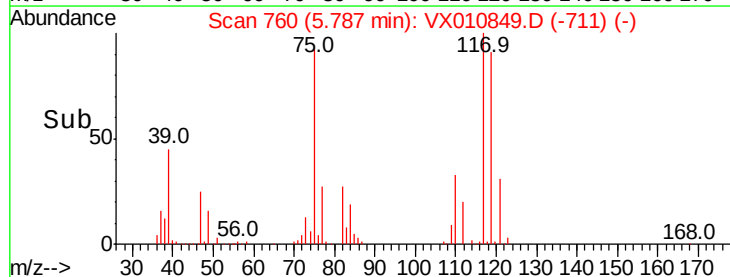
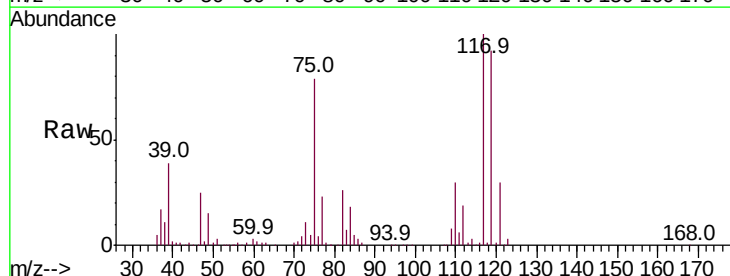
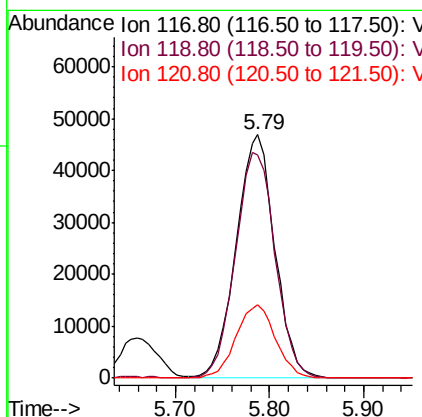
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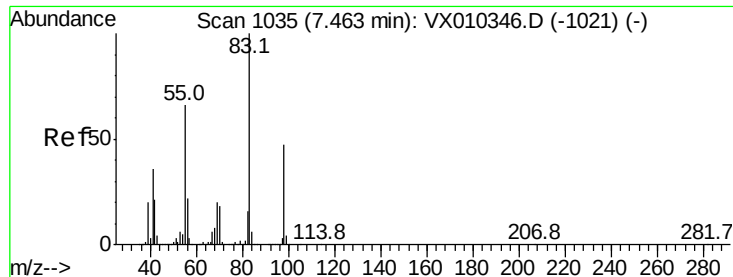
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#38
Carbon Tetrachloride
Concen: 42.355 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	78.2	117.4
121	30.4	24.7	37.1





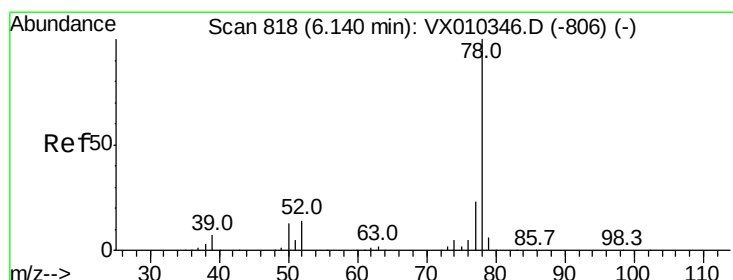
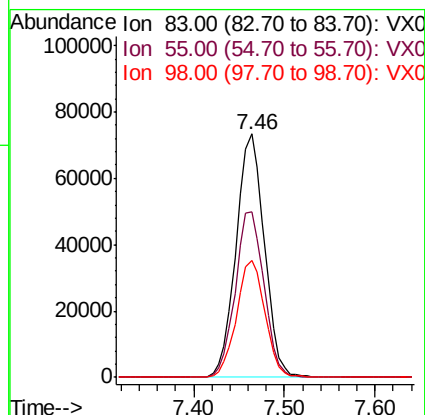
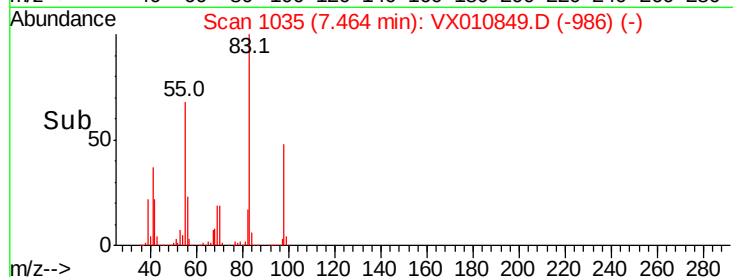
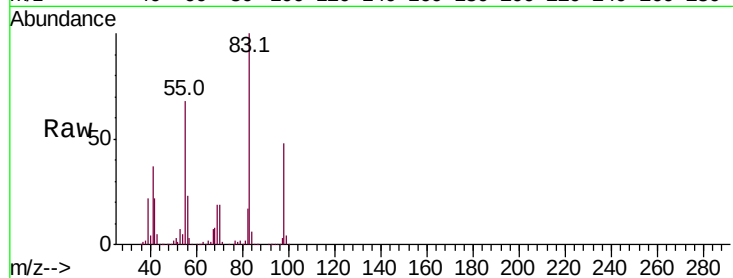
#39
Methylvlcyclohexane
Concen: 41.320 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.3	53.0	79.6
98	48.0	37.8	56.8

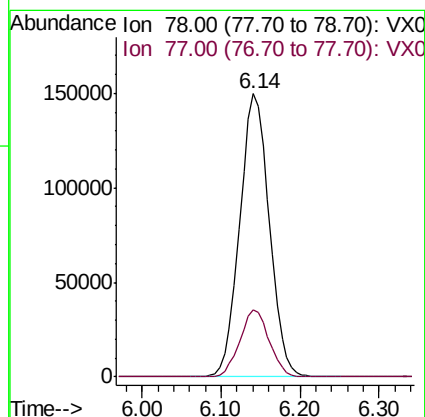
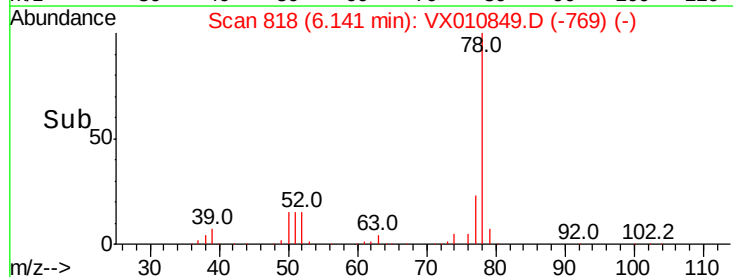
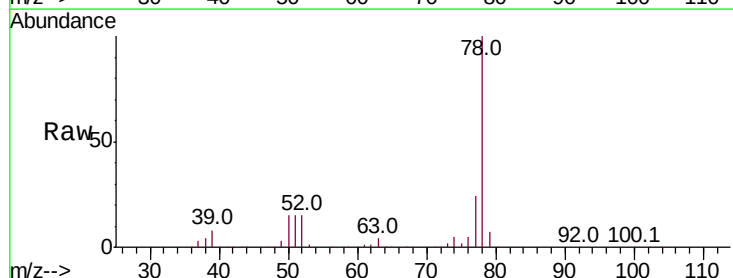
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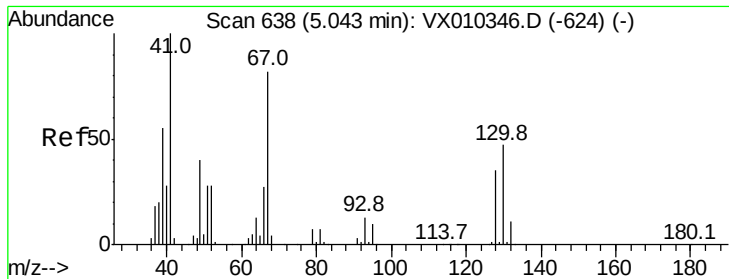
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#40
Benzene
Concen: 42.989 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0





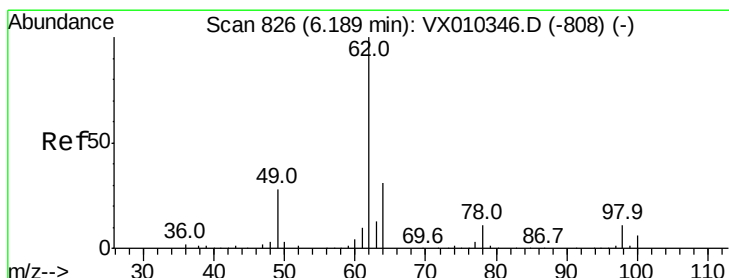
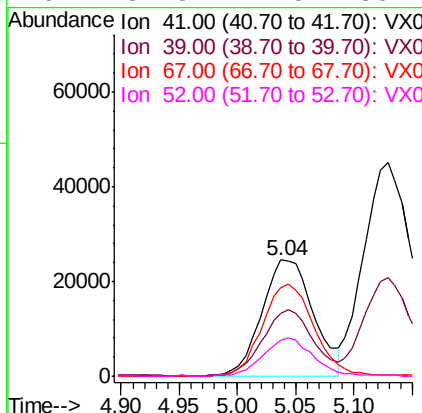
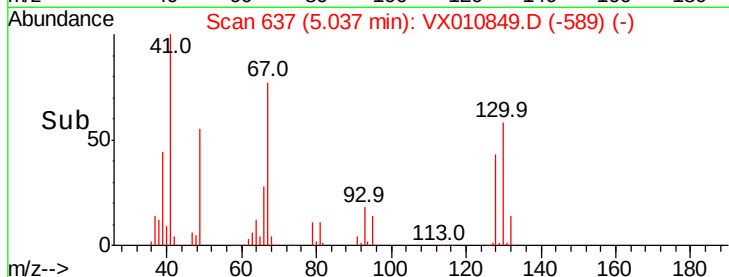
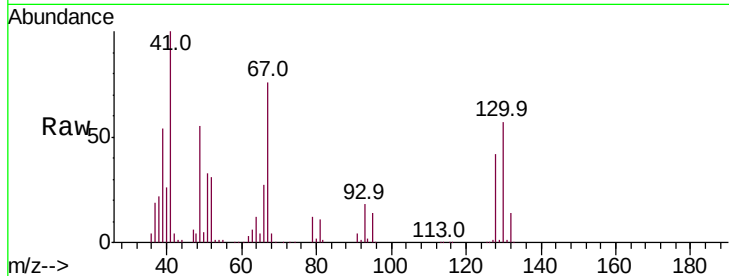
#41
Methacrylonitrile
Concen: 45.574 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	43.8	65.8	
67	79.8	66.6	100.0	
52	32.3	24.5	36.7	

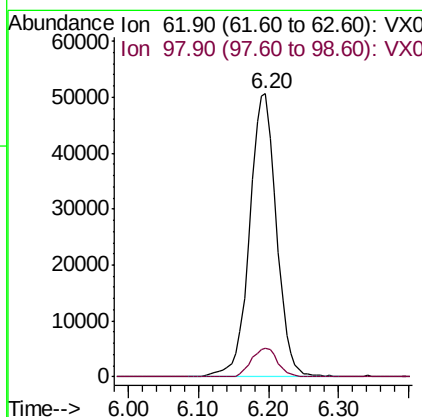
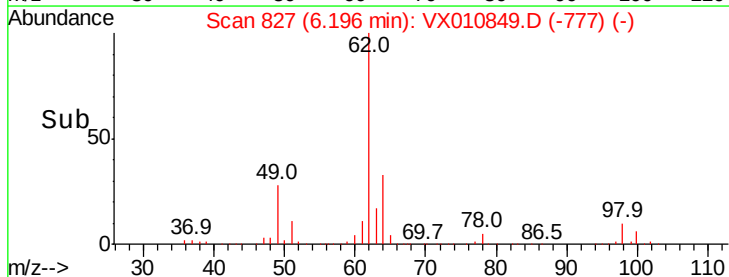
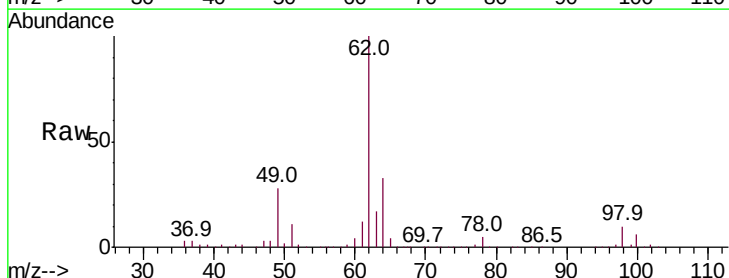
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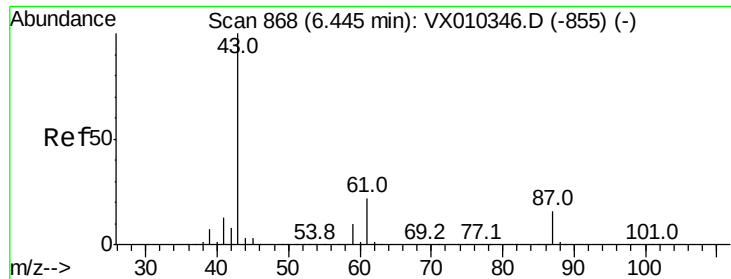
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#42
1,2-Dichloroethane
Concen: 48.307 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	22.2	





#43

Isopropyl Acetate

Concen: 45.444 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

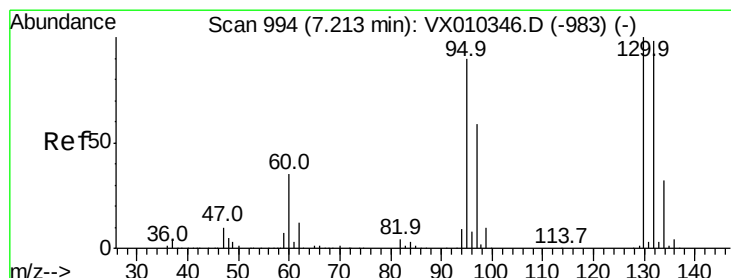
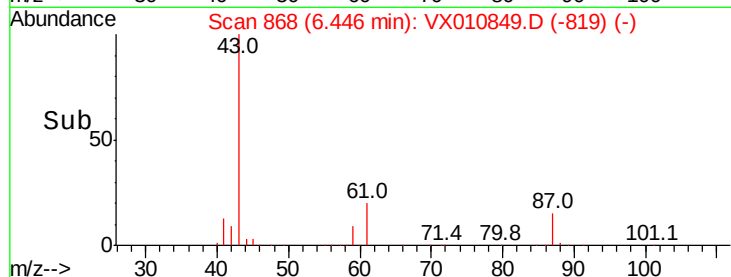
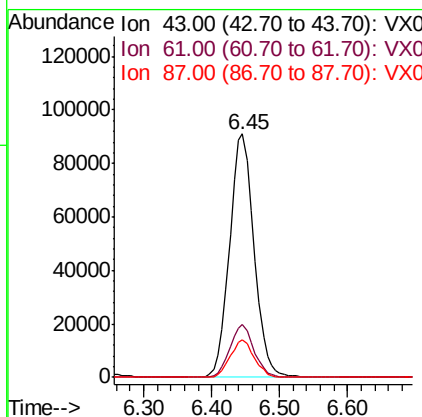
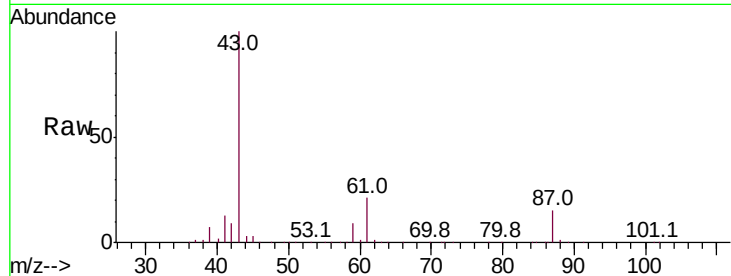
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	226109
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.8	26.6
87	15.2	13.0	19.4

Manual Integrations
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#44

Trichloroethene

Concen: 41.600 ug/l

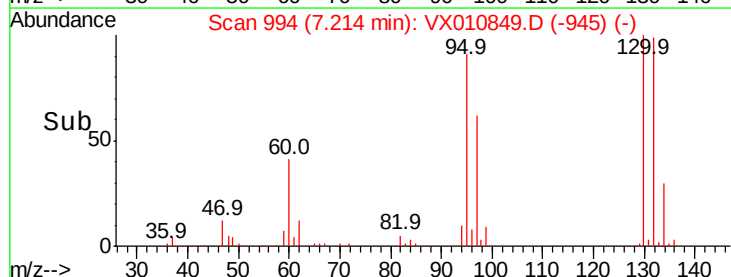
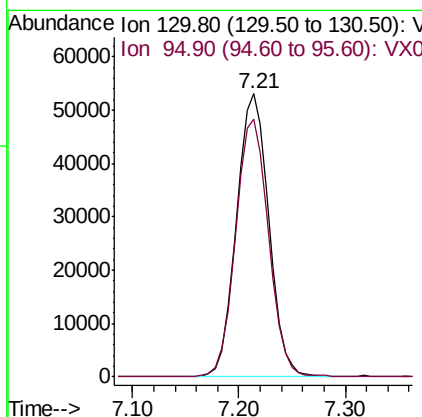
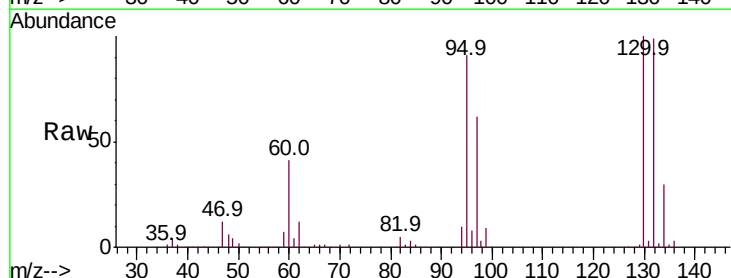
RT: 7.21 min Scan# 994

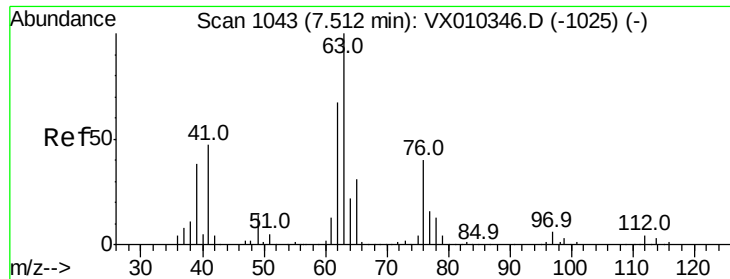
Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion:	130	Resp:	113364
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	180.8





