

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002649.D
 Acq On : 16 Jun 2018 15:34
 Operator : JC/MD
 Sample : J3477-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MSD

Quant Time: Jun 18 06:14:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	164047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	281637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	171750	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	154357	61.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.84%	
35) Dibromofluoromethane	5.51	113	120950	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
50) Toluene-d8	8.72	98	423862	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.14	95	163305	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	57321	32.91	ug/l	100
3) Chloromethane	1.32	50	111915	54.02	ug/l	99
4) Vinyl Chloride	1.41	62	136377	63.44	ug/l	# 83
5) Bromomethane	1.64	94	55437	42.74	ug/l	98
6) Chloroethane	1.72	64	95935	67.71	ug/l	95
7) Trichlorofluoromethane	1.93	101	146379	41.91	ug/l	99
8) Diethyl Ether	2.19	74	83273	62.69	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69185	35.44	ug/l	99
10) Methyl Iodide	2.51	142	125009	47.71	ug/l	99
11) Tert butyl alcohol	3.08	59	150515	292.06	ug/l	98
12) 1,1-Dichloroethene	2.37	96	88747	48.42	ug/l	100
13) Acrolein	2.30	56	65326	269.83	ug/l	99
14) Allyl chloride	2.73	41	196555	54.01	ug/l	97
15) Acrylonitrile	3.15	53	358494	318.78	ug/l	100
16) Acetone	2.45	43	341934	310.89	ug/l	99
17) Carbon Disulfide	2.57	76	241337	55.51	ug/l	99
18) Methyl Acetate	2.78	43	155402	53.04	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	427000	62.10	ug/l	98
20) Methylene Chloride	2.86	84	126821	56.24	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	113305	56.98	ug/l	95
22) Diisopropyl ether	3.88	45	394744	59.95	ug/l	98
23) Vinyl Acetate	3.83	43	1380699	250.53	ug/l	100
24) 1,1-Dichloroethane	3.70	63	200732	56.17	ug/l	100
25) 2-Butanone	4.71	43	464280	321.44	ug/l	98
26) 2,2-Dichloropropane	4.59	77	74939	29.18	ug/l	87
27) cis-1,2-Dichloroethene	4.60	96	159314	78.74	ug/l	87
28) Bromochloromethane	5.03	49	107959	64.50	ug/l	97
29) Tetrahydrofuran	5.17	42	304715	321.90	ug/l	97
30) Chloroform	5.22	83	214883	62.35	ug/l	99
31) Cyclohexane	5.57	56	114455	38.90	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	164403	57.04	ug/l	99
36) 1,1-Dichloropropene	5.81	75	126300	42.22	ug/l	99
37) Ethyl Acetate	4.87	43	150241	44.38	ug/l	99
38) Carbon Tetrachloride	5.79	117	133497	44.82	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	104237	29.81	ug/l	99
40) Benzene	6.15	78	455573	50.79	ug/l	99
41) Methacrylonitrile	5.07	41	106509	55.72	ug/l	98
42) 1,2-Dichloroethane	6.20	62	188773	54.36	ug/l	99
43) Isopropyl Acetate	6.47	43	269874	48.11	ug/l	99
44) Trichloroethene	7.21	130	120123	46.40	ug/l	97
45) 1,2-Dichloropropane	7.52	63	124223	52.63	ug/l	99
46) Dibromomethane	7.67	93	88148	55.83	ug/l	97
47) Bromodichloromethane	7.90	83	160440	57.61	ug/l	99
48) Methyl methacrylate	7.78	41	157595	54.98	ug/l	97
49) 1,4-Dioxane	7.76	88	56474	1040.36	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1001012	277.94	ug/l	99
52) Toluene	8.79	92	286611	50.10	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	167173	45.57	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	155145	44.49	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	130156	56.30	ug/l	97
56) Ethyl methacrylate	9.18	69	199913	56.19	ug/l	97
57) 1,3-Dichloropropane	9.38	76	212826	54.43	ug/l	99
59) 2-Hexanone	9.50	43	758514	279.49	ug/l	98
60) Dibromochloromethane	9.59	129	133996	51.41	ug/l	100
61) 1,2-Dibromoethane	9.68	107	136803	57.14	ug/l	100
64) Tetrachloroethene	9.34	164	107750	34.98	ug/l	99
65) Chlorobenzene	10.14	112	355171	52.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	130198	56.04	ug/l	98
67) Ethyl Benzene	10.26	91	555122	48.29	ug/l	100
68) m/p-Xylenes	10.36	106	429321	96.83	ug/l	99
69) o-Xylene	10.70	106	220632	50.65	ug/l	98
70) Stvrene	10.71	104	370003	51.65	ug/l	99
71) Bromoform	10.86	173	102800	48.74	ug/l	99
73) Isopropylbenzene	11.02	105	544996	47.45	ug/l	100
74) N-amyl acetate	6.47	43	269874	47.29	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	203646	60.03	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	192926	59.53	ug/l	80
77) Bromobenzene	11.26	156	172326	53.85	ug/l	96
78) n-propylbenzene	11.37	91	607559	46.12	ug/l	99
79) 2-Chlorotoluene	11.43	91	393473	50.03	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	475663	49.00	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	26611	28.26	ug/l	94
82) 4-Chlorotoluene	11.51	91	461954	49.78	ug/l	98
83) tert-Butylbenzene	11.77	119	469125	50.16	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	503277	50.81	ug/l	99
85) sec-Butylbenzene	11.95	105	511008	43.95	ug/l	99
86) p-Isopropyltoluene	12.07	119	475662	45.21	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	299027	50.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	314378	52.65	ug/l	99
89) n-Butylbenzene	12.39	91	385486	41.53	ug/l	99
90) Hexachloroethane	12.60	117	70308	43.24	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	359227	60.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	43229	60.84	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	216550	50.51	ug/l	100

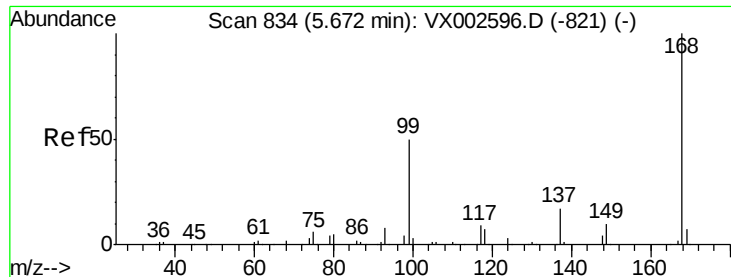
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	83260	36.87	ug/l	99
95) Naphthalene	13.84	128	671769	58.23	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	230123	53.45	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

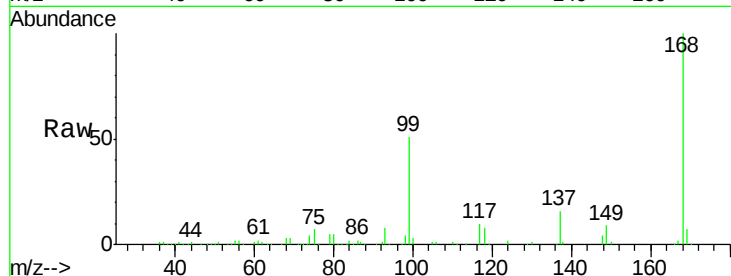
S36-0135MSD

Tot Ion:168 Resp: 164047

Ion Ratio Lower Upper

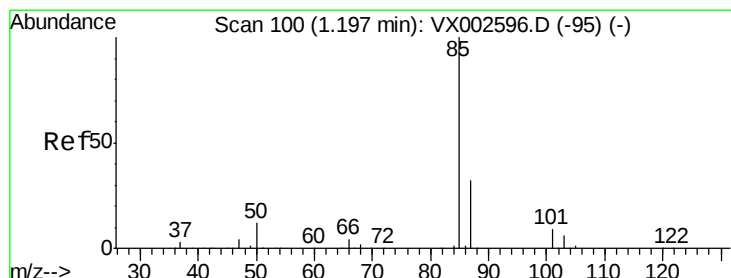
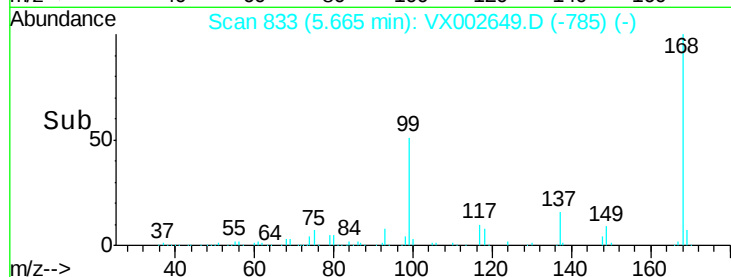
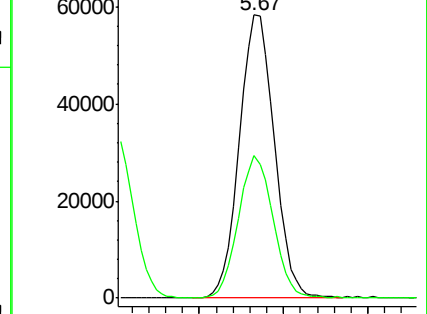
168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 32.91 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002649.D