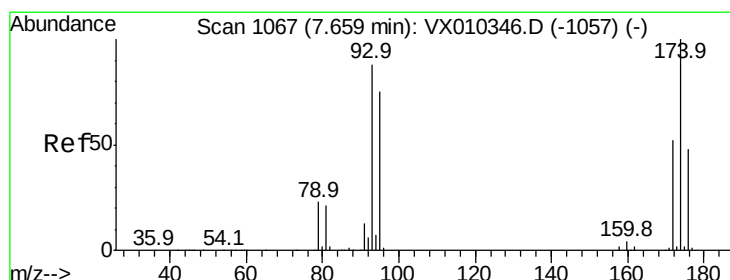
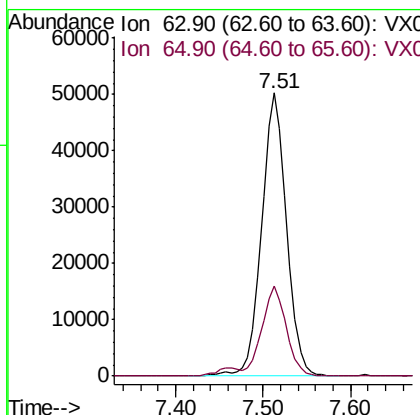
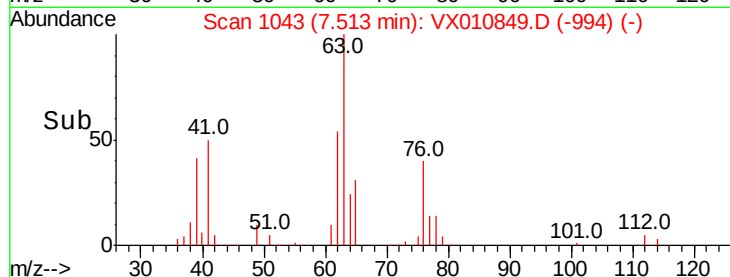
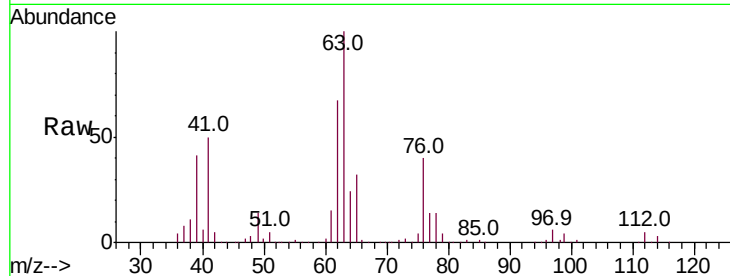
#45
1,2-Dichloropropane
Concen: 43.583 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.8	37.2

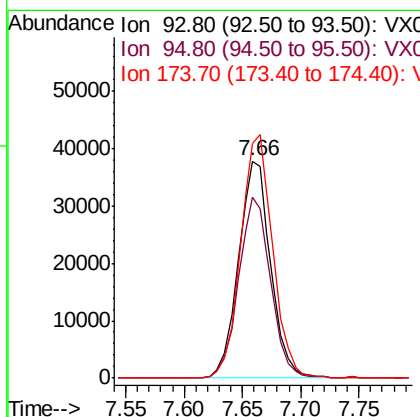
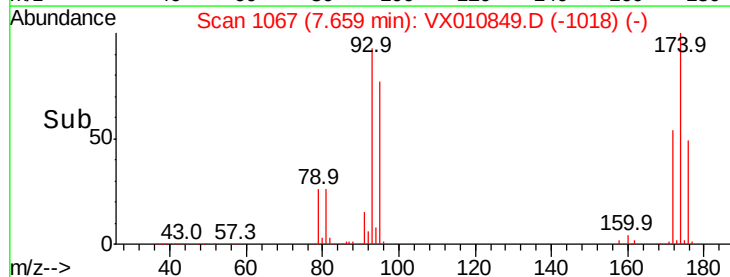
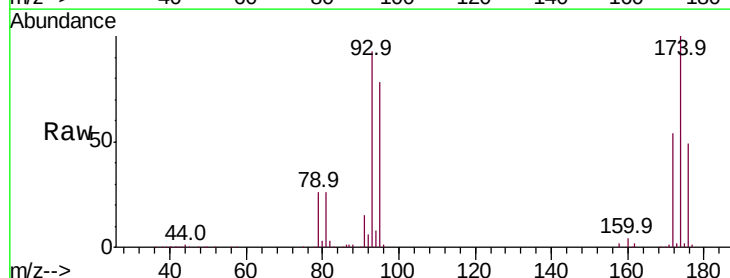
Manual Integrations
APPROVED

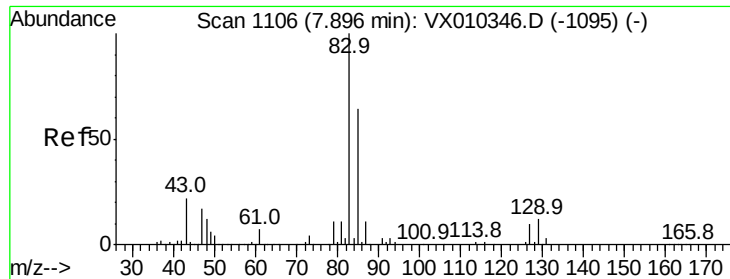
MMDadoda
7/15/2019 11:01:11 AM



#46
Dibromomethane
Concen: 44.016 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.5	101.3
174	112.0	95.8	143.6





#47

Bromodichloromethane

Concen: 43.513 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

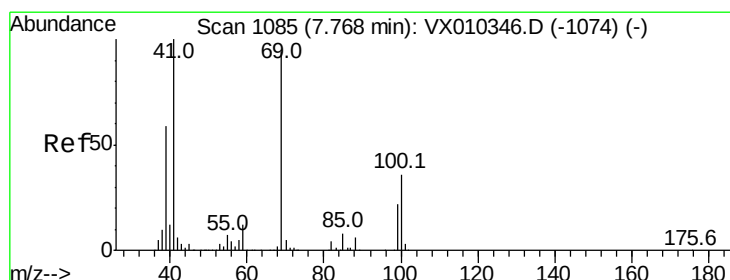
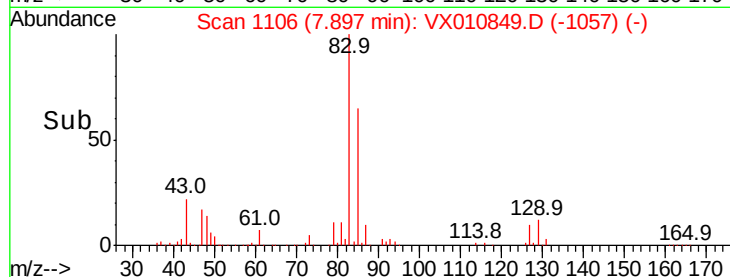
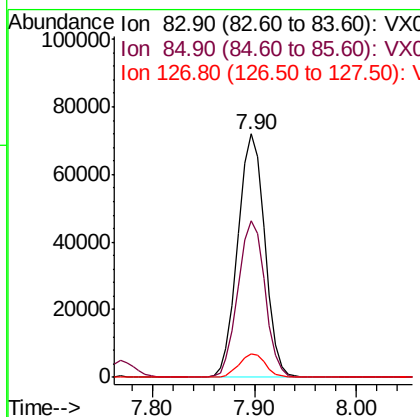
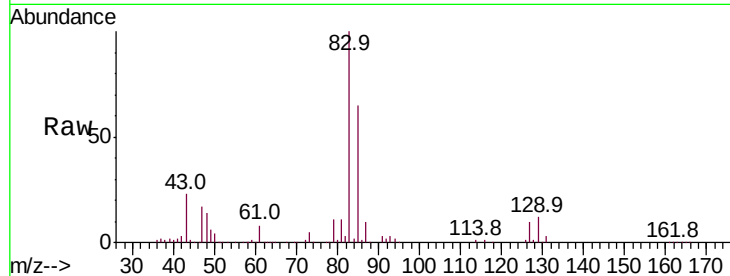
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	131581
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.5	77.3
127	9.8	7.8	11.8

Manual Integrations
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MMDadoda
7/15/2019 11:01:11 AM



#48

Methyl methacrylate

Concen: 47.138 ug/l

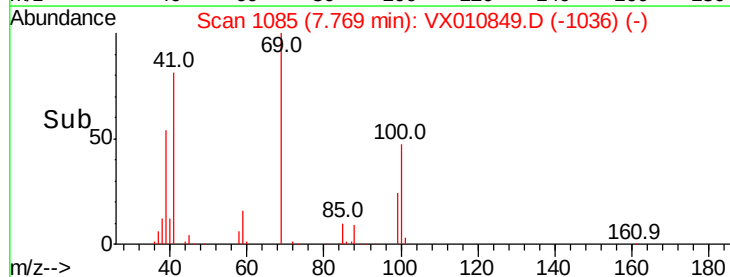
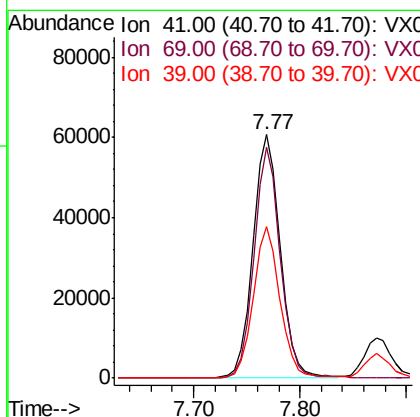
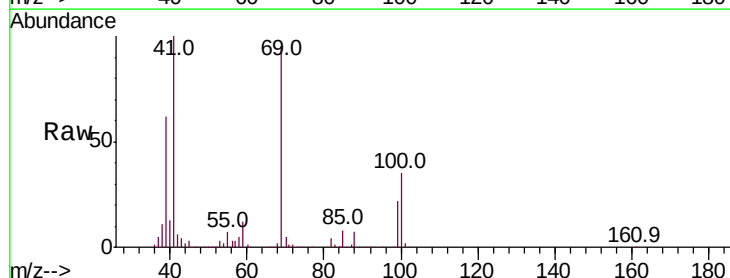
RT: 7.77 min Scan# 1085

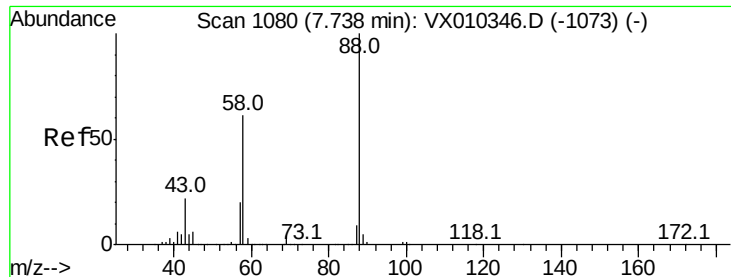
Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion:	41	Resp:	109016
Ion Ratio	Lower	Upper	
41	100		
69	91.1	76.1	114.1
39	60.7	47.6	71.4





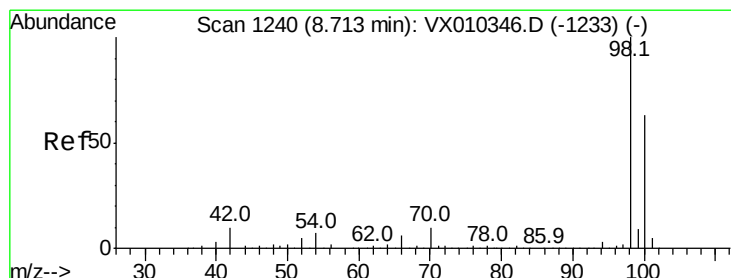
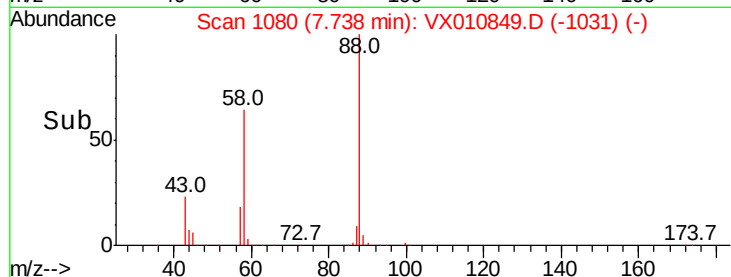
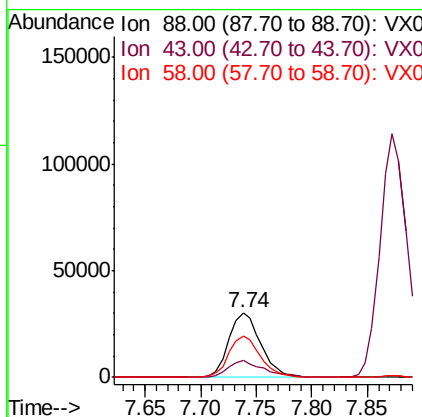
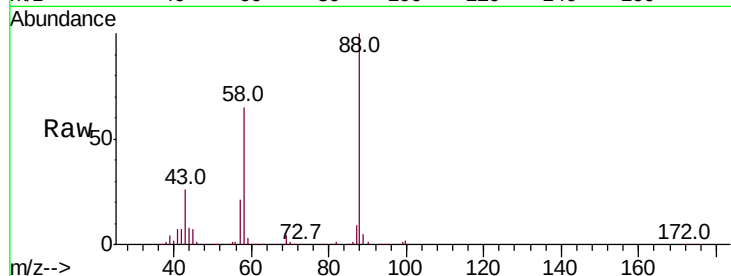
#49
 1,4-Dioxane
 Concen: 903.148 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	20.2	30.2
58	63.4	49.5	74.3

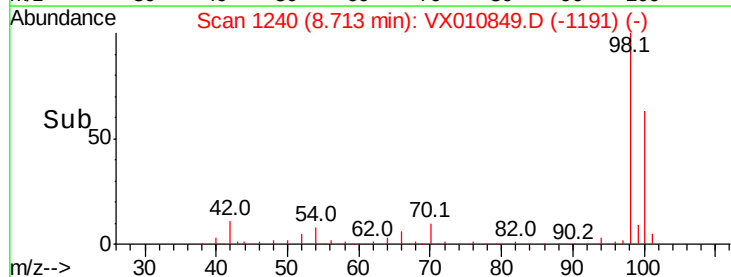
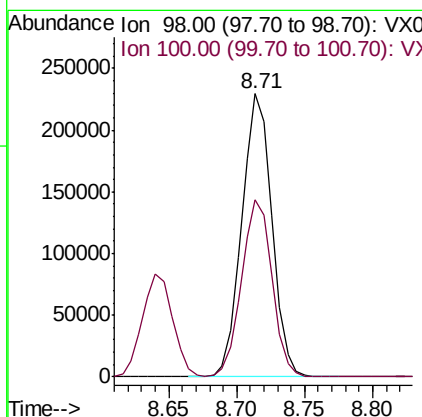
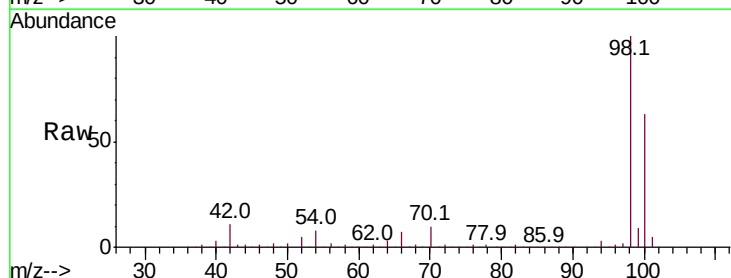
Manual Integrations
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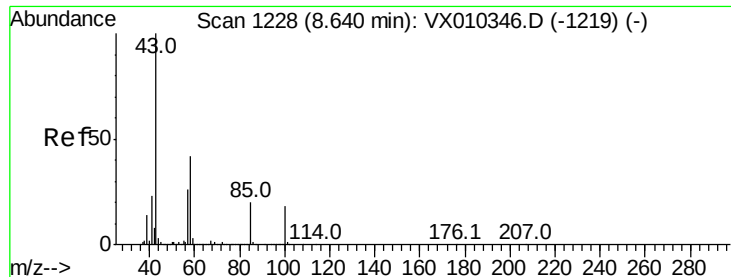
MMDadoda
 7/15/2019 11:01:11 AM



#50
 Toluene-d8
 Concen: 41.118 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.6	77.4





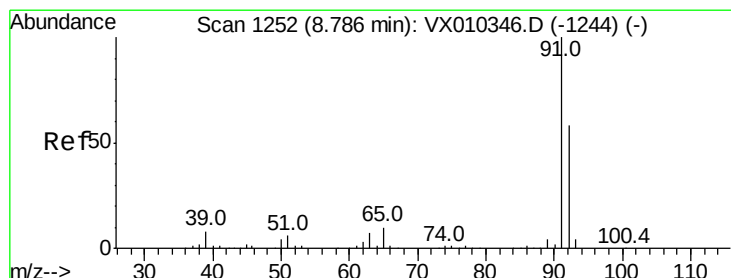
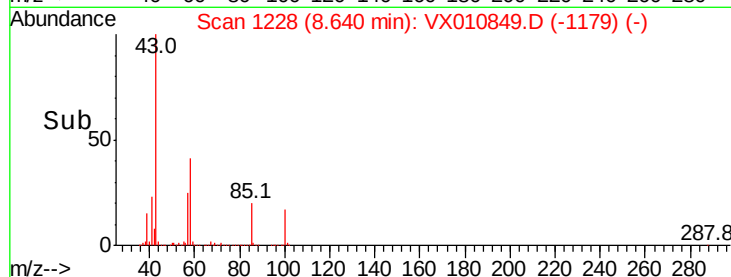
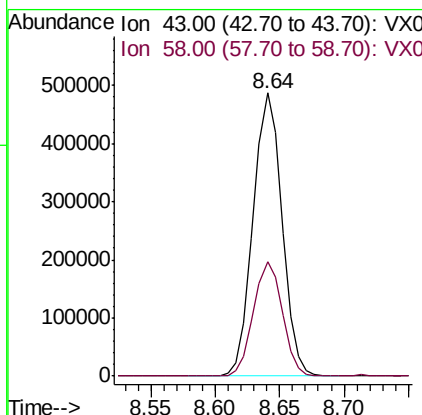
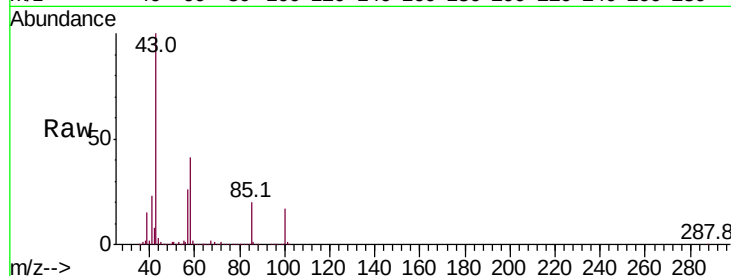
#51
4-Methyl-2-Pentanone
Concen: 236.611 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	33.5	50.3

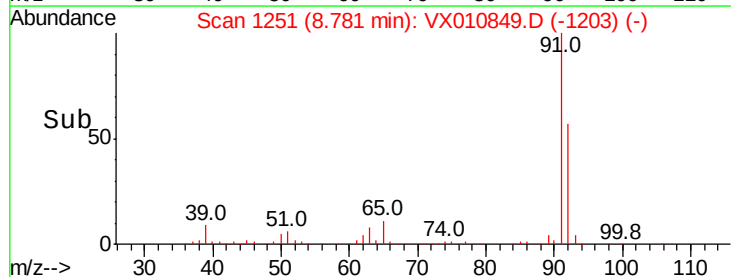
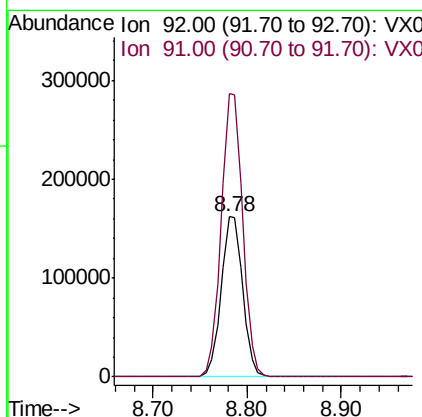
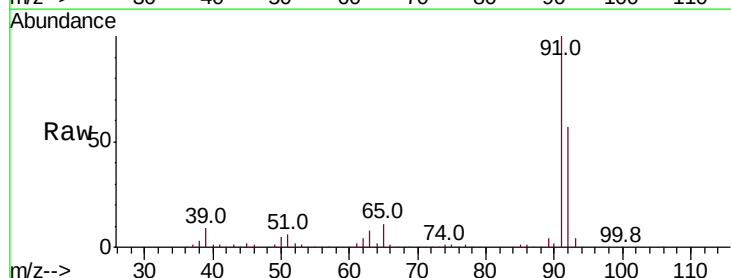
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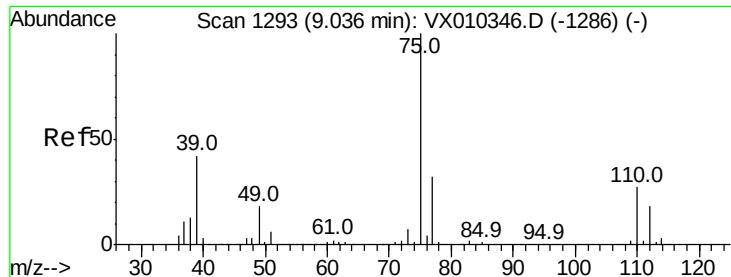
MMDadoda
7/15/2019 11:01:11 AM



#52
Toluene
Concen: 42.789 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.6	139.8	209.6





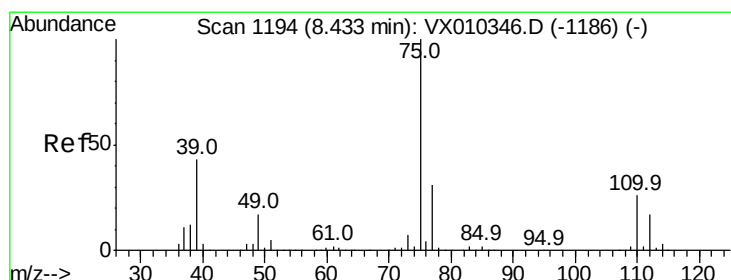
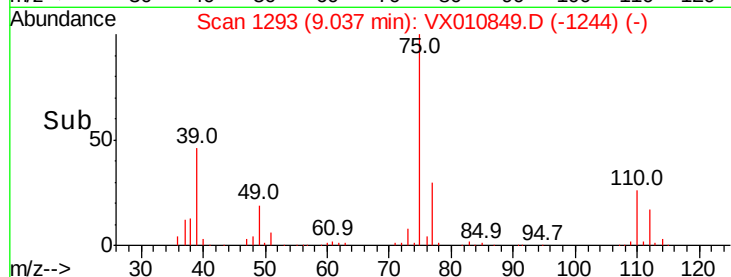
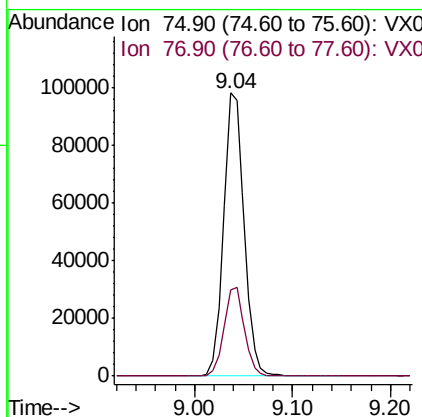
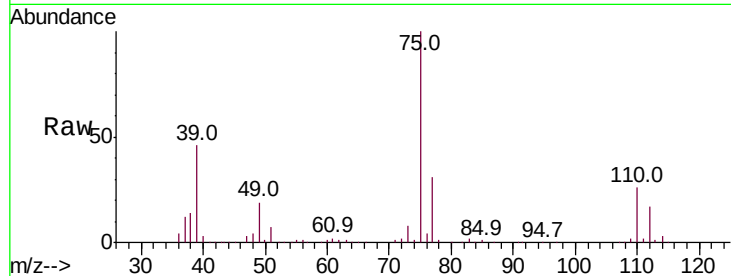
#53
 t-1,3-Dichloropropene
 Concen: 42.022 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 142467
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.2

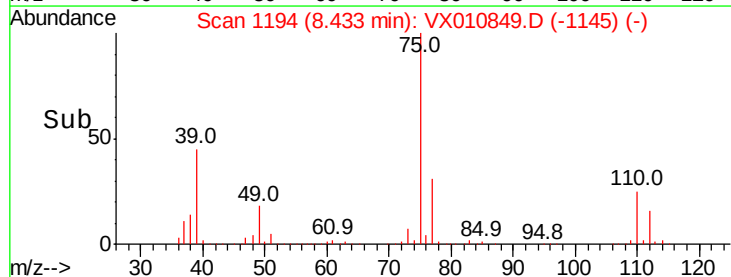
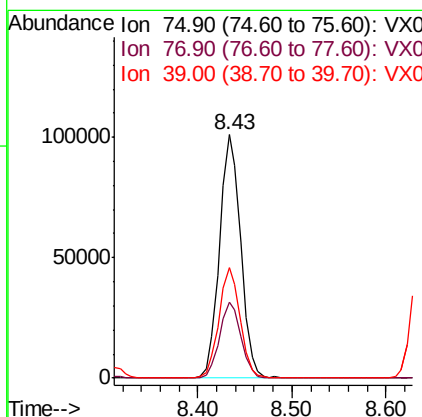
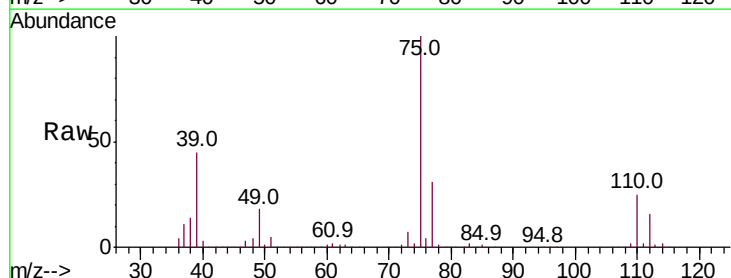
Manual Integrations
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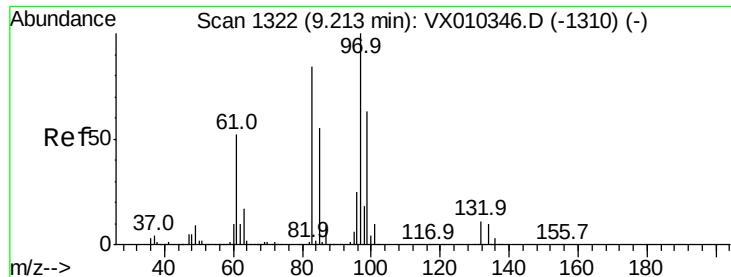
MMDadoda
 7/15/2019 11:01:11 AM



#54
 cis-1,3-Dichloropropene
 Concen: 42.815 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion: 75 Resp: 157741
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.2 37.8
 39 45.2 34.5 51.7





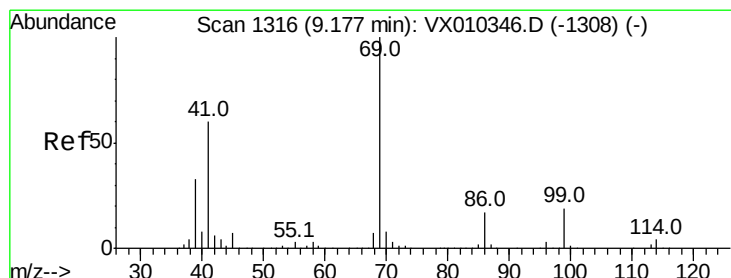
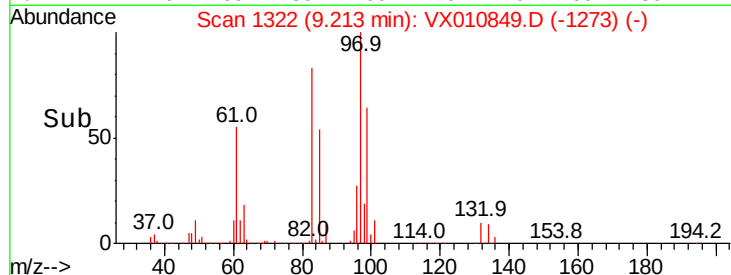
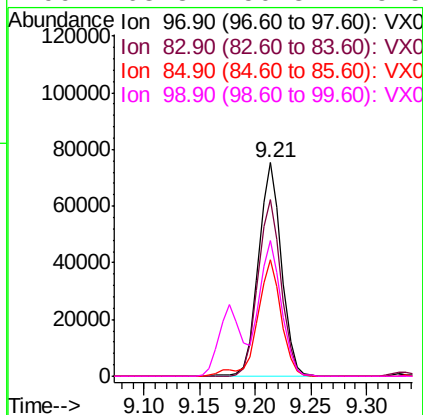
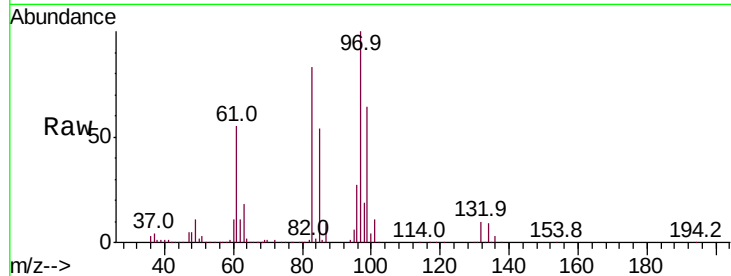
#55
 1,1,2-Trichloroethane
 Concen: 44.030 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	108908
Ion Ratio	100	Lower	Upper
97	100		
83	82.9	67.4	101.0
85	54.3	43.8	65.8
99	63.8	50.3	75.5

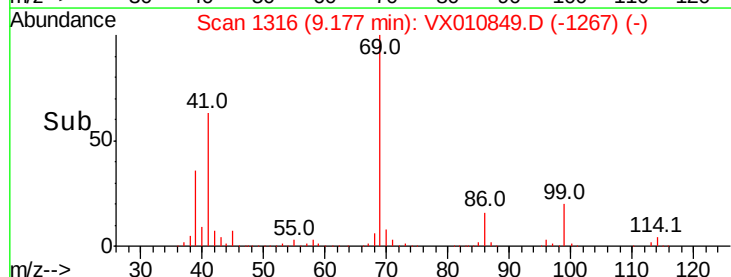
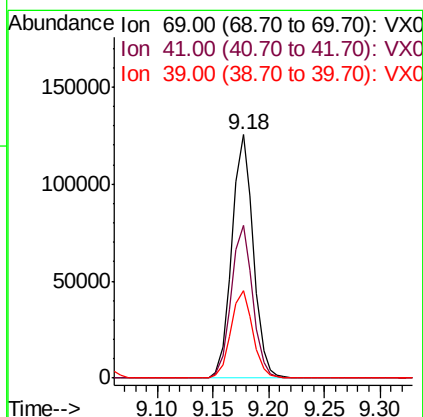
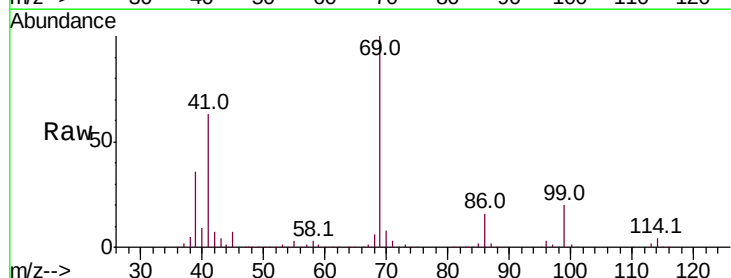
Manual Integrations
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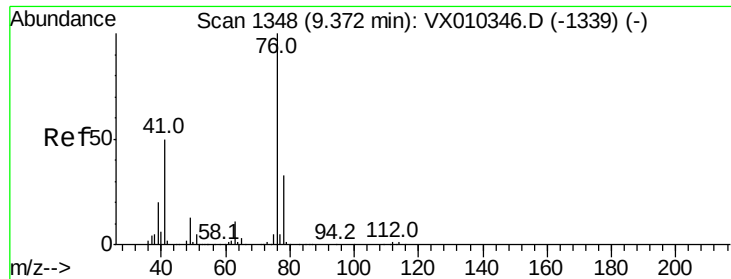
MMDadoda
 7/15/2019 11:01:11 AM



#56
 Ethyl methacrylate
 Concen: 44.529 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion	69	Resp	166848
Ion Ratio	100	Lower	Upper
69	100		
41	62.7	47.1	70.7
39	36.4	26.6	40.0





#57

1,3-Dichloropropane

Concen: 44.867 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 172269

Ion Ratio Lower Upper

76 100

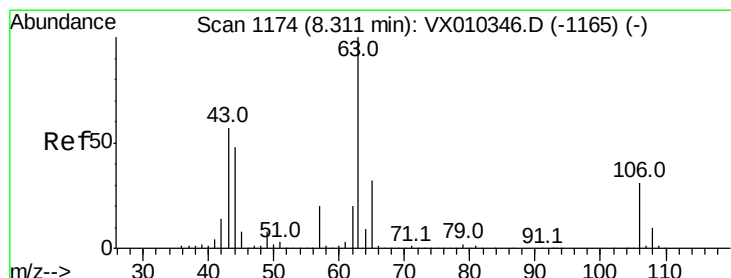
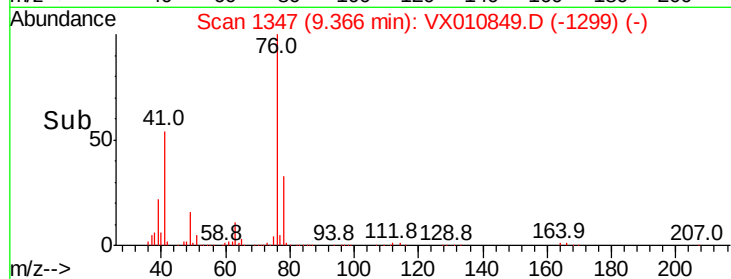
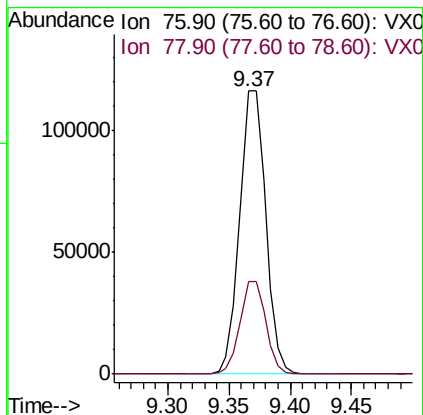
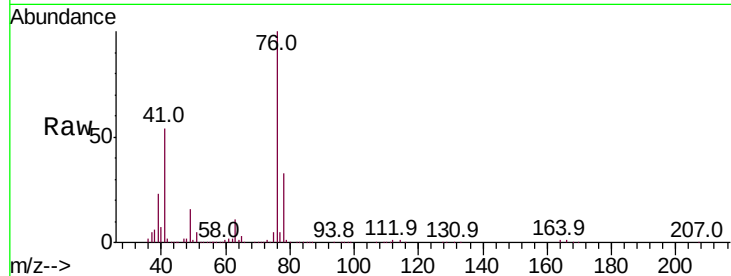
78 32.3 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 195.169 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010849.D

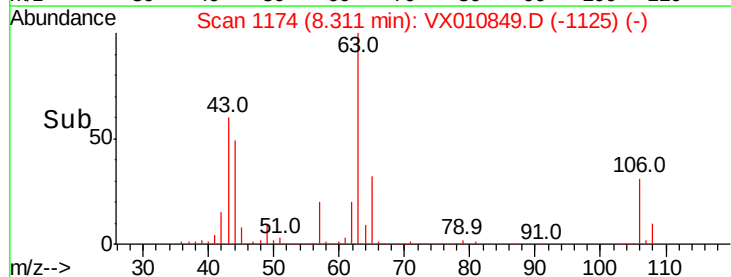
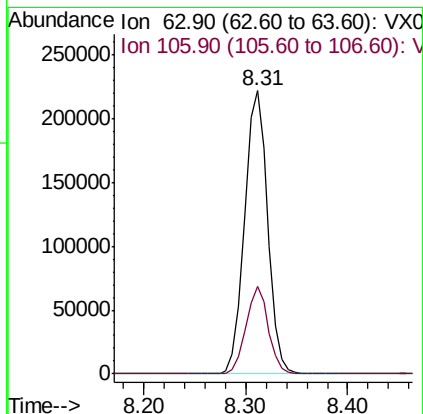
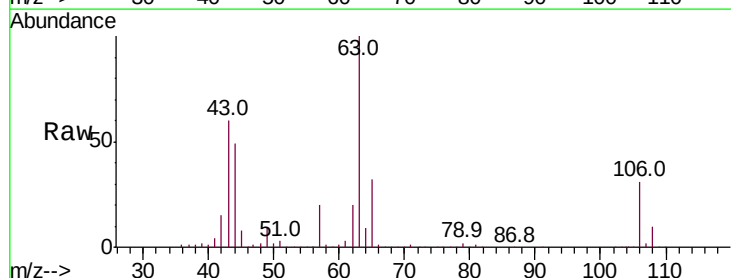
Acq: 12 Jul 2019 20:19

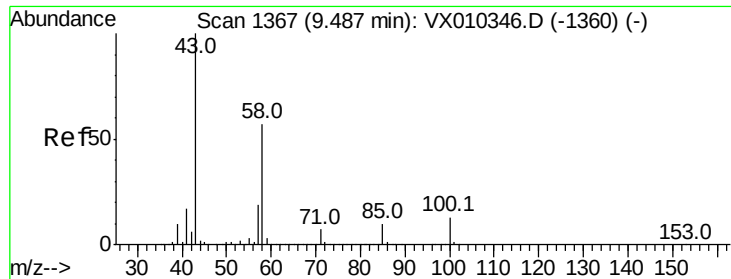
Tgt Ion: 63 Resp: 347311

Ion Ratio Lower Upper

63 100

106 30.1 24.7 37.1





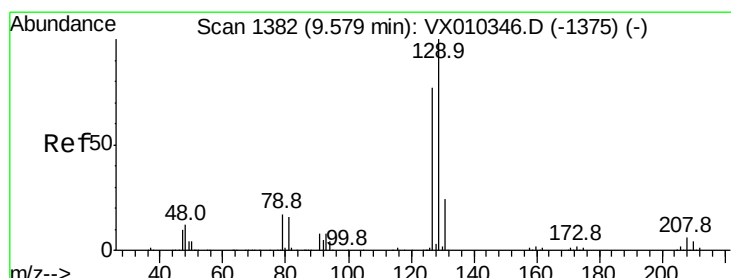
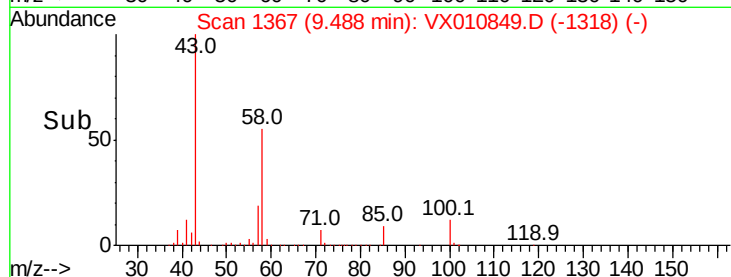
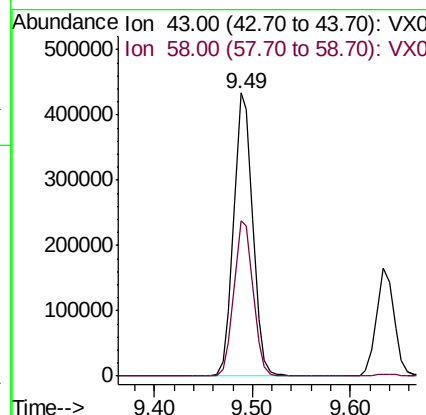
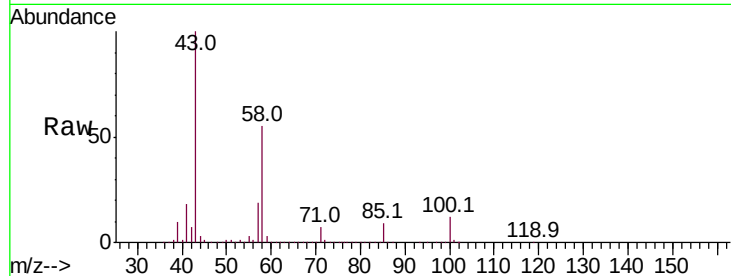
#59
2-Hexanone
Concen: 234.321 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 586848
Ion Ratio Lower Upper
43 100
58 55.3 29.0 87.1