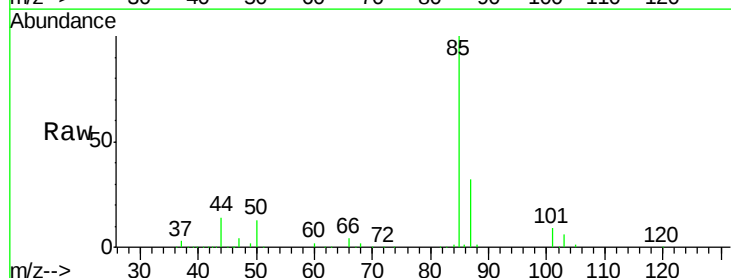
Acq: 16 Jun 2018 15:34

Tgt Ion: 85 Resp: 57321

Ion Ratio Lower Upper

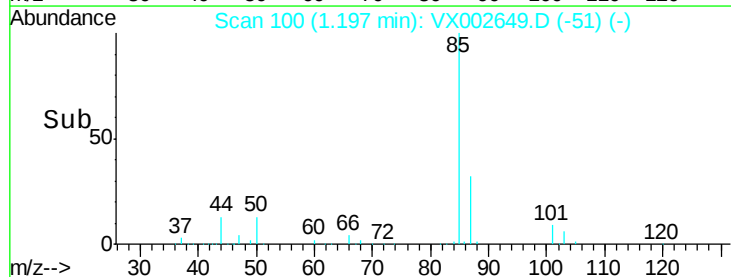
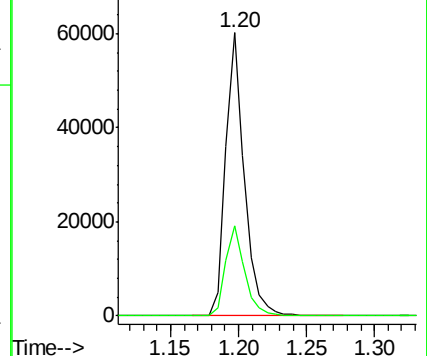
85 100

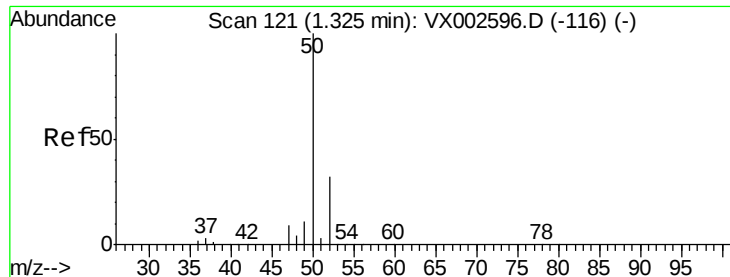
87 31.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

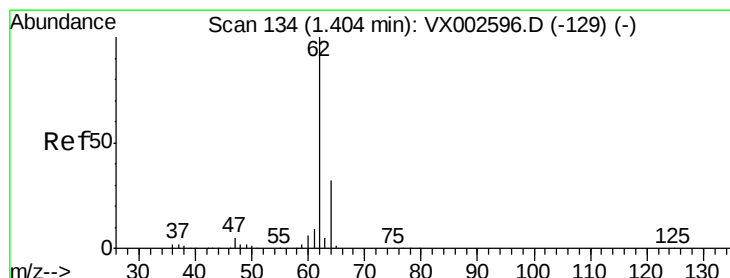
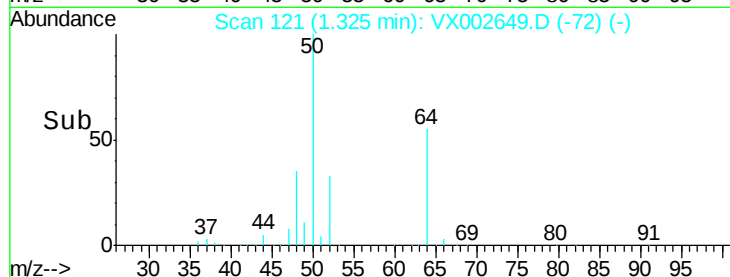
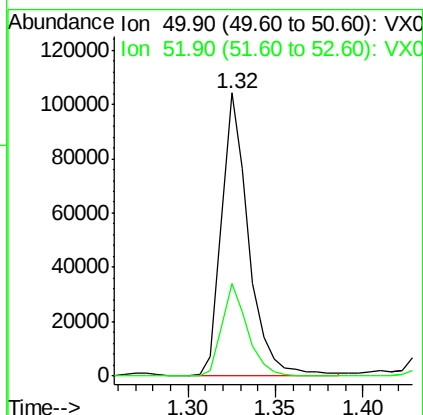
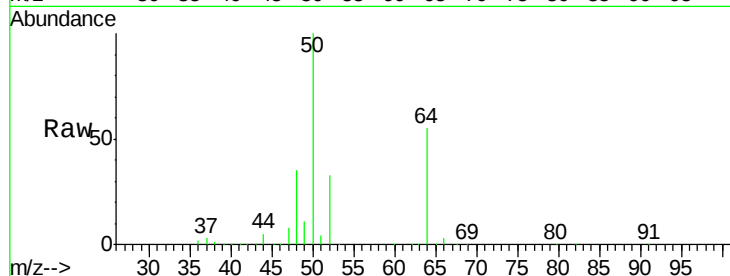




#3
Chloromethane
Concen: 54.02 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

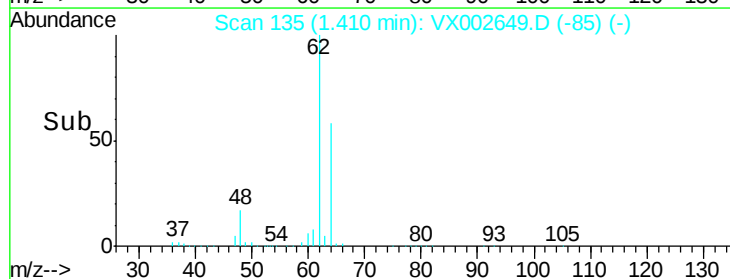
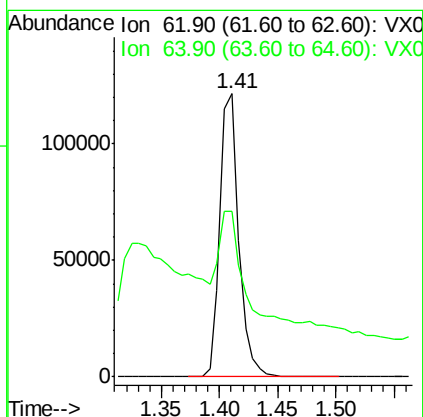
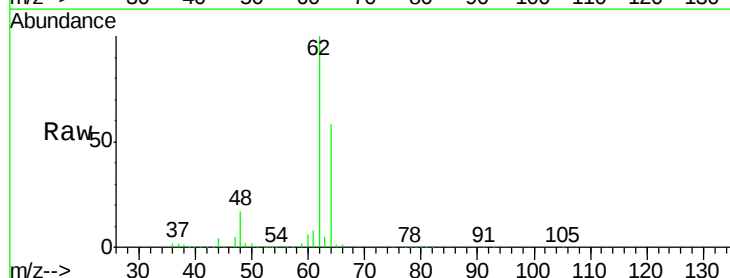
Instrument :
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ClientSampleId :
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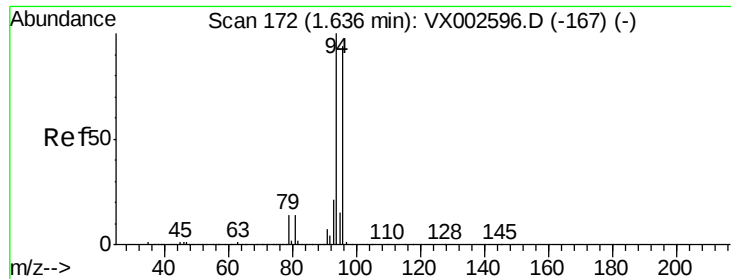
Tot Ion: 50 Resp: 111915
Ion Ratio Lower Upper
50 100
52 32.6 25.7 38.5



#4
Vinyl Chloride
Concen: 63.44 ug/l
RT: 1.41 min Scan# 135
Delta R.T. 0.01 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 62 Resp: 136377
Ion Ratio Lower Upper
62 100
64 41.1 25.4 38.2#