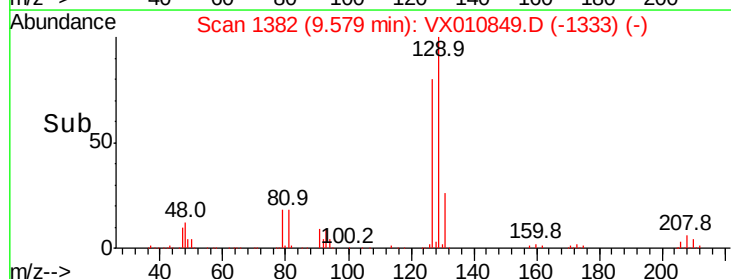
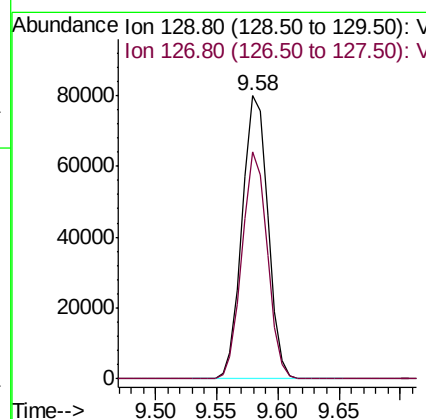
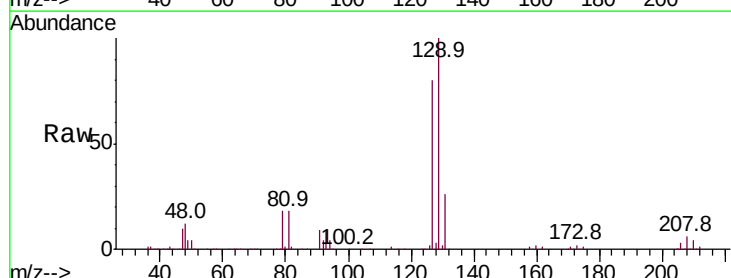
Manual Integrations
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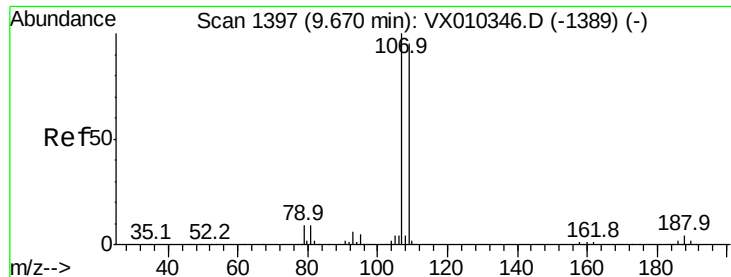
MMDadoda
7/15/2019 11:01:11 AM



#60
Dibromochloromethane
Concen: 42.055 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 129 Resp: 116470
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 44.051 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 117609

Ion Ratio Lower Upper

107 100

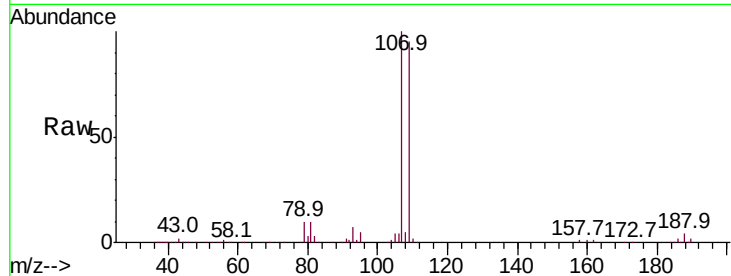
109 95.0 75.8 113.6

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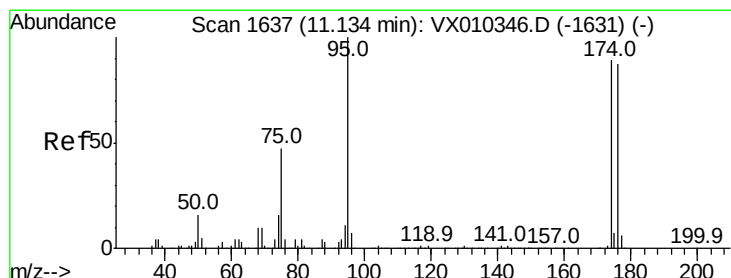
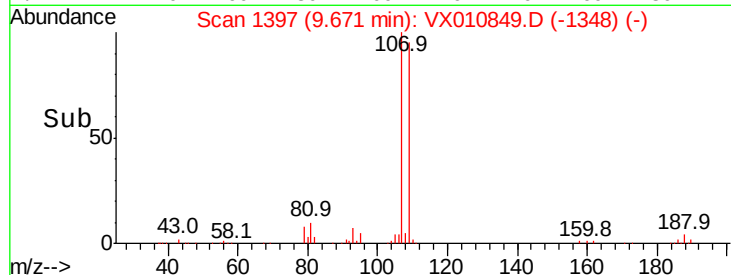
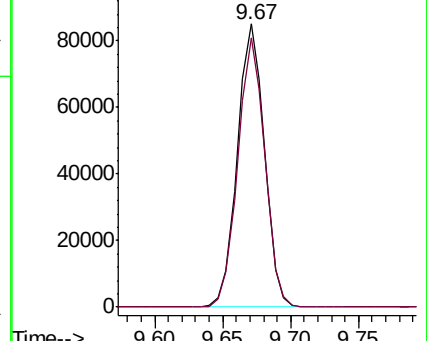
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.787 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

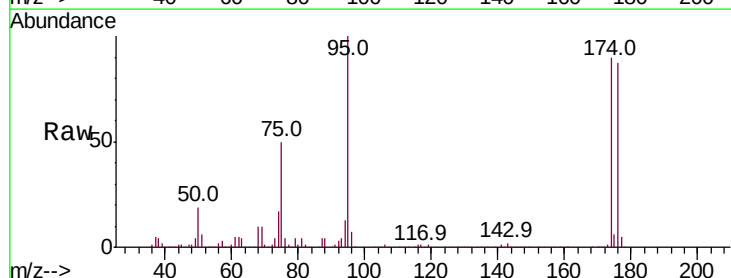
Tgt Ion: 95 Resp: 136123

Ion Ratio Lower Upper

95 100

174 91.9 0.0 187.6

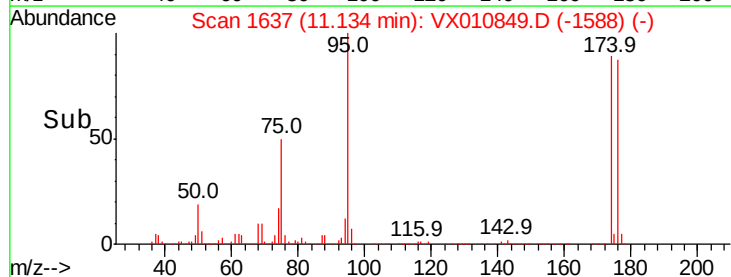
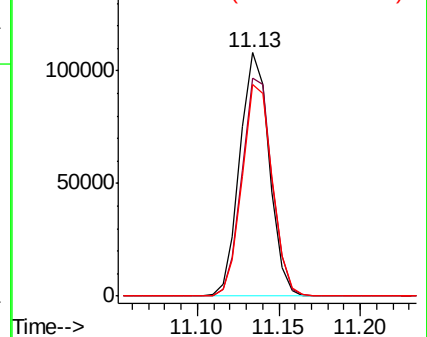
176 89.2 0.0 184.0

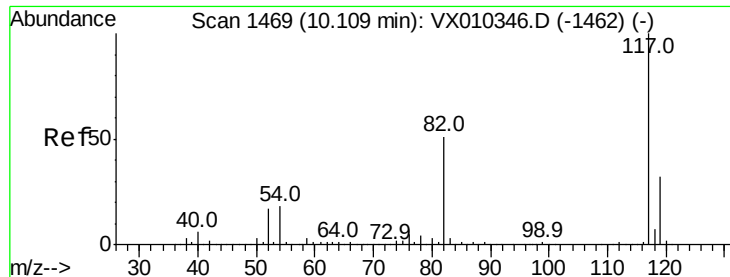


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





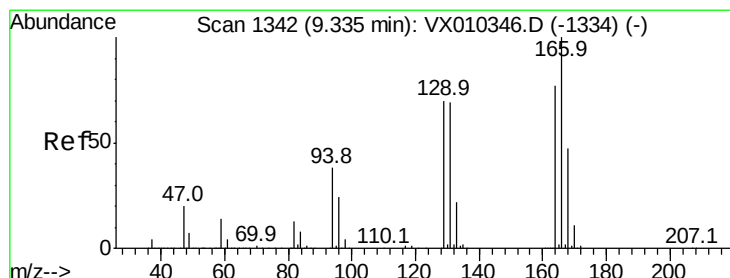
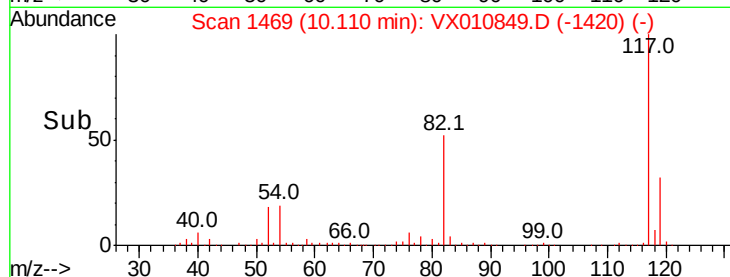
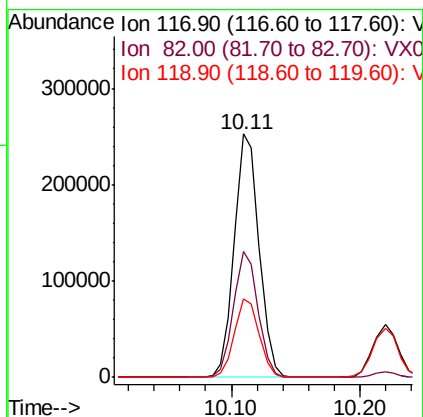
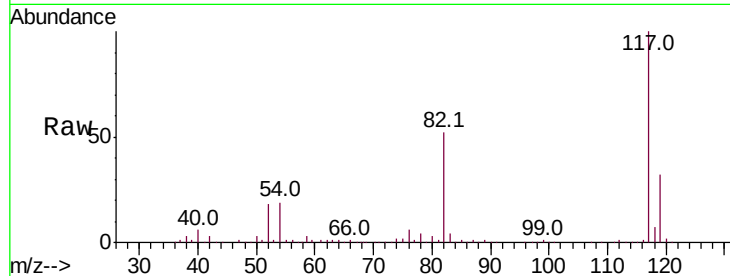
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.2	61.8
119	32.4	25.5	38.3

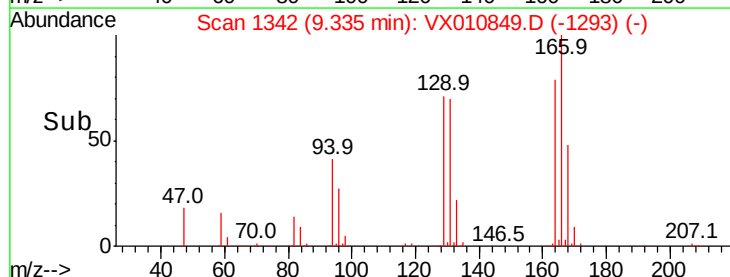
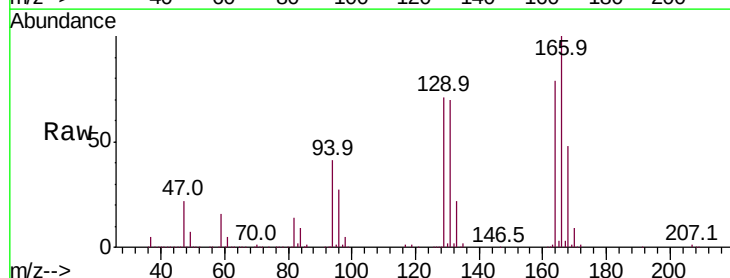
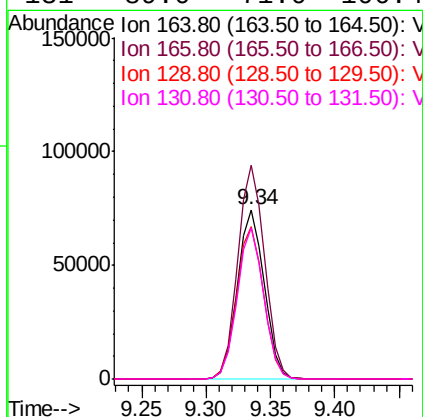
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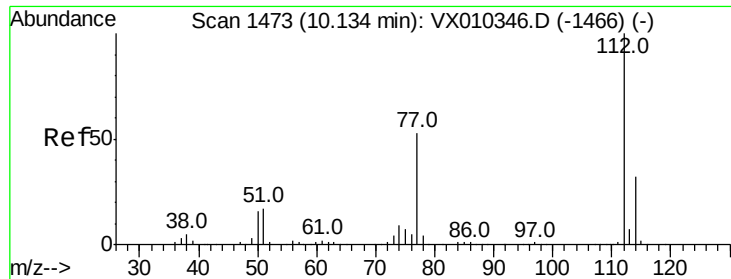
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#64
Tetrachloroethene
Concen: 39.049 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.6	155.4
129	89.8	73.0	109.4
131	89.0	71.0	106.4





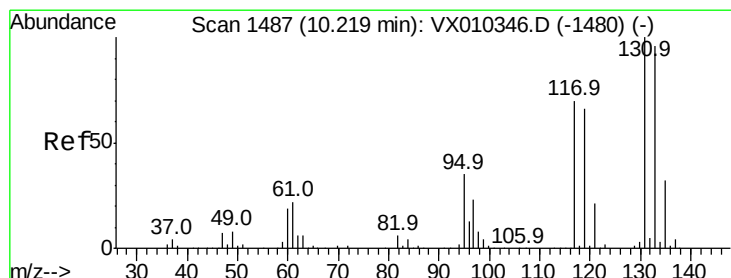
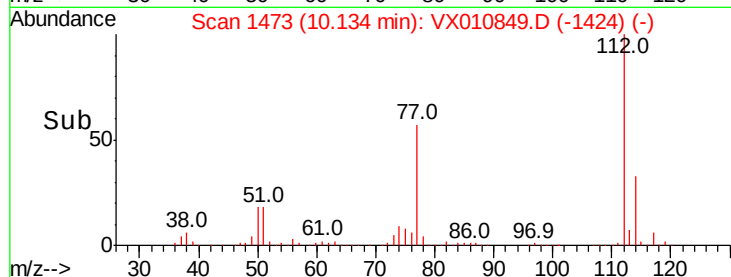
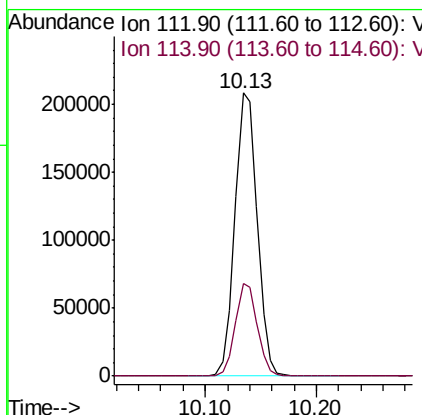
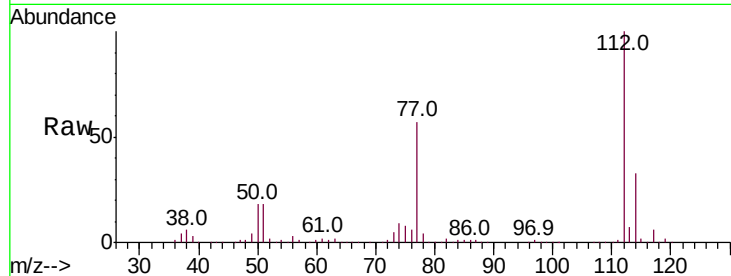
#65
Chlorobenzene
Concen: 41.834 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 289540
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2

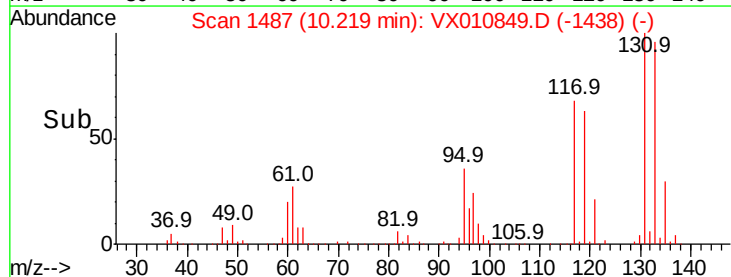
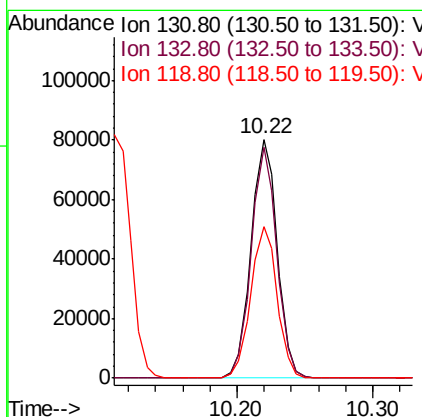
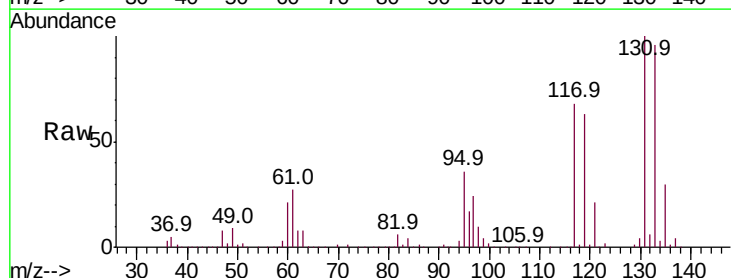
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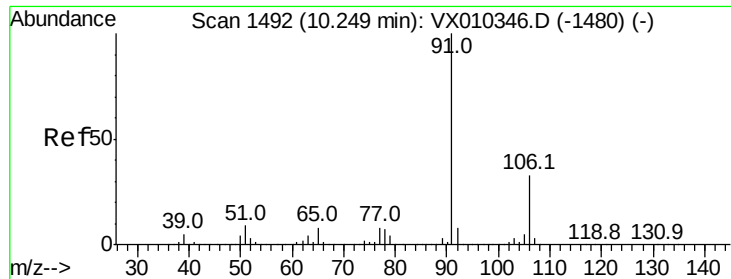
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#66
1,1,1,2-Tetrachloroethane
Concen: 43.135 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion:131 Resp: 108747
Ion Ratio Lower Upper
131 100
133 94.1 47.7 143.1
119 64.0 32.6 97.7





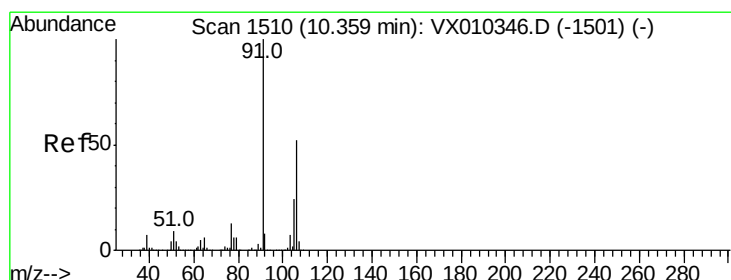
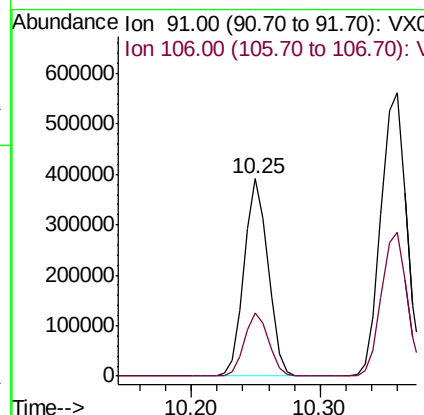
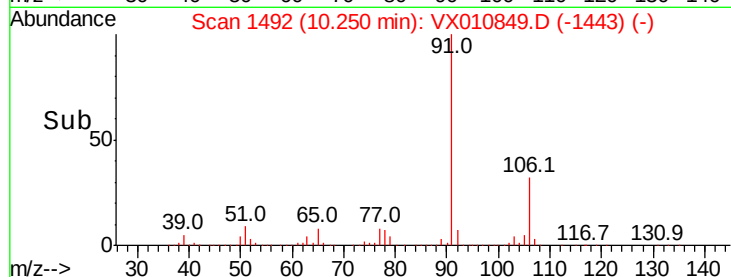
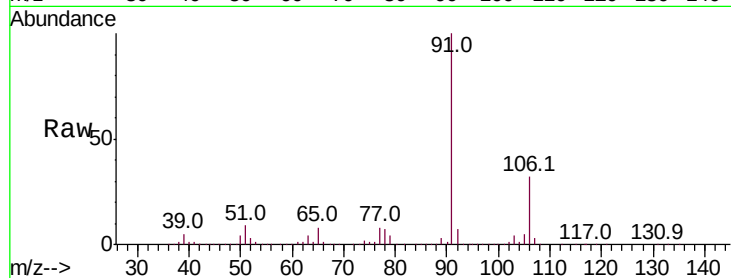
#67
Ethyl Benzene
Concen: 43.283 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 505738
Ion Ratio Lower Upper
91 100
106 32.0 26.2 39.2

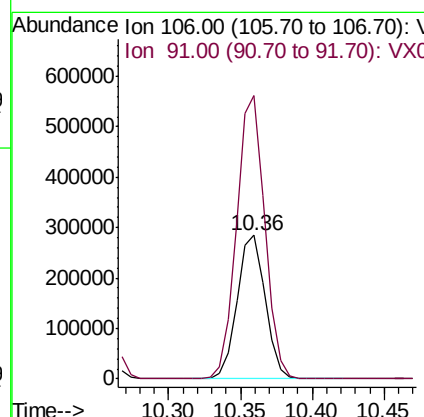
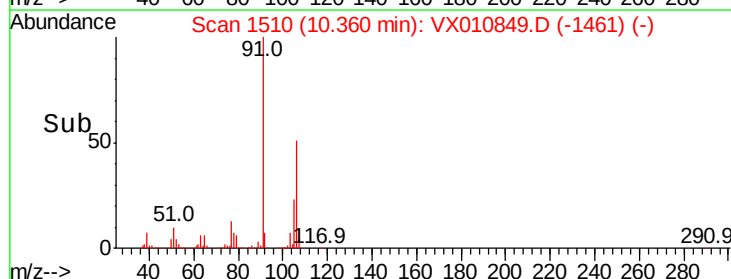
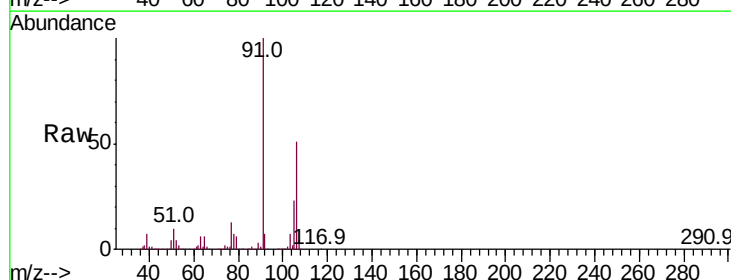
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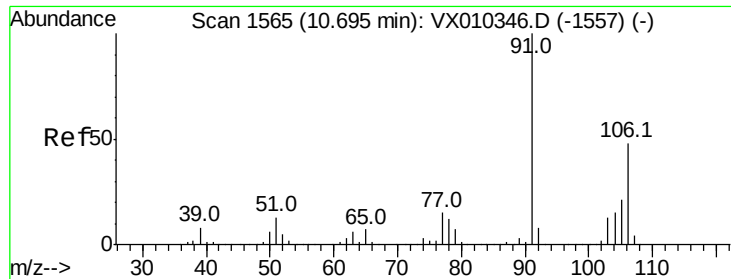
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#68
m/p-Xylenes
Concen: 85.922 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 106 Resp: 389006
Ion Ratio Lower Upper
106 100
91 198.2 155.3 232.9





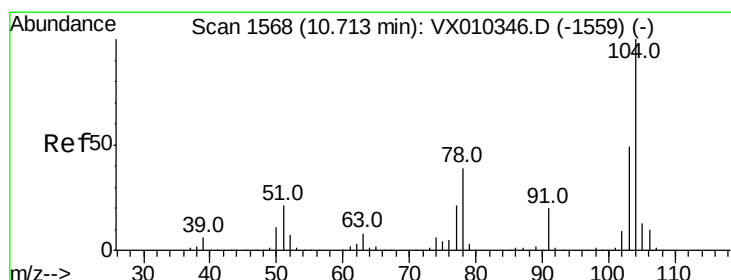
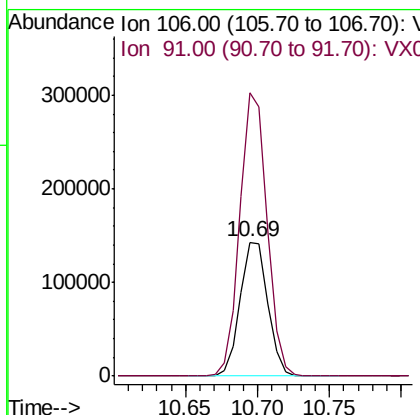
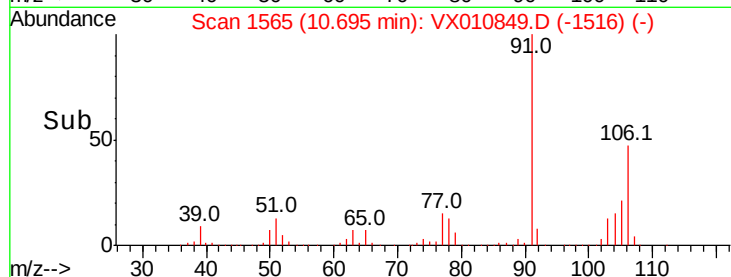
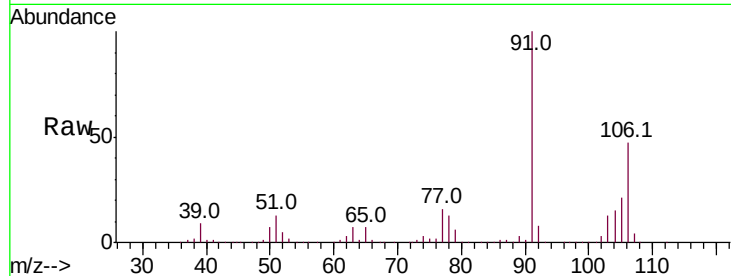
#69
o-Xylene
Concen: 42.894 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 190979
Ion Ratio Lower Upper
106 100
91 207.8 102.7 308.1

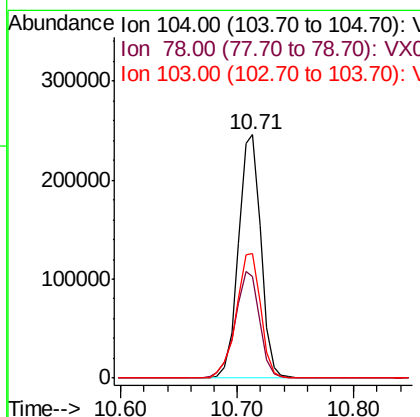
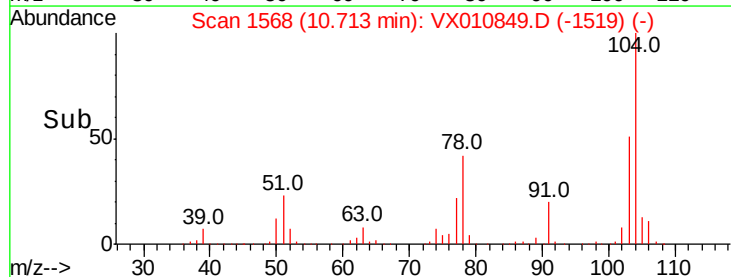
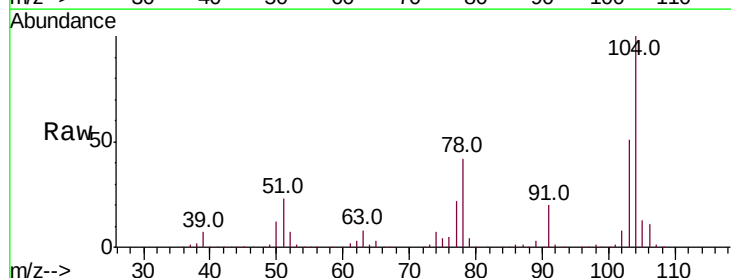
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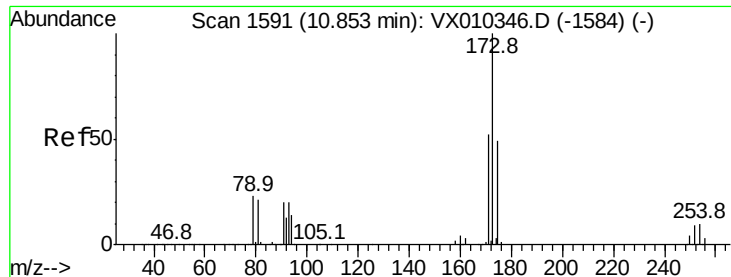
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#70
Styrene
Concen: 44.159 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion:104 Resp: 329724
Ion Ratio Lower Upper
104 100
78 47.7 36.2 54.2
103 55.6 44.2 66.4





#71

Bromoform

Concen: 40.686 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 89198

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.3

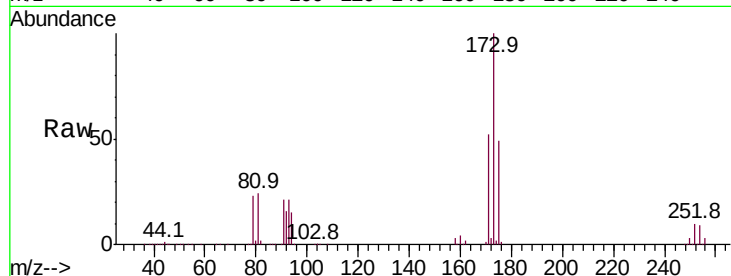
254 0.1 0.2 0.2#

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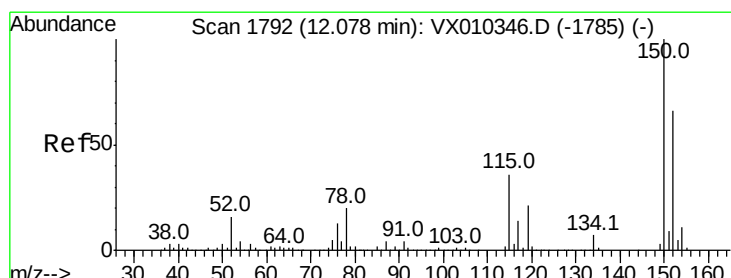
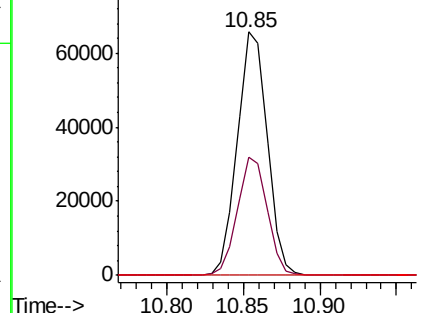
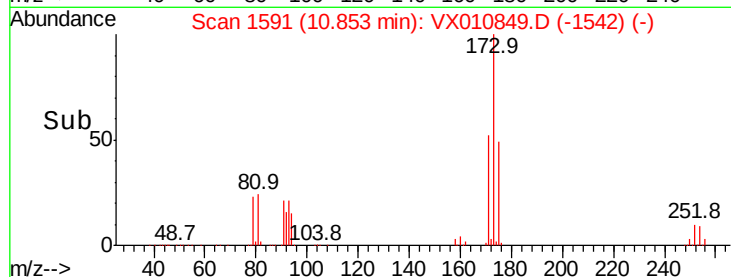
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

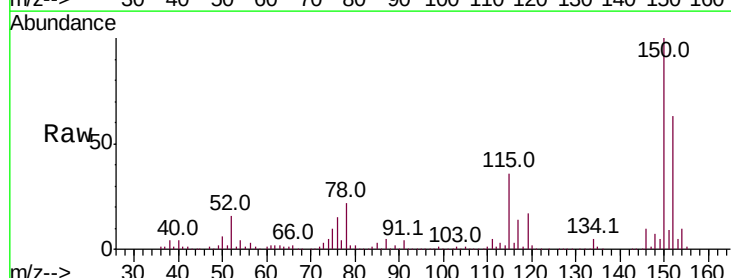
Tgt Ion:152 Resp: 177840

Ion Ratio Lower Upper

152 100

115 75.7 38.6 115.7

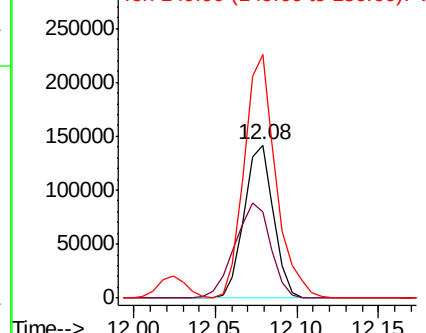
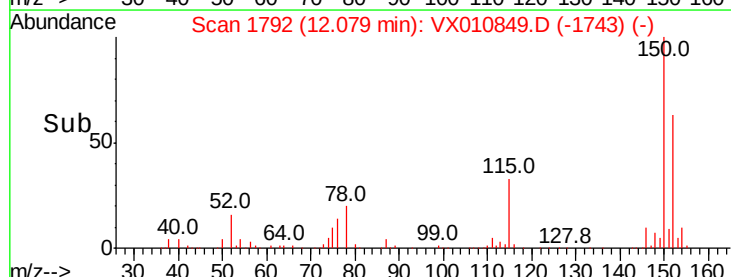
150 171.3 0.0 347.4

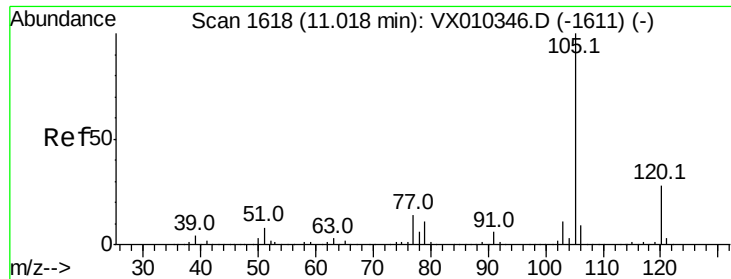


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 42.630 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 513923

Ion Ratio Lower Upper

105 100

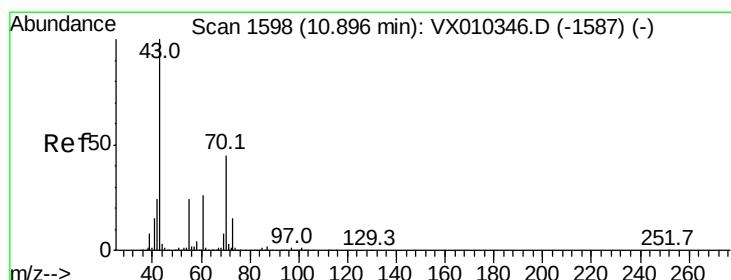
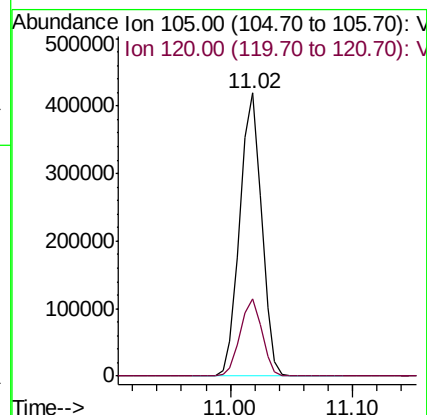
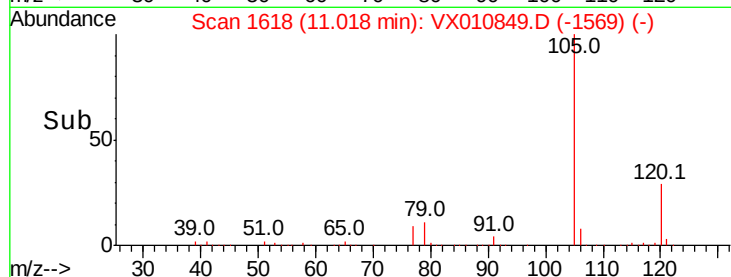
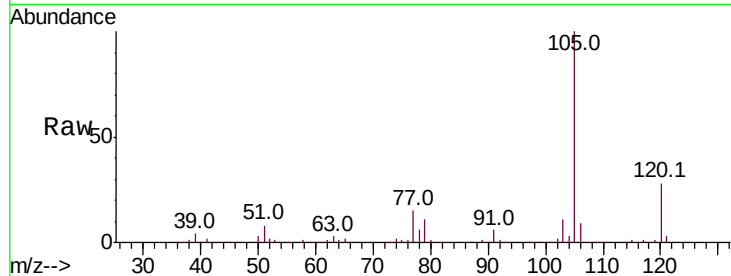
120 27.4 14.1 42.4

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#74

N-ethyl acetate

Concen: 46.851 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion: 43 Resp: 213451