#5

Bromomethane

Concen: 42.74 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

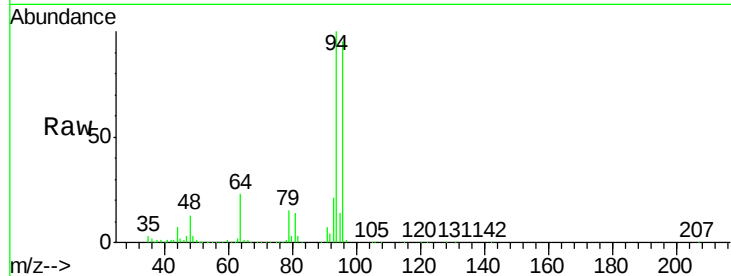
S36-0135MSD

Tot Ion: 94 Resp: 55437

Ion Ratio Lower Upper

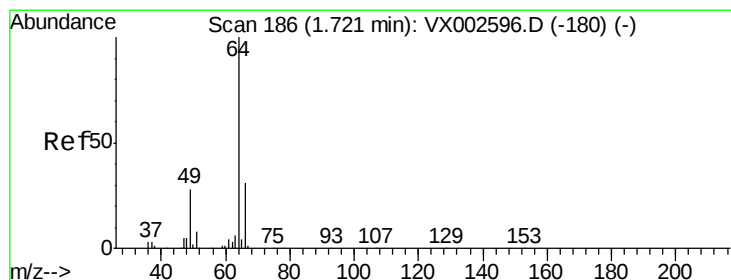
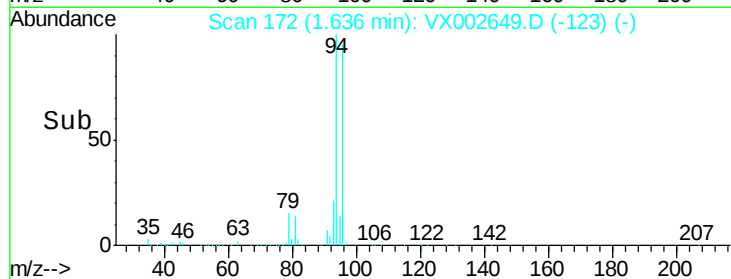
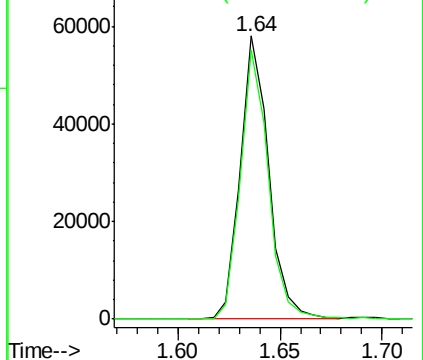
94 100

96 95.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 67.71 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002649.D

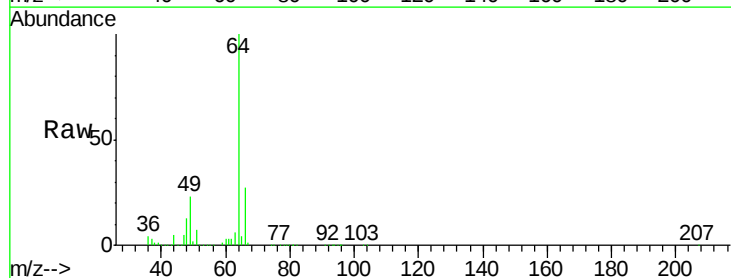
Acq: 16 Jun 2018 15:34

Tgt Ion: 64 Resp: 95935

Ion Ratio Lower Upper

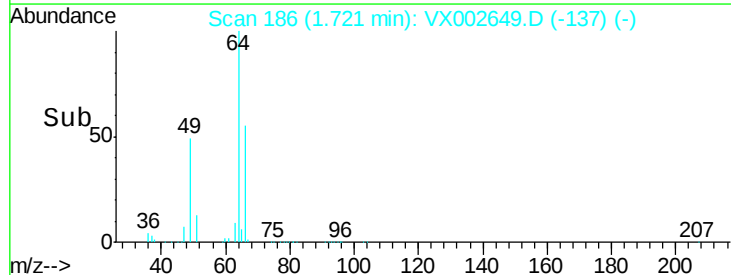
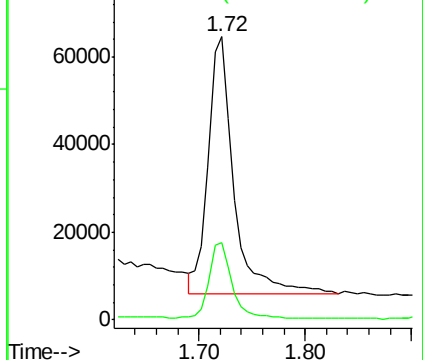
64 100

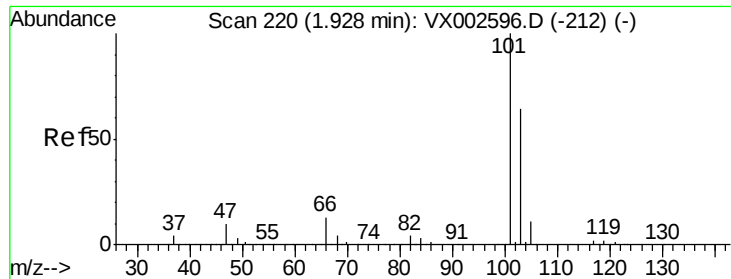
66 29.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



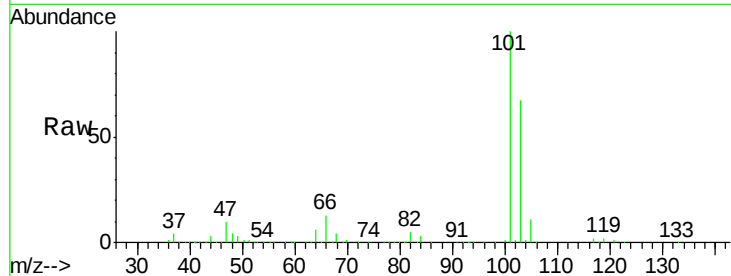


#7

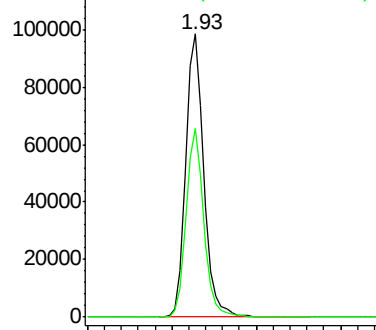
Trichlorofluoromethane
Concen: 41.91 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

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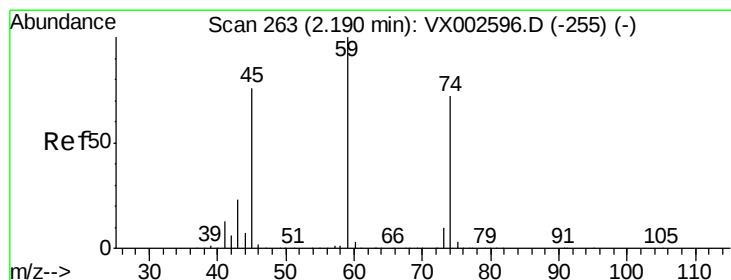
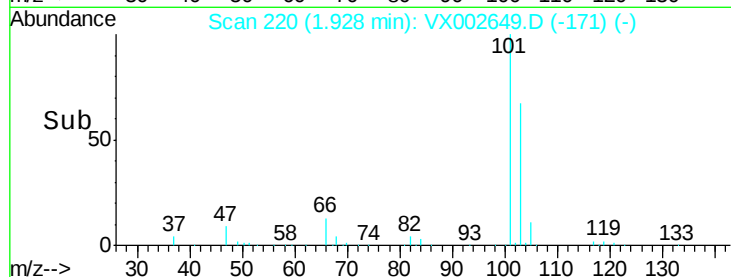
Tot Ion:101 Resp: 146379
Ion Ratio Lower Upper
101 100
103 66.8 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



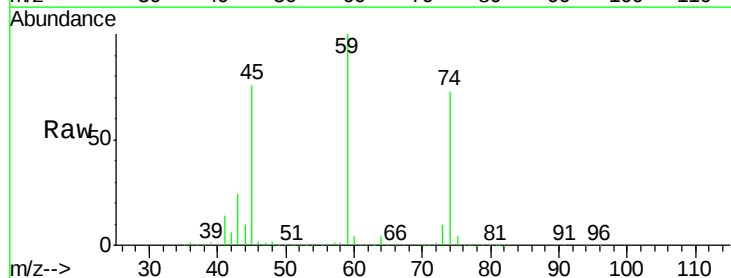
Time--> 1.80 1.90 2.00 2.10



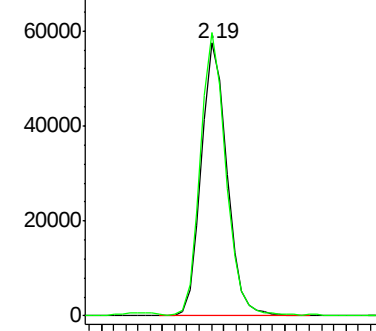
#8

Diethyl Ether
Concen: 62.69 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

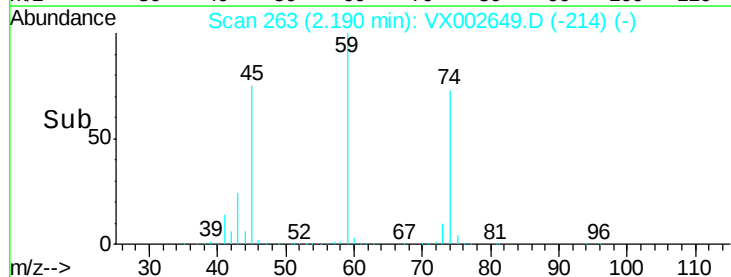
Tgt Ion: 74 Resp: 83273
Ion Ratio Lower Upper
74 100
45 102.0 53.1 159.4

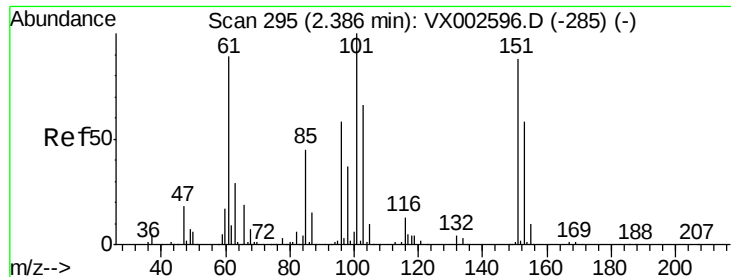


Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0



Time--> 2.10 2.15 2.20 2.25 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 35.44 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

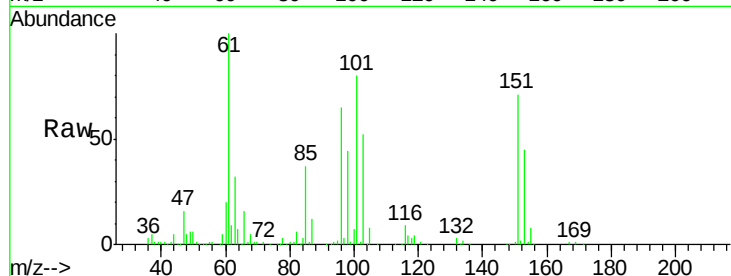
Tot Ion:101 Resp: 69185

Ion Ratio Lower Upper

101 100

85 45.8 36.0 54.0

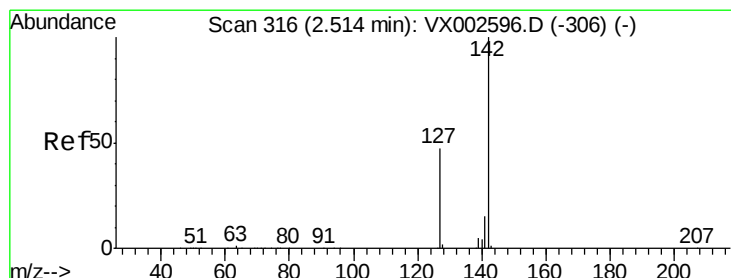
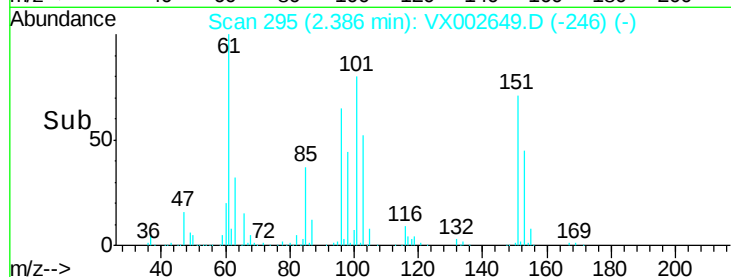
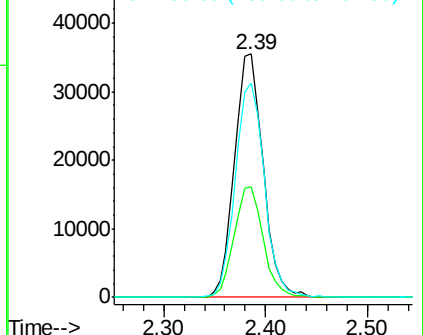
151 89.5 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.71 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

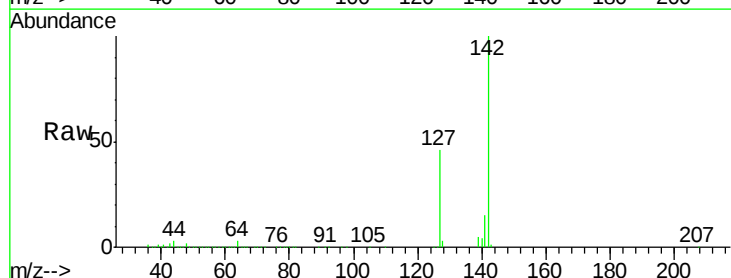
Tgt Ion:142 Resp: 125009

Ion Ratio Lower Upper

142 100

127 46.9 36.6 55.0

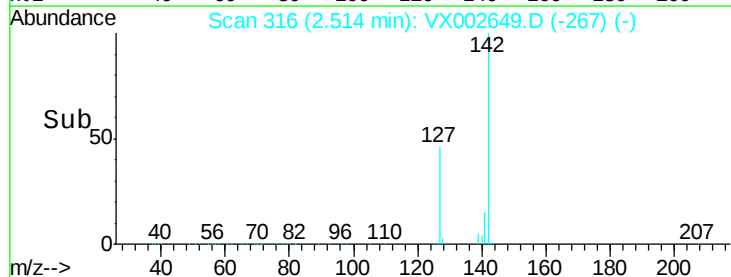
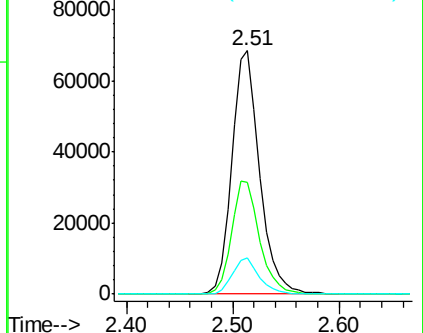
141 14.3 11.3 16.9

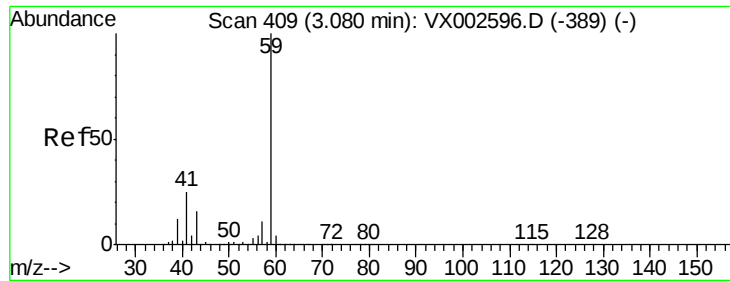


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

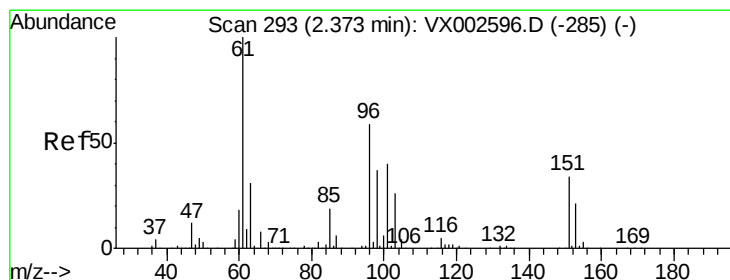
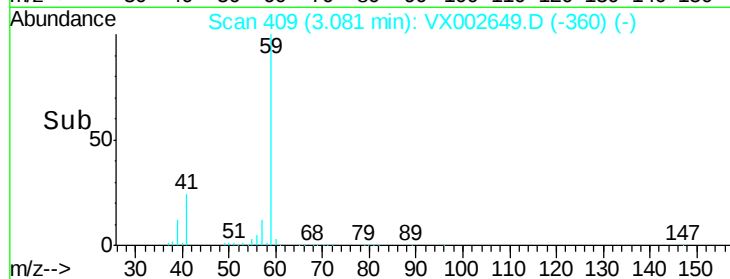
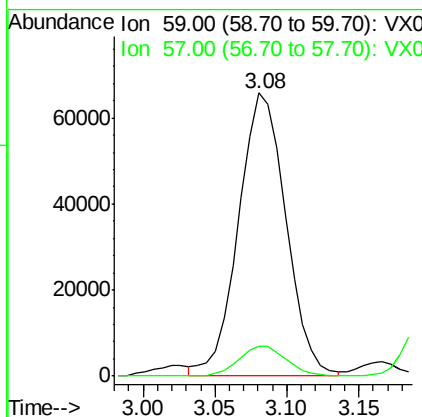
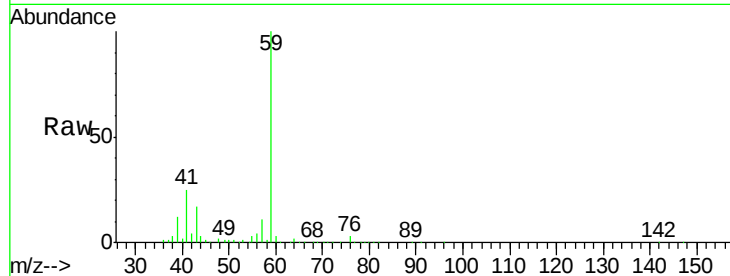