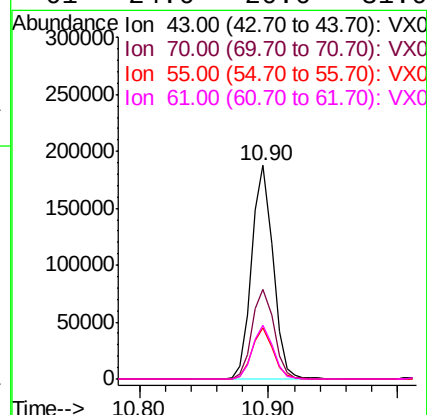
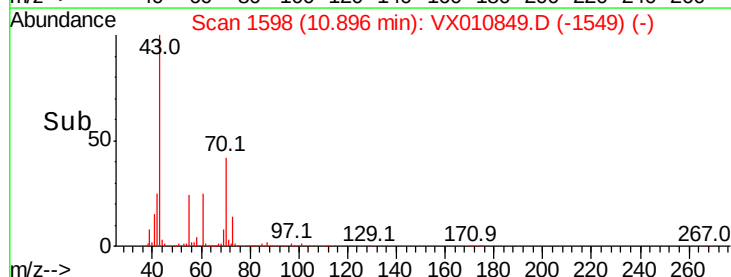
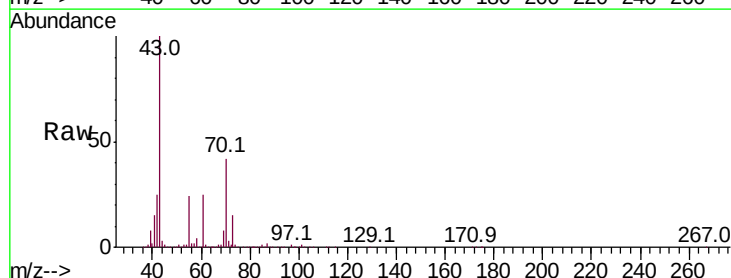
Ion Ratio Lower Upper

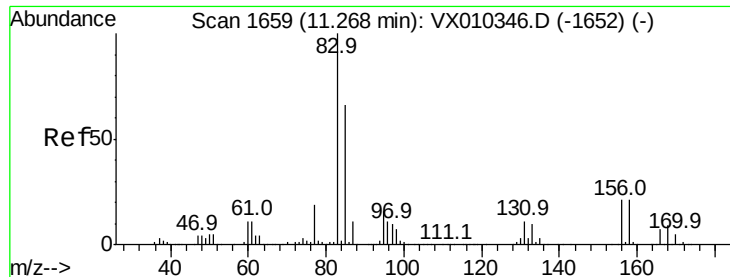
43 100

70 43.1 36.6 54.8

55 24.0 18.7 28.1

61 24.6 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 43.809 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 174905

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

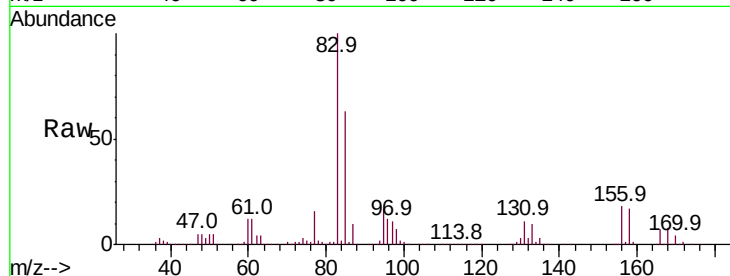
85 64.6 32.3 96.8

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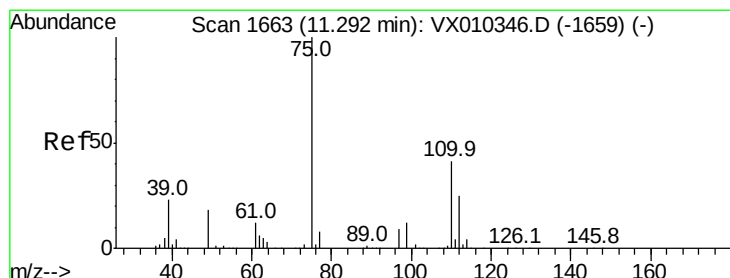
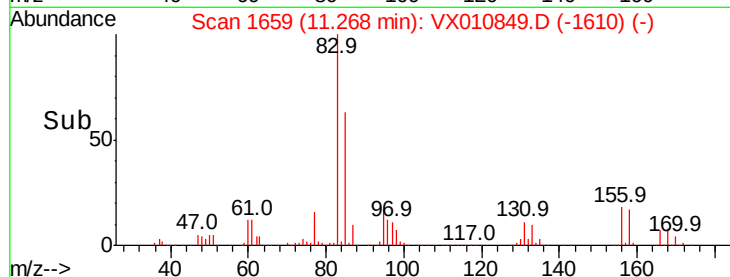
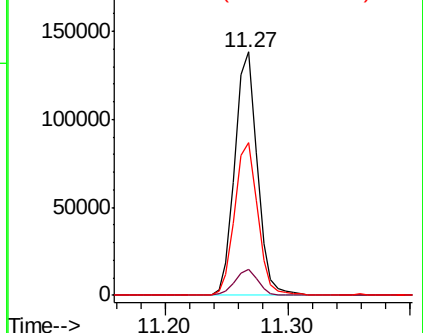
7/15/2019 11:01:11 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 43.731 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010849.D

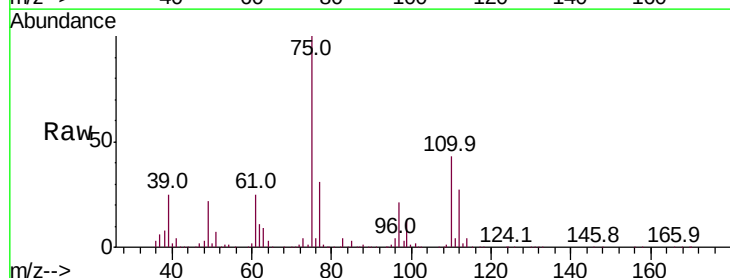
Acq: 12 Jul 2019 20:19

Tgt Ion: 75 Resp: 141721

Ion Ratio Lower Upper

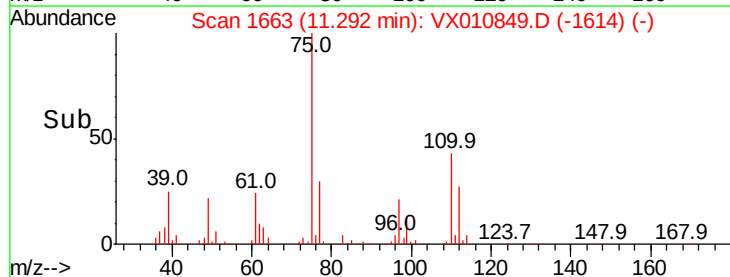
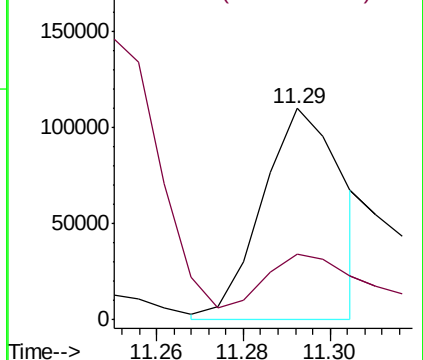
75 100

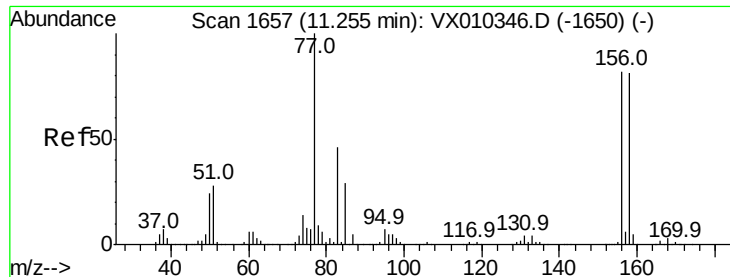
77 42.2 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 41.128 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 138446

Ion Ratio Lower Upper

156 100

77 137.7 66.3 198.7

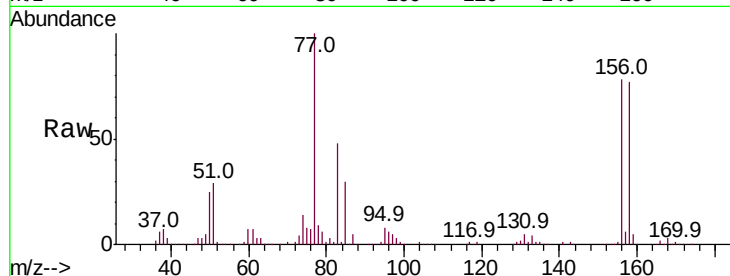
158 97.6 48.9 146.7

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Abundance Ion 155.80 (155.50 to 156.50): V

200000 Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

150000

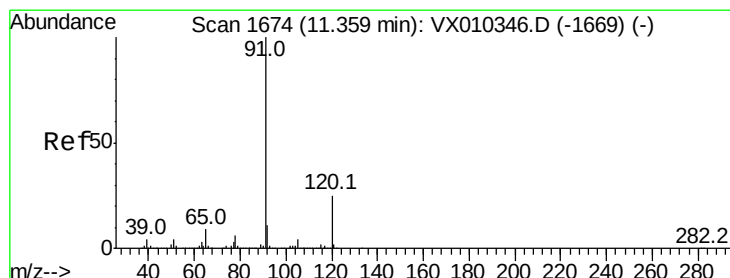
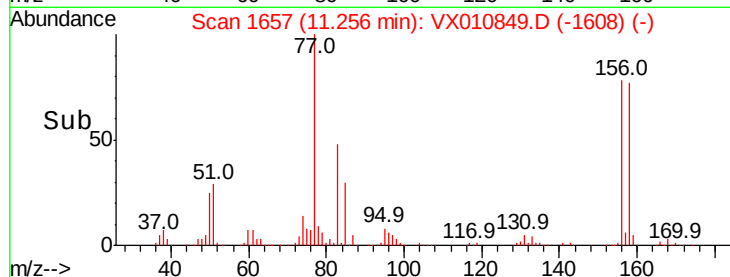
100000

50000

0

11.20 11.26 11.30

Time-->



#78

n-propylbenzene

Concen: 43.460 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010849.D

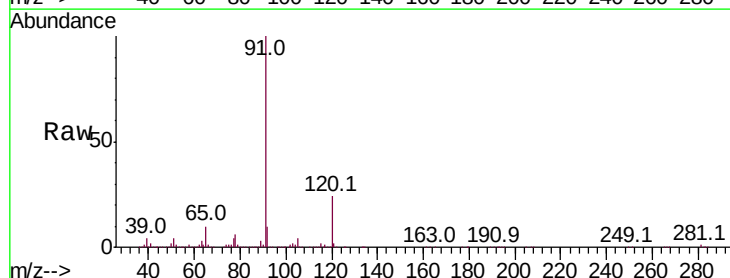
Acq: 12 Jul 2019 20:19

Tgt Ion: 91 Resp: 575815

Ion Ratio Lower Upper

91 100

120 24.3 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

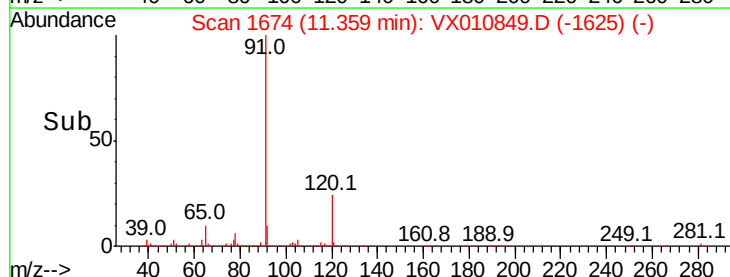
200000

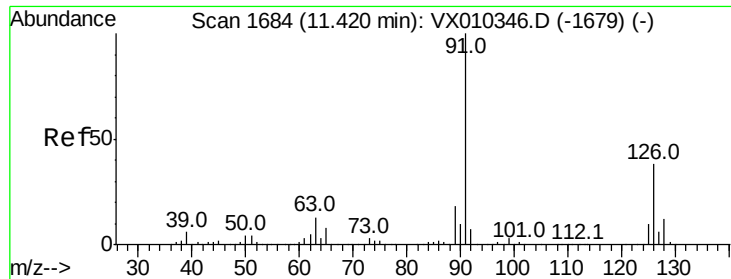
100000

0

11.30 11.35 11.40

Time-->





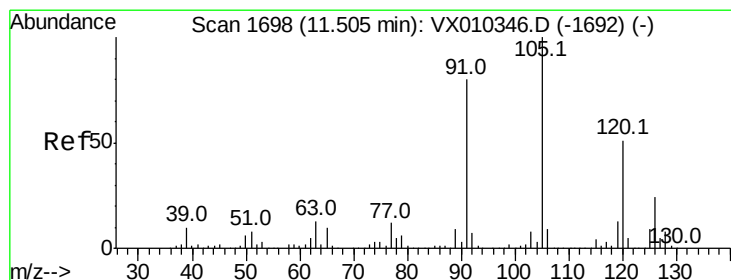
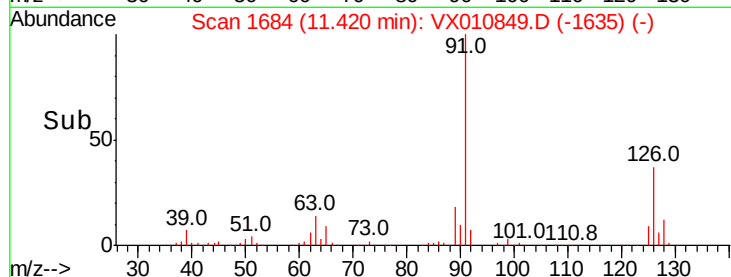
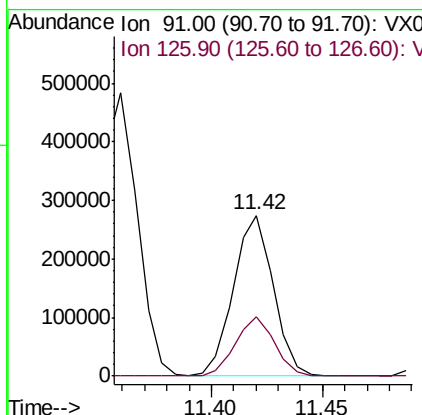
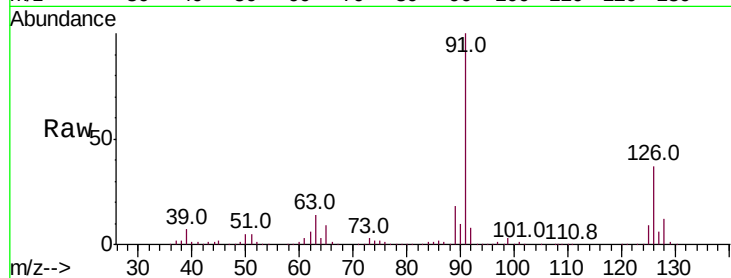
#79
 2-Chlorotoluene
 Concen: 43.238 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 341135
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.7 56.1

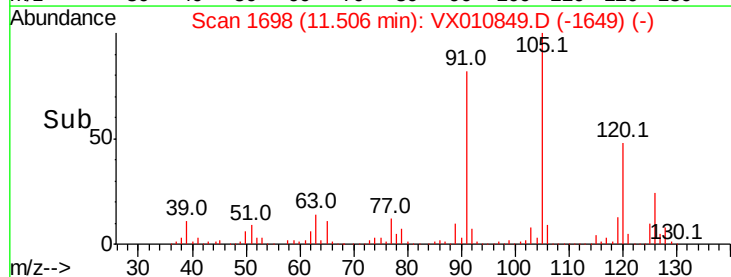
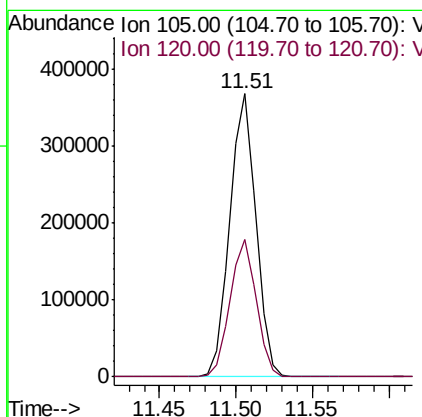
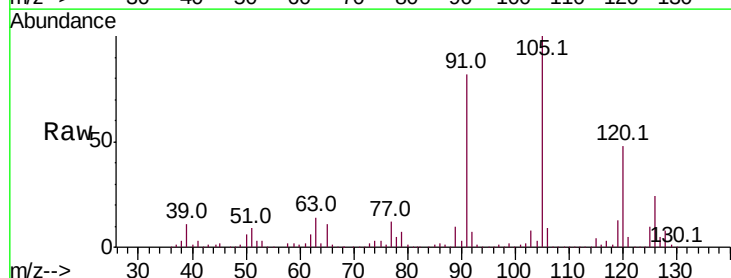
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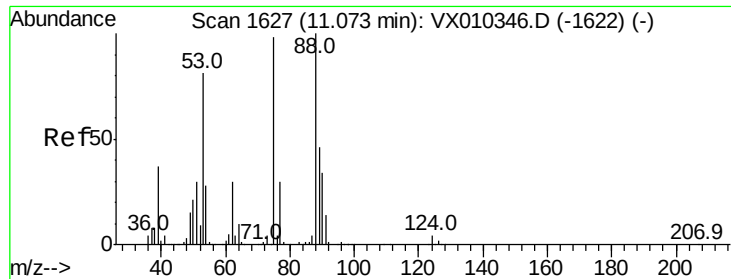
MMDadoda
 7/15/2019 11:01:11 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 43.829 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion: 105 Resp: 435581
 Ion Ratio Lower Upper
 105 100
 120 48.7 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 35.195 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

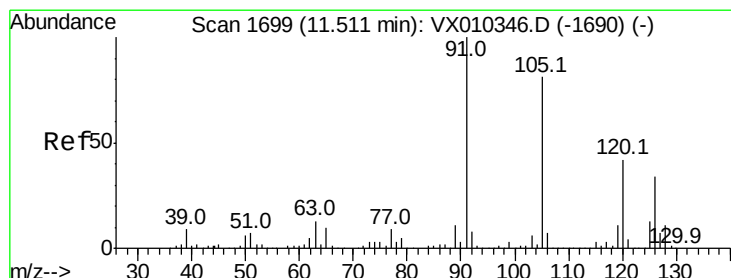
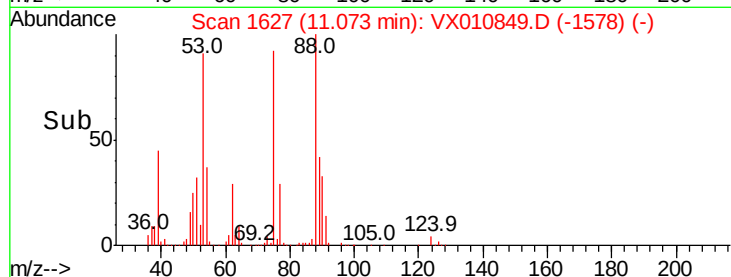
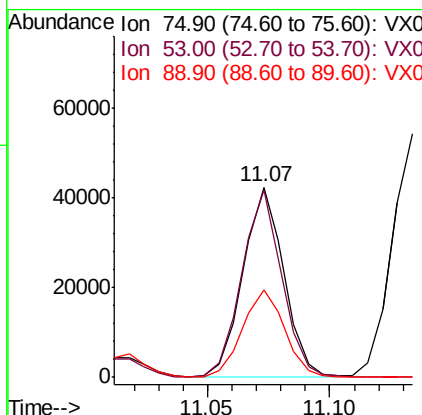
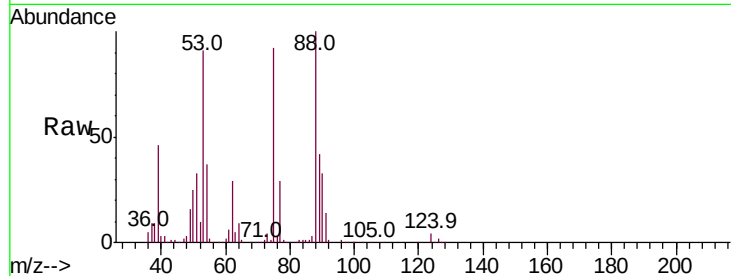
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	48890
Ion	Ratio	Lower	Upper
75	100		
53	96.9	66.1	99.1
89	47.7	37.8	56.6

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#82

4-Chlorotoluene

Concen: 44.500 ug/l

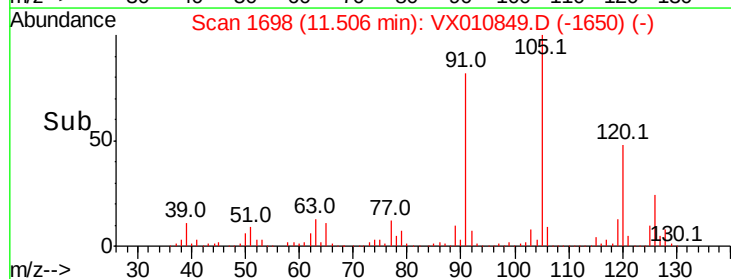
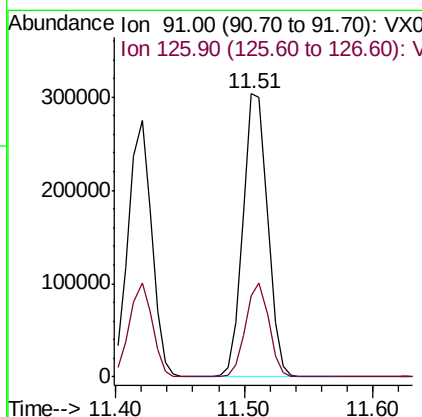
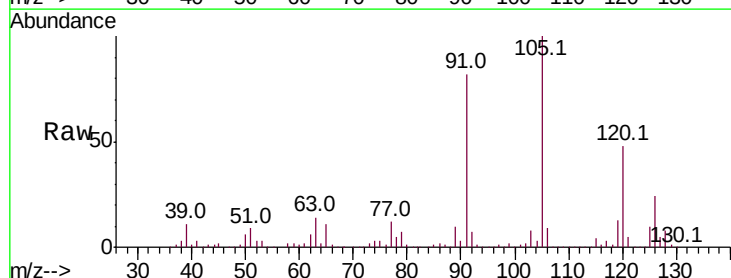
RT: 11.51 min Scan# 1698

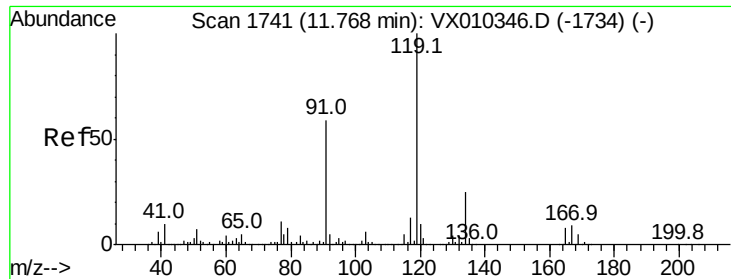
Delta R.T. -0.01 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion:	91	Resp:	399508
Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.2	48.6





#83

tert-Butylbenzene

Concen: 43.036 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 429278

Ion Ratio Lower Upper

119 100

91 56.7 27.6 82.7

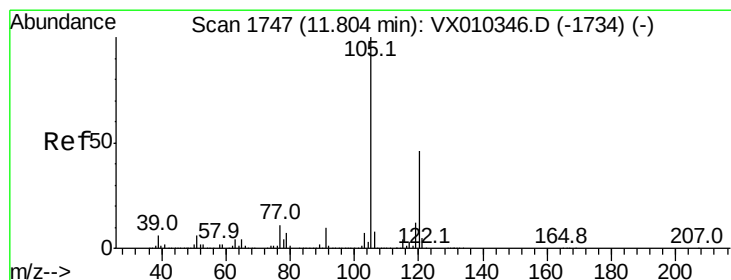
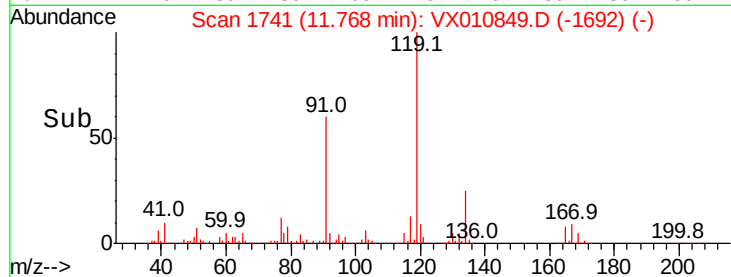
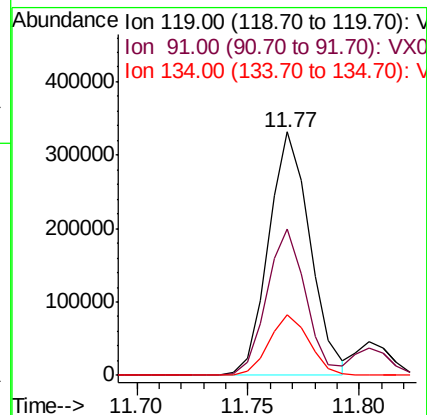
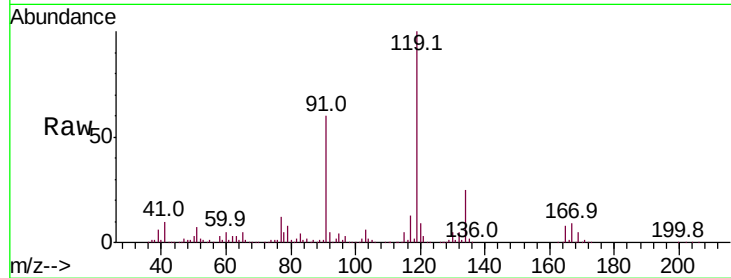
134 23.8 11.8 35.4

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#84

1,2,4-Trimethylbenzene

Concen: 44.072 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010849.D

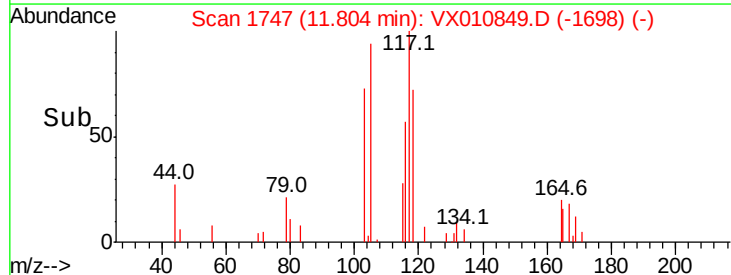
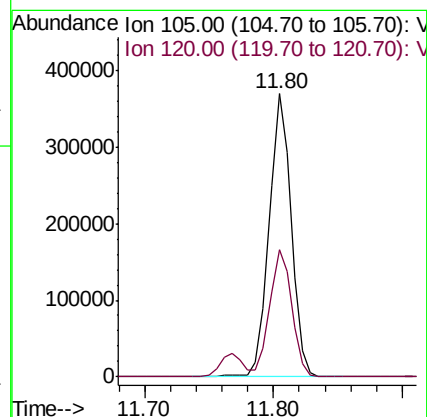
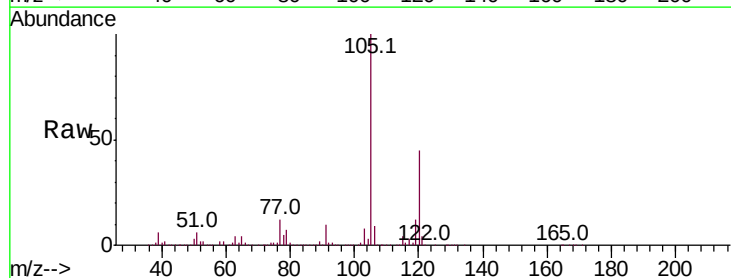
Acq: 12 Jul 2019 20:19

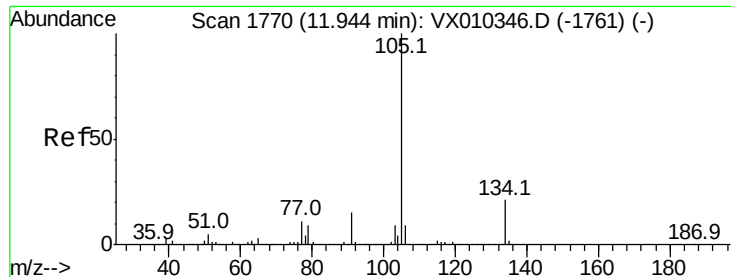
Tgt Ion:105 Resp: 440046

Ion Ratio Lower Upper

105 100

120 44.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 43.397 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 508251

Ion Ratio Lower Upper

105 100

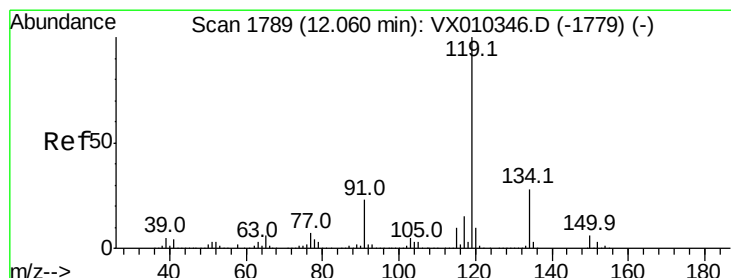
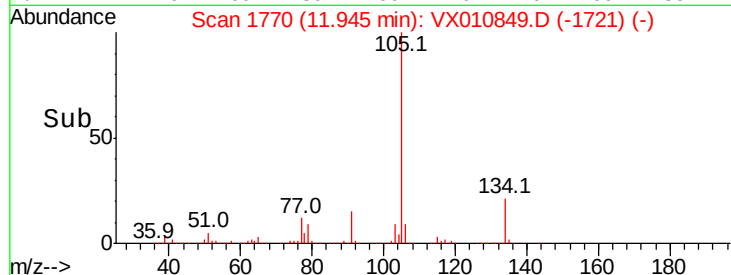
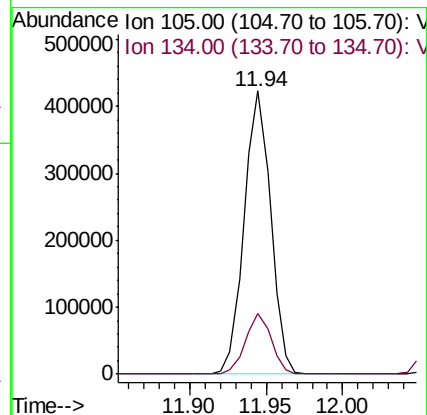
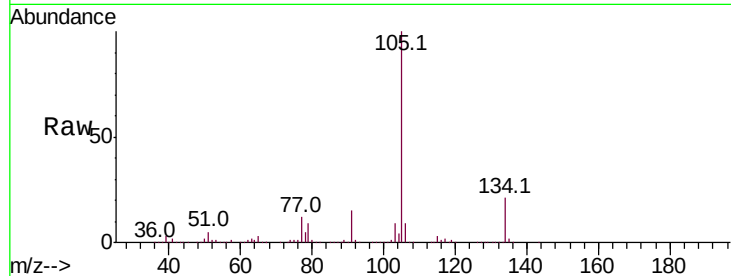
134 20.9 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 43.441 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

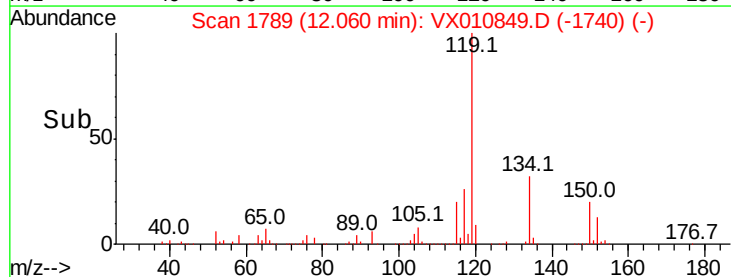
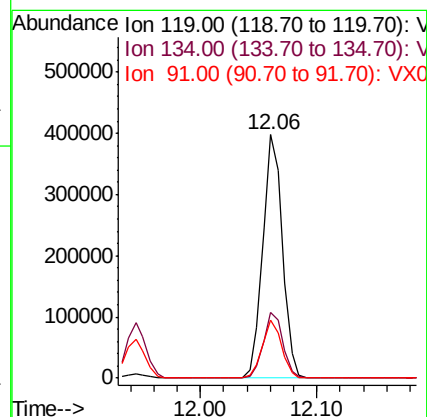
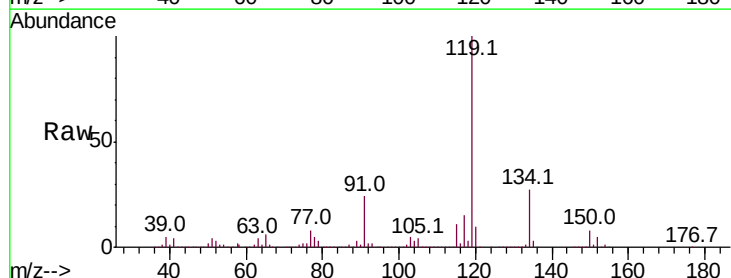
Tgt Ion:119 Resp: 470599

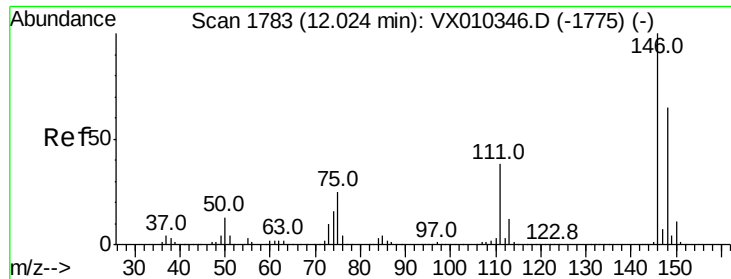
Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.1

91 23.3 11.3 33.8





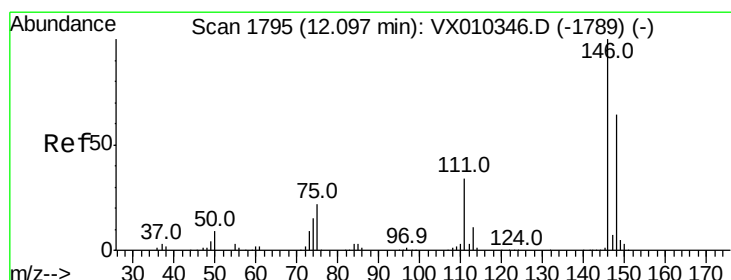
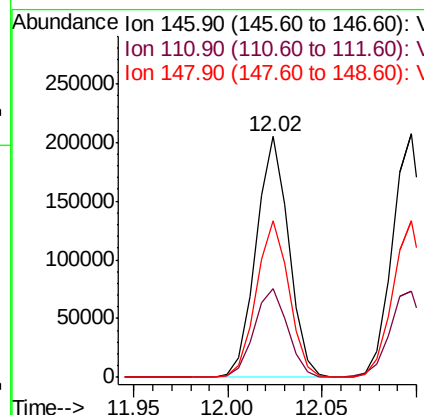
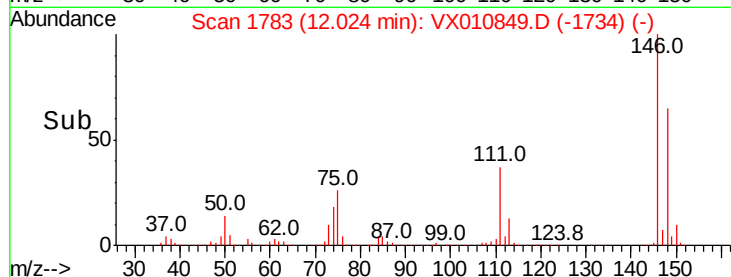
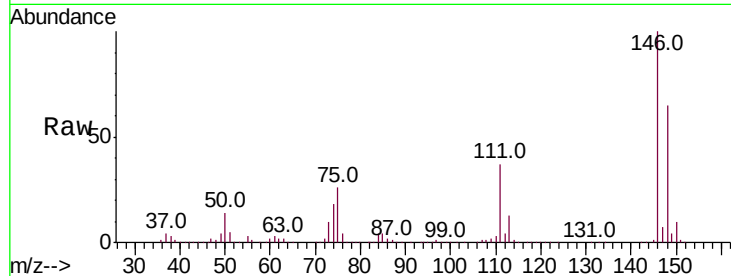
#87
 1,3-Dichlorobenzene
 Concen: 41.934 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	64.6	32.5	97.4

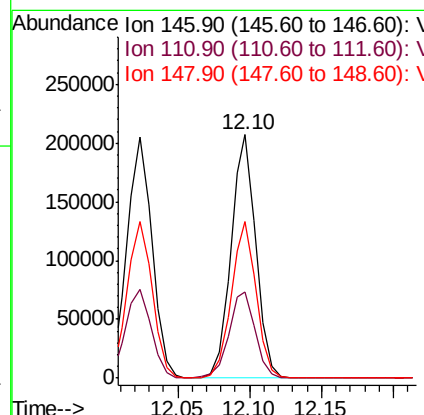
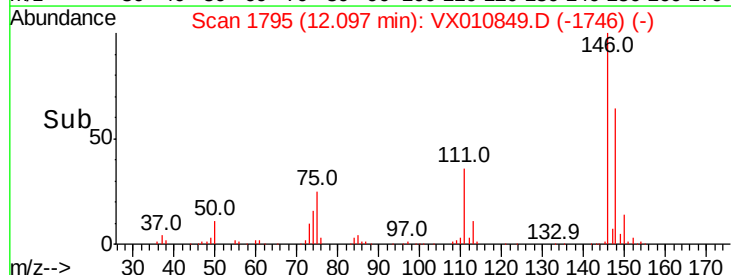
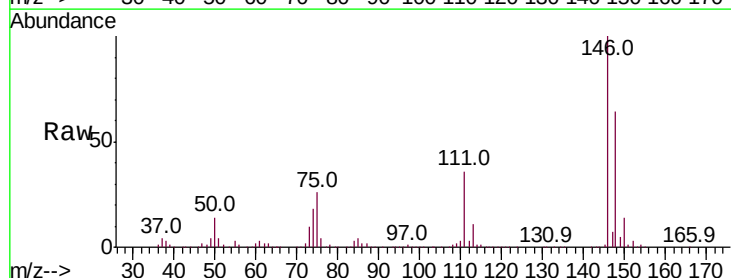
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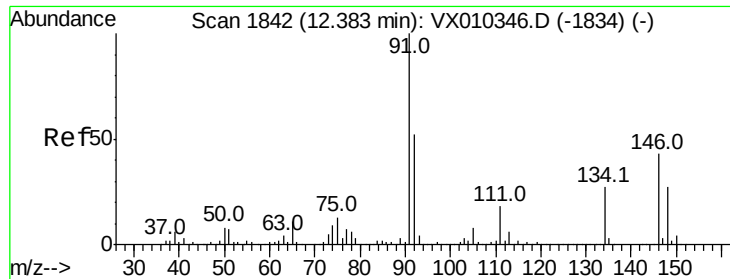
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 41.804 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.3
148	64.4	32.1	96.3