#11
Tert butyl alcohol
Concen: 292.06 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

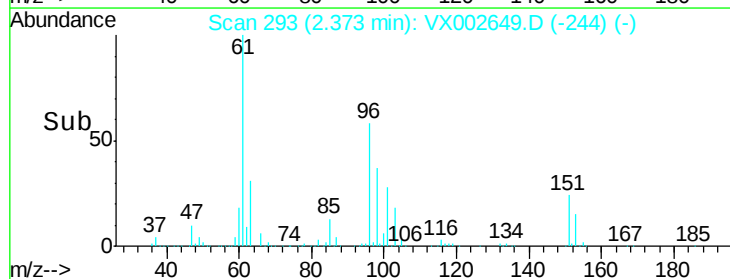
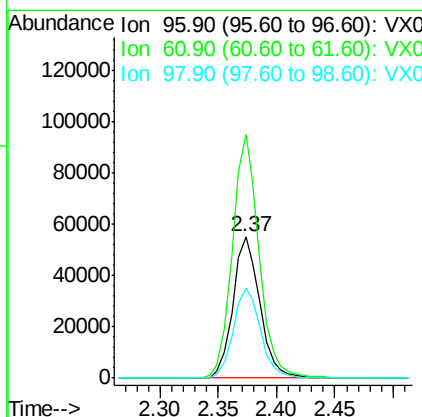
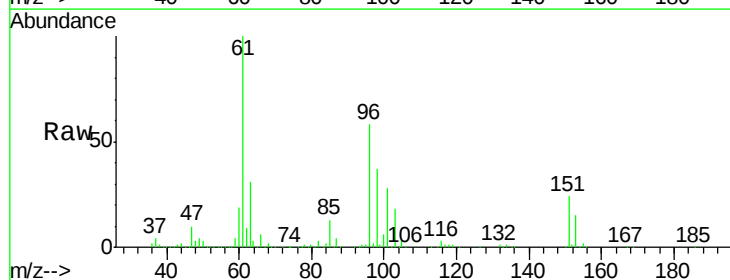
Instrument :
MSVOA_X
ClientSampled :
S36-0135MSD

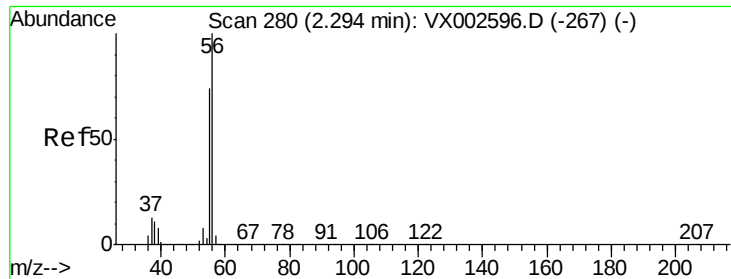
Tot Ion: 59 Resp: 150515
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2



#12
1,1-Dichloroethene
Concen: 48.42 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 96 Resp: 88747
Ion Ratio Lower Upper
96 100
61 172.1 137.9 206.9
98 64.1 51.6 77.4





#13

Acrolein

Concen: 269.83 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

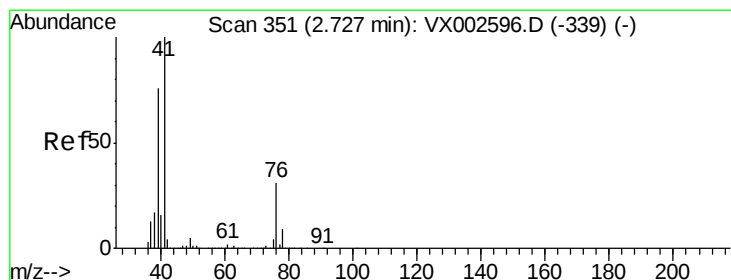
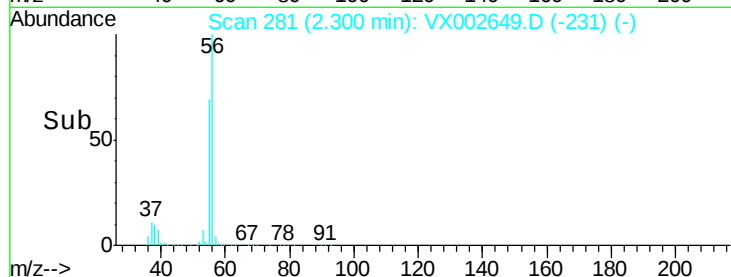
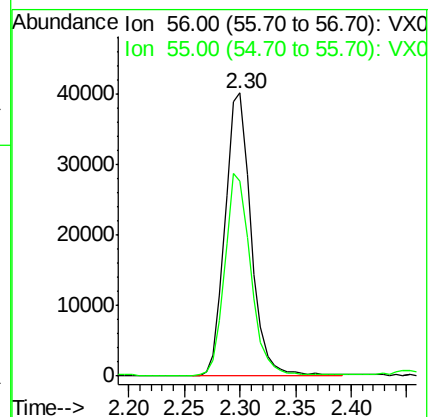
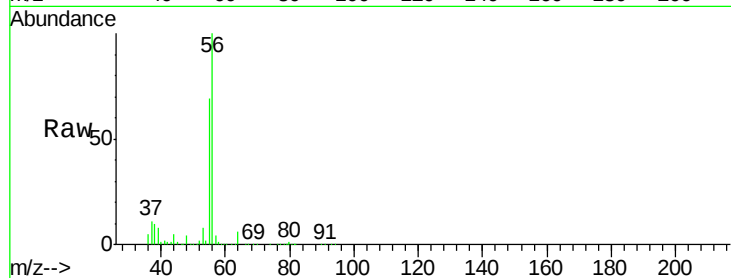
S36-0135MSD

Tot Ion: 56 Resp: 65326

Ion Ratio Lower Upper

56 100

55 70.5 57.0 85.4



#14

Allyl chloride

Concen: 54.01 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

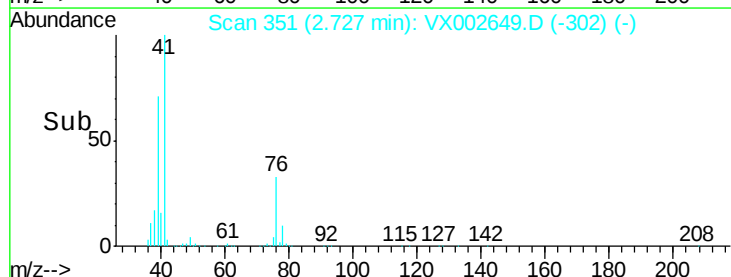
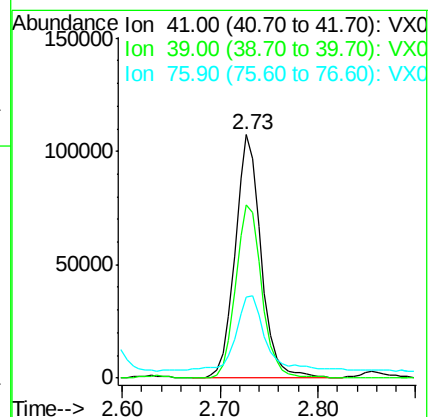
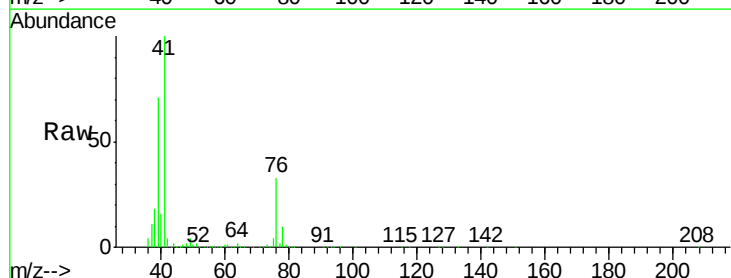
Tgt Ion: 41 Resp: 196555