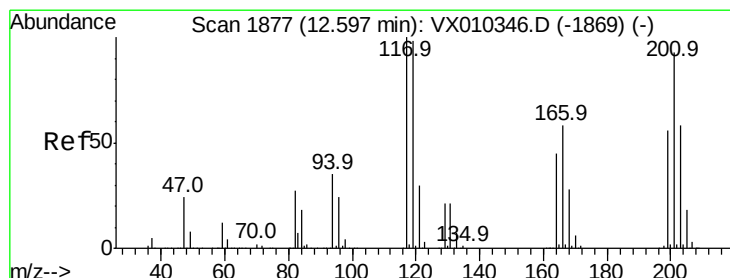
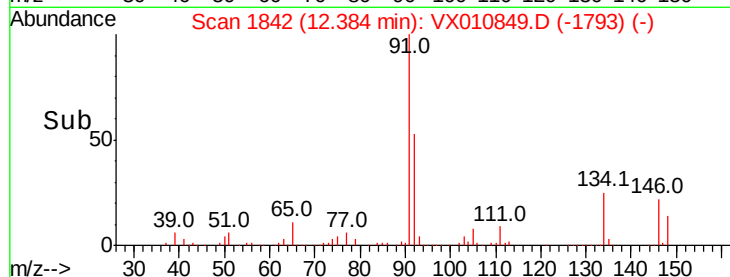
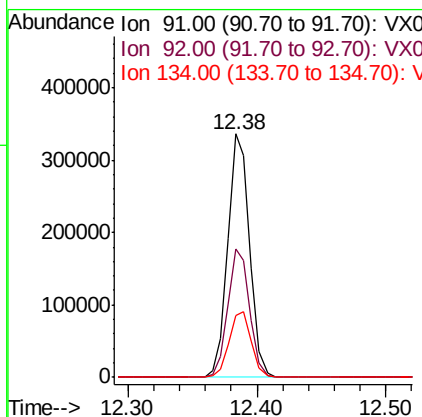
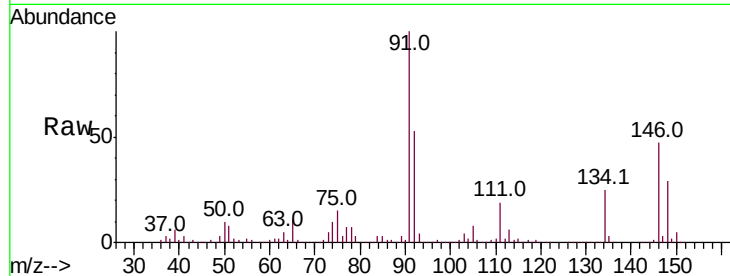
#89
n-Butylbenzene
Concen: 43.460 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	27.5	14.1	42.4

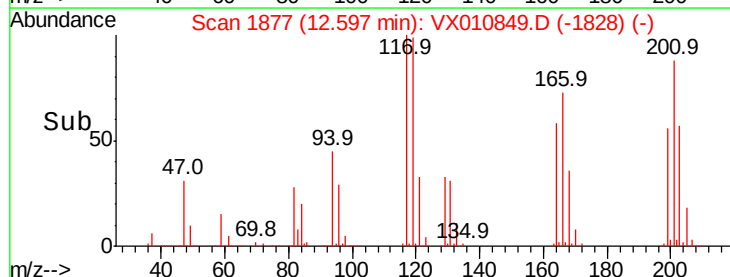
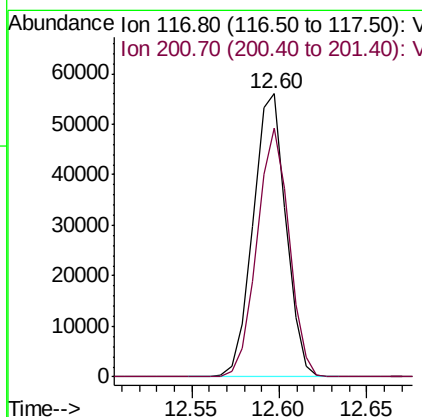
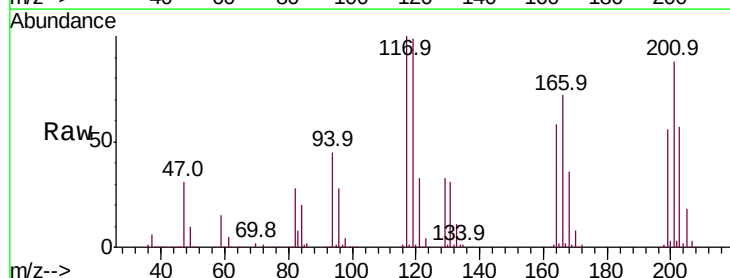
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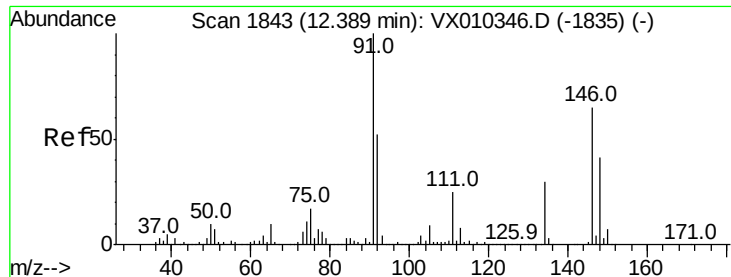
MMDadoda
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#90
Hexachloroethane
Concen: 39.012 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	44.0	131.8





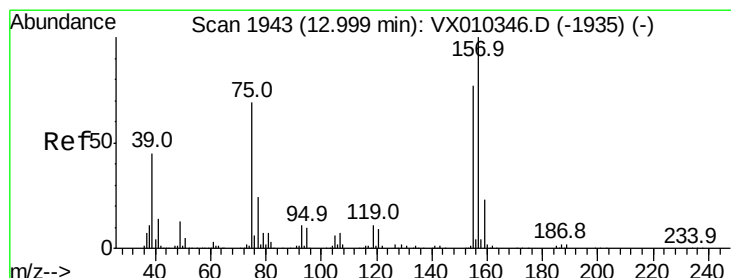
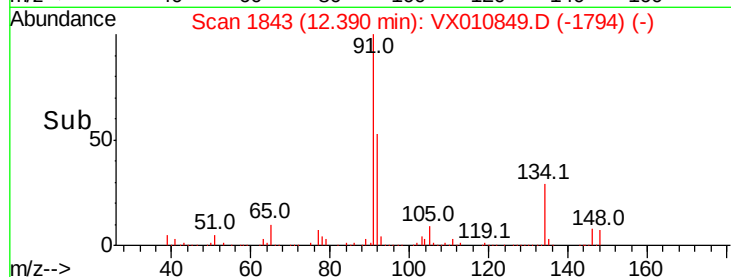
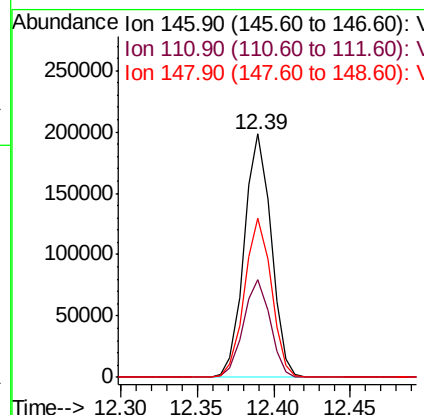
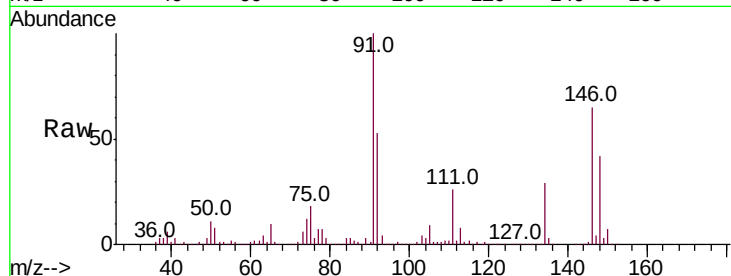
#91
 1,2-Dichlorobenzene
 Concen: 41.749 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.2	57.6
148	64.8	32.0	96.0

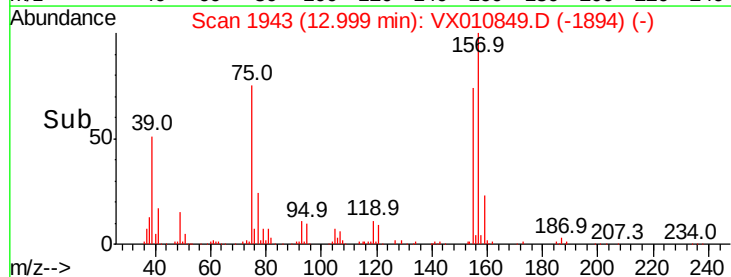
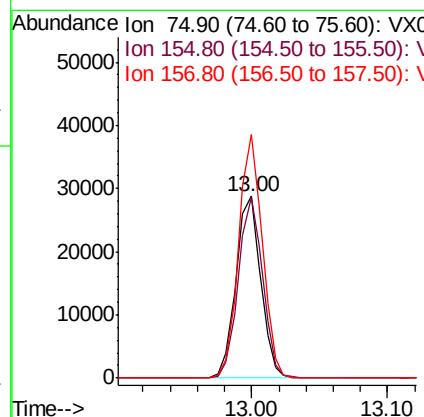
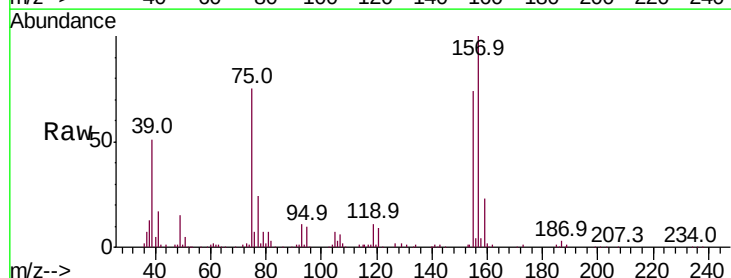
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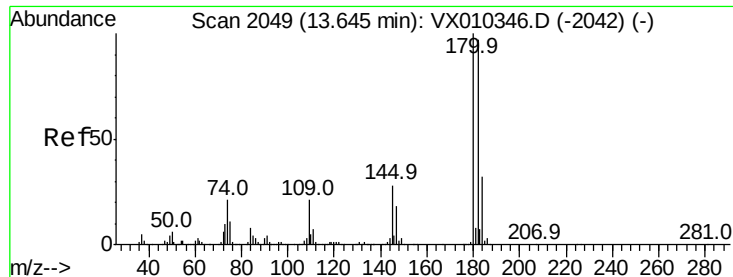
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.392 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	54.4	163.1
157	127.8	69.5	208.3





#93

1,2,4-Trichlorobenzene

Concen: 41.844 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

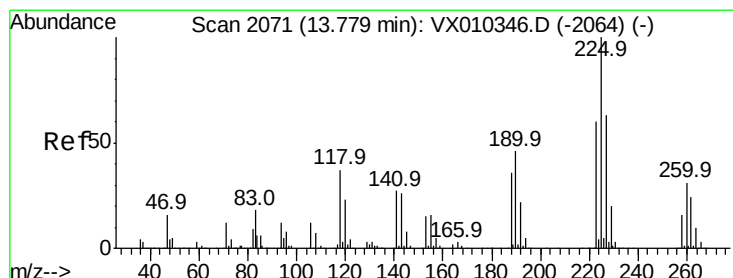
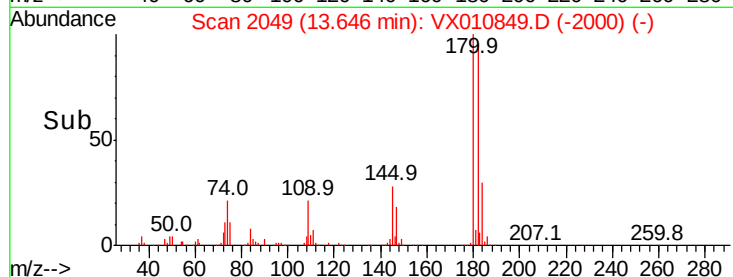
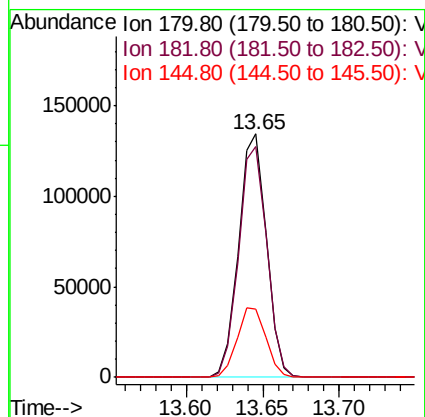
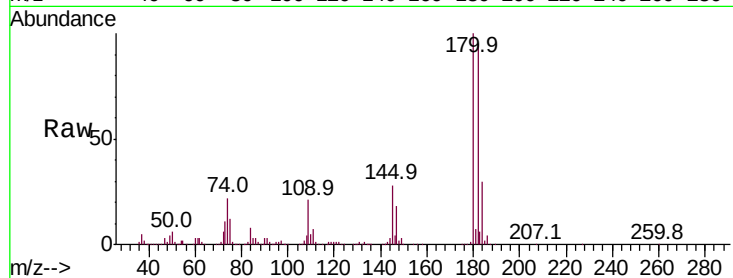
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	169465
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.0
145	29.6	14.4	43.4

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#94

Hexachlorobutadiene

Concen: 41.371 ug/l

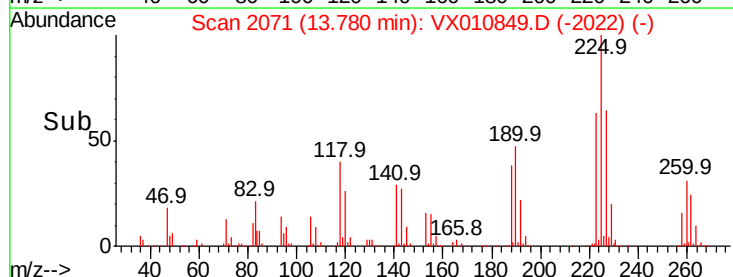
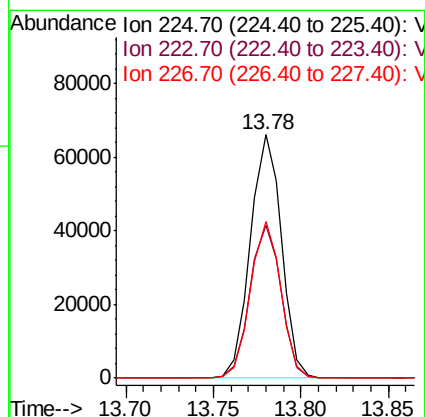
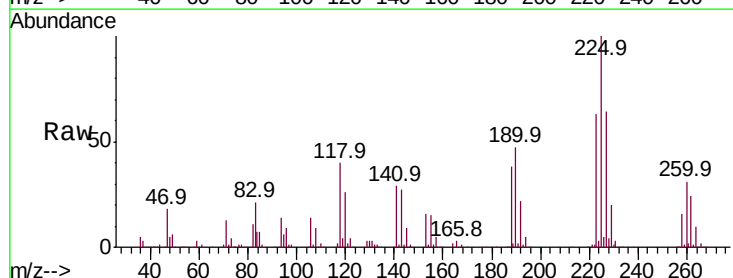
RT: 13.78 min Scan# 2071

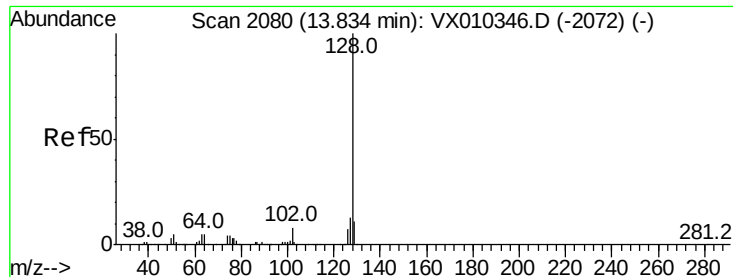
Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion:	225	Resp:	81886
Ion Ratio	Lower	Upper	
225	100		
223	63.0	30.9	92.7
227	63.1	31.9	95.5





#95

Naphthalene

Concen: 42.480 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

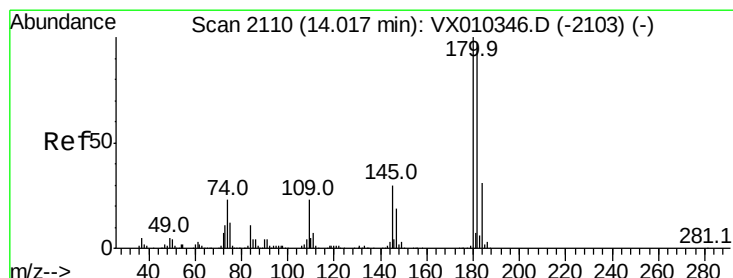
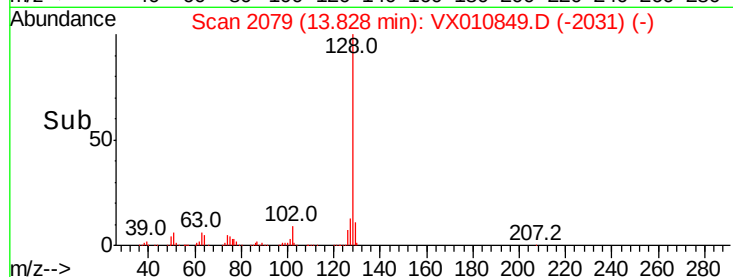
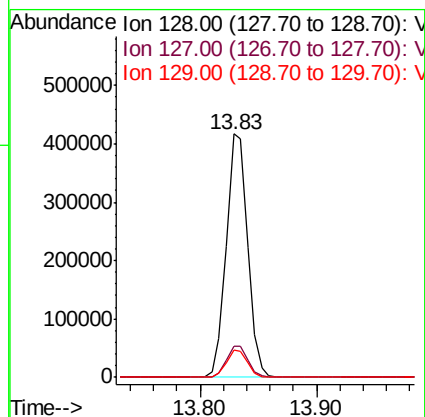
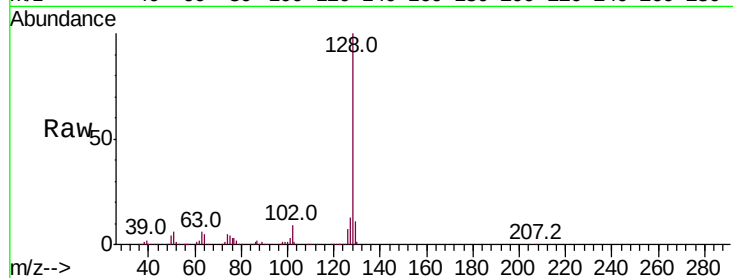
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	528685
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/15/2019 11:01:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 42.170 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion:	180	Resp:	169802
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.8	143.3
145	30.7	15.2	45.6