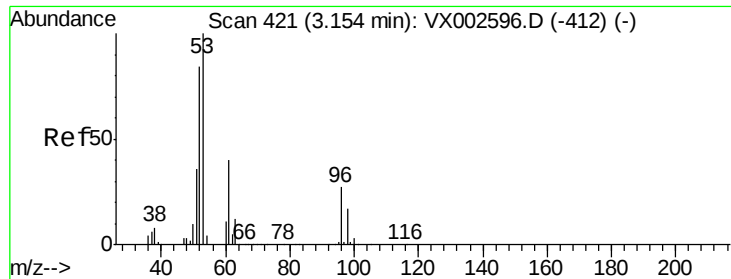
Ion Ratio Lower Upper

41 100

39 71.3 56.8 85.2

76 34.4 23.8 35.8





#15

Acrylonitrile

Concen: 318.78 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

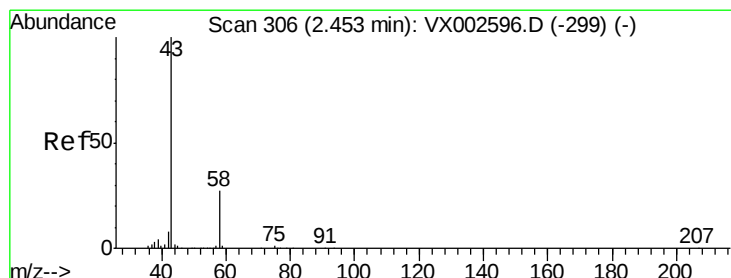
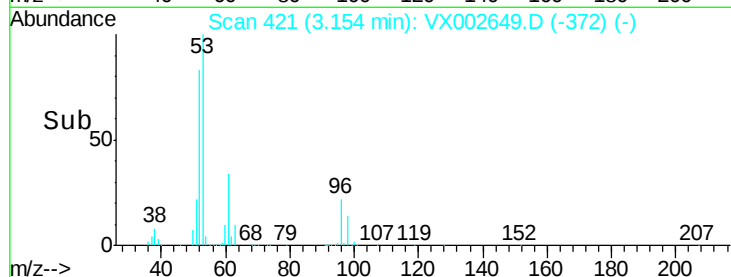
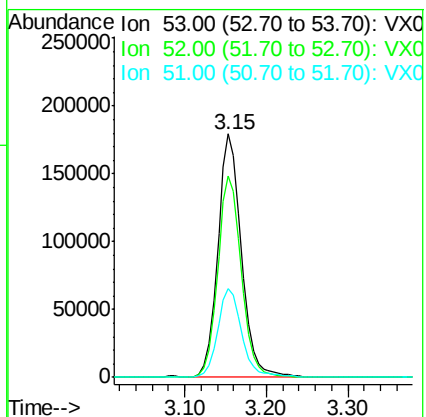
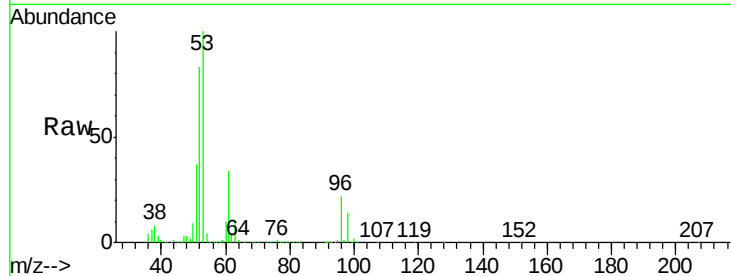
Tot Ion: 53 Resp: 358494

Ion Ratio Lower Upper

53 100

52 83.8 66.7 100.1

51 37.3 29.9 44.9



#16

Acetone

Concen: 310.89 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002649.D

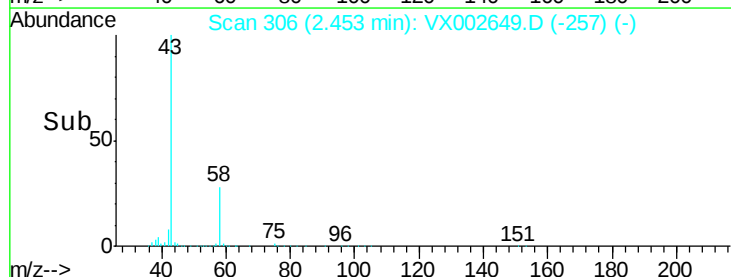
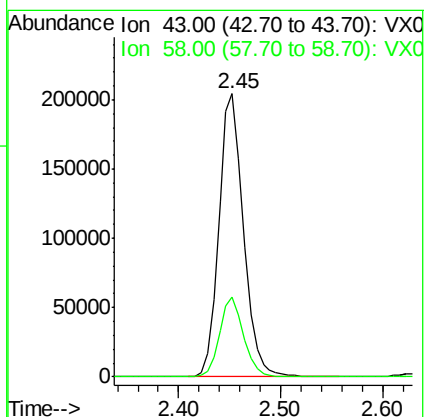
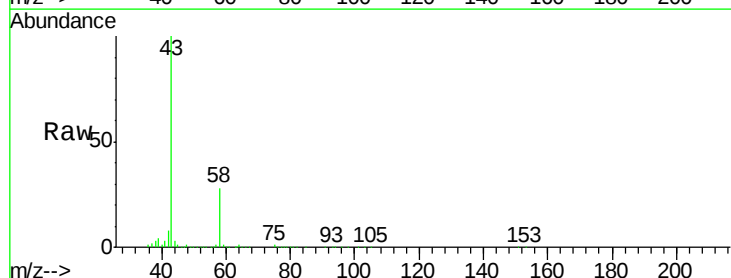
Acq: 16 Jun 2018 15:34

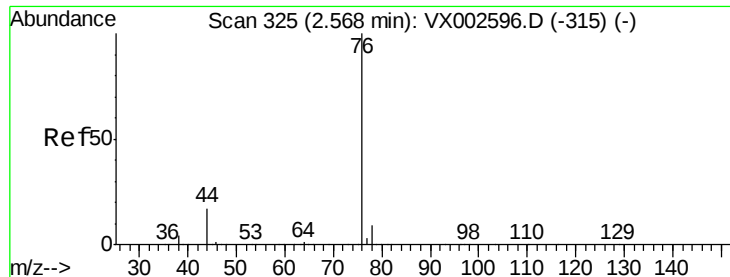
Tgt Ion: 43 Resp: 341934

Ion Ratio Lower Upper

43 100

58 28.2 22.1 33.1

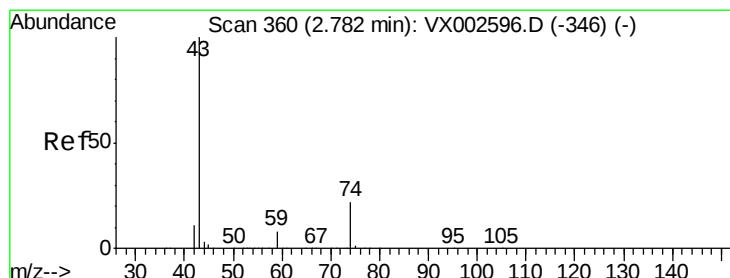
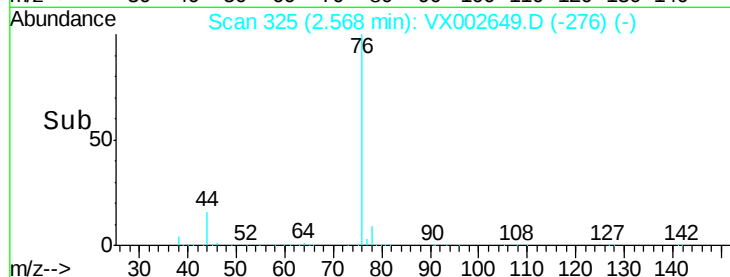
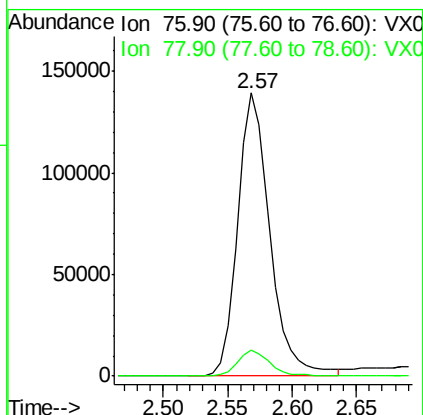
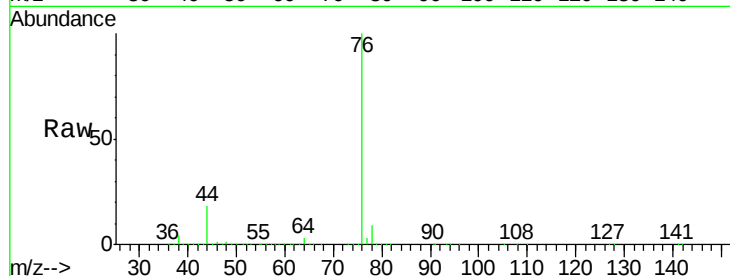




#17
Carbon Disulfide
Concen: 55.51 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

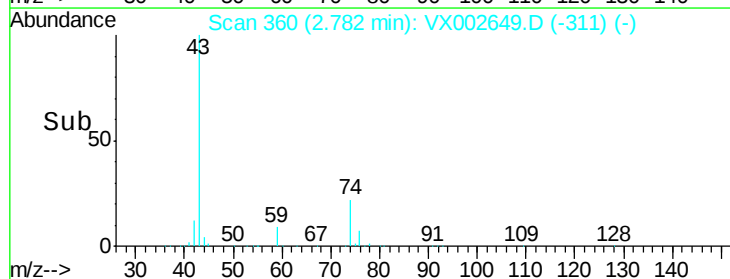
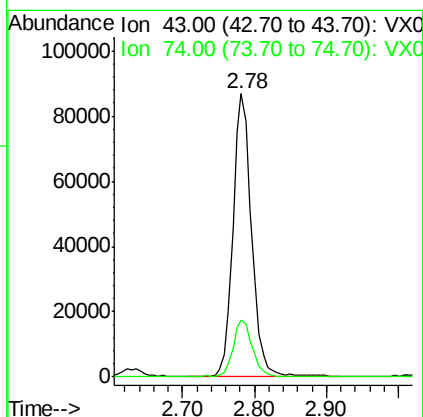
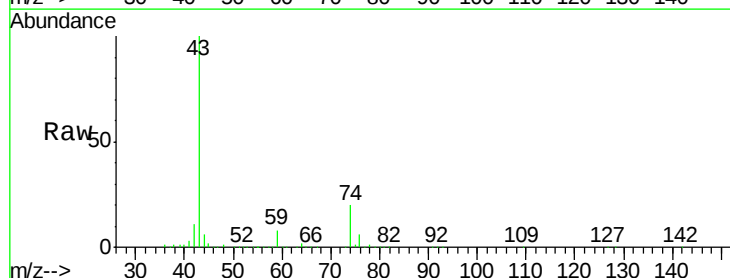
Instrument :
MSVOA_X
ClientSampleId :
S36-0135MSD

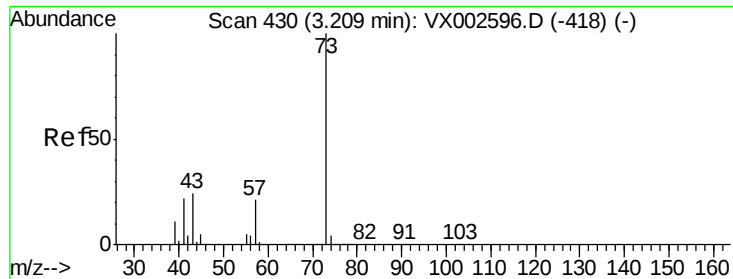
Tot Ion: 76 Resp: 241337
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3



#18
Methyl Acetate
Concen: 53.04 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 43 Resp: 155402
Ion Ratio Lower Upper
43 100
74 20.4 16.7 25.1

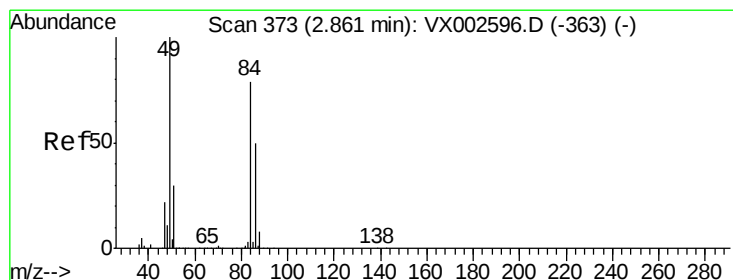
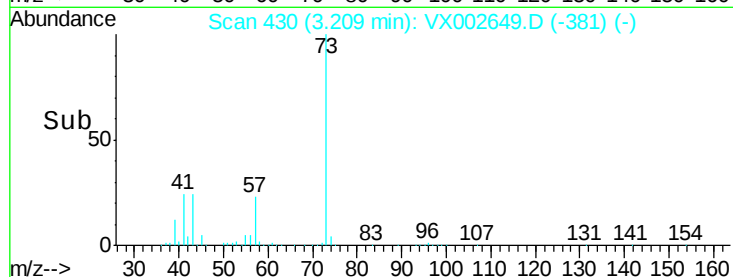
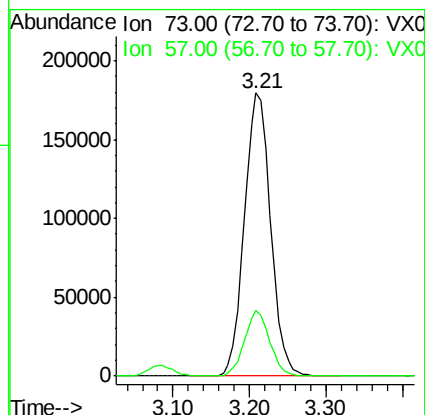
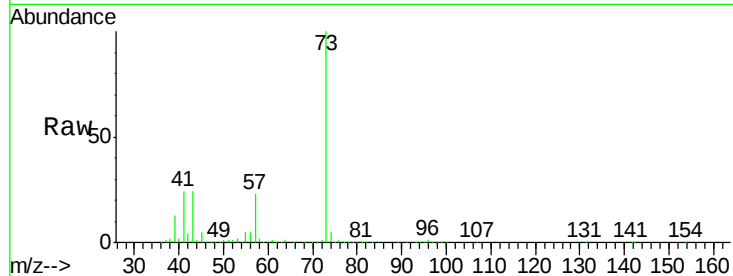




#19
Methvl tert-butvl Ether
Concen: 62.10 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

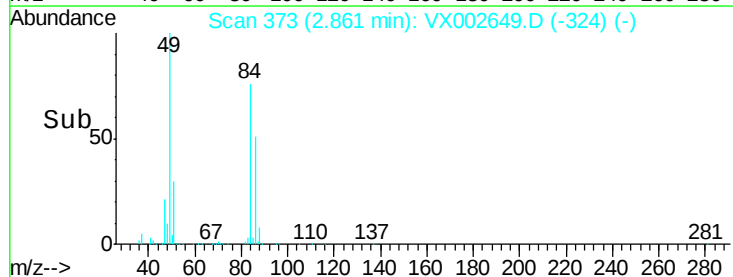
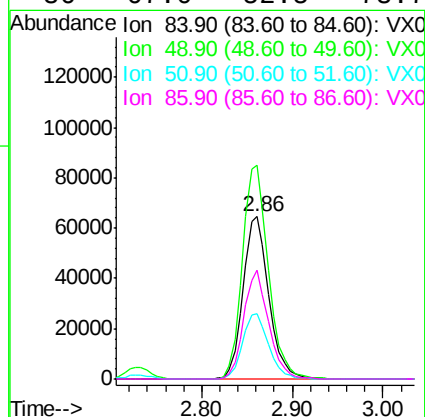
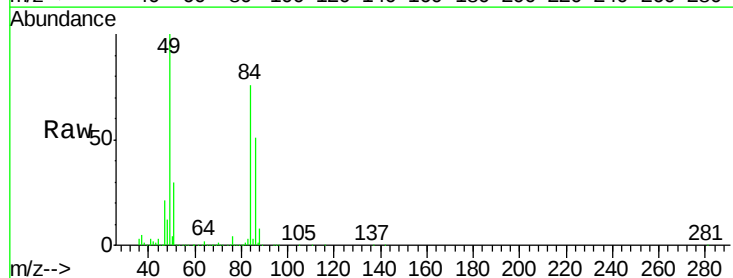
Instrument :
MSVOA_X
ClientSampleId :
S36-0135MSD

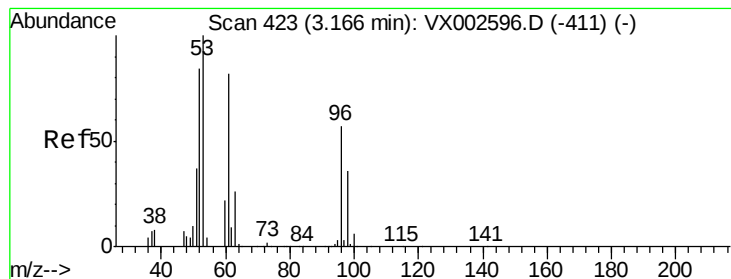
Tot Ion: 73 Resp: 427000
Ion Ratio Lower Upper
73 100
57 23.3 17.7 26.5



#20
Methylene Chloride
Concen: 56.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 84 Resp: 126821
Ion Ratio Lower Upper
84 100
49 131.3 107.8 161.6
51 39.7 32.8 49.2
86 67.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 56.98 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampled :

S36-0135MSD

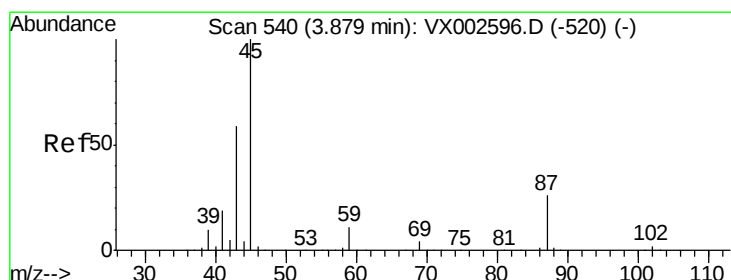
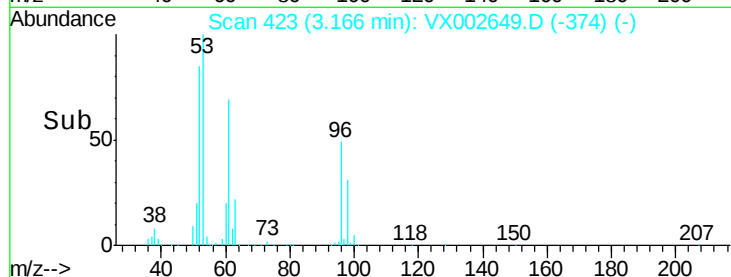
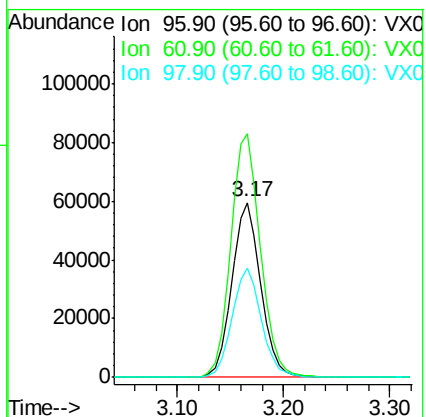
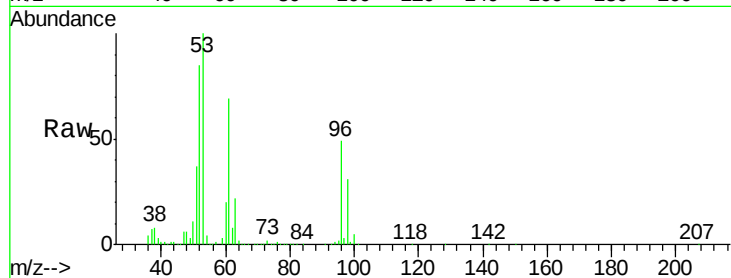
Tot Ion: 96 Resp: 113305

Ion Ratio Lower Upper

96 100

61 139.1 117.0 175.4

98 62.2 52.4 78.6



#22

Diisopropyl ether

Concen: 59.95 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Tgt Ion: 45 Resp: 394744

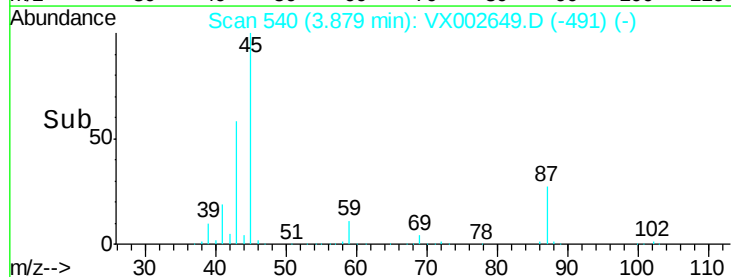
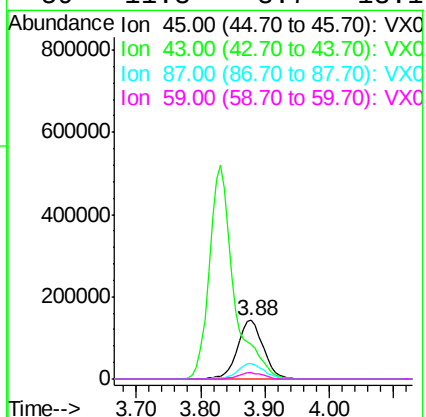
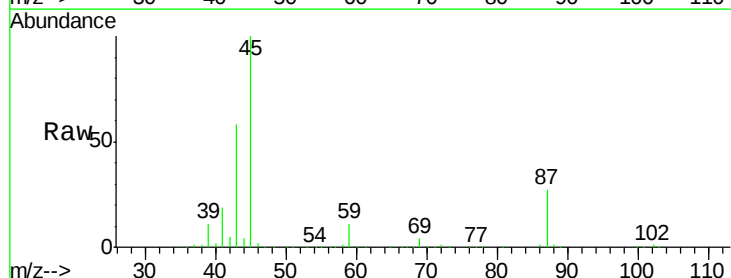
Ion Ratio Lower Upper

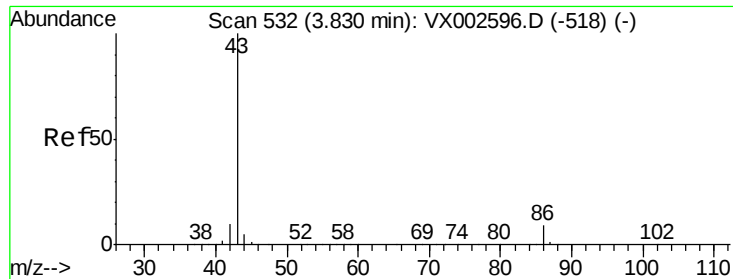
45 100

43 57.8 46.8 70.2

87 27.0 20.2 30.4

59 11.3 8.7 13.1





#23

Vinyl Acetate

Concen: 250.53 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

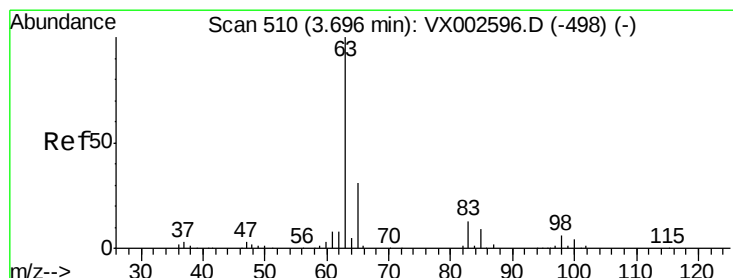
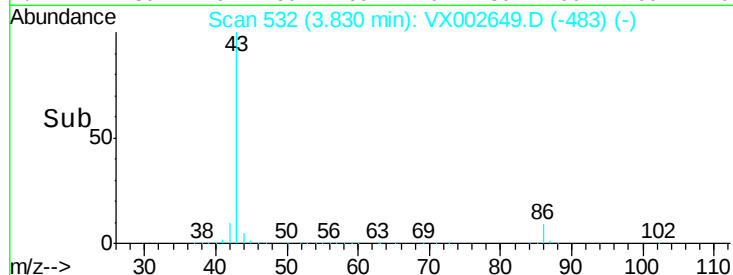
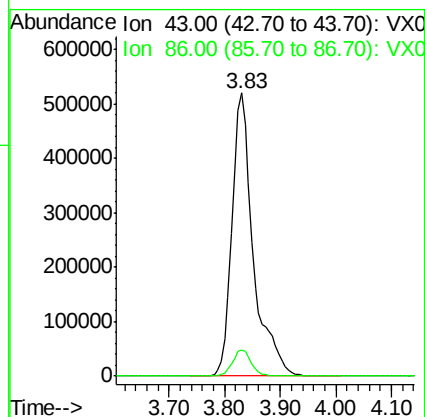
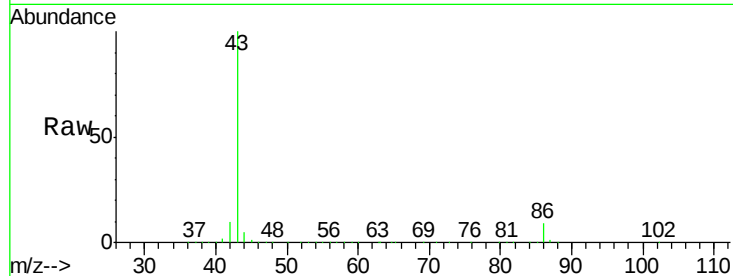
S36-0135MSD

Tot Ion: 43 Resp: 1380699

Ion Ratio Lower Upper

43 100

86 9.4 7.4 11.0



#24

1,1-Dichloroethane

Concen: 56.17 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

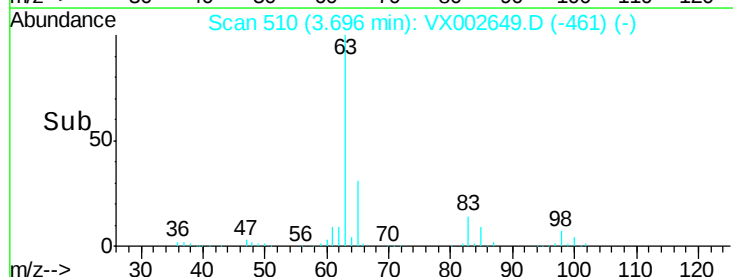
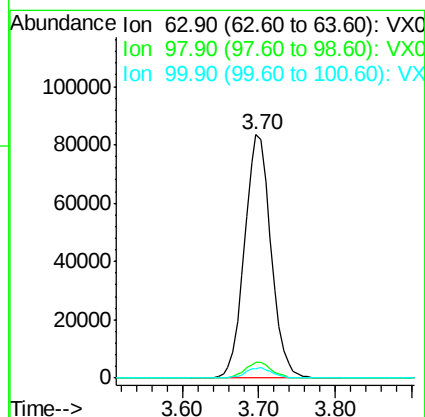
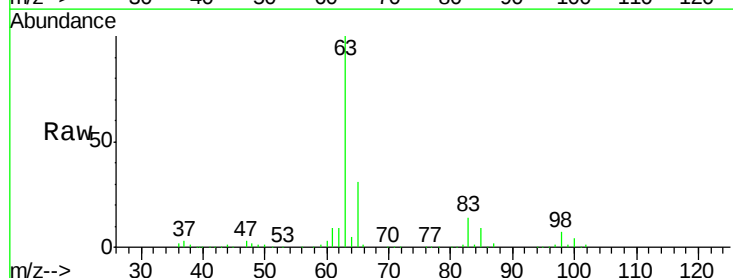
Tgt Ion: 63 Resp: 200732

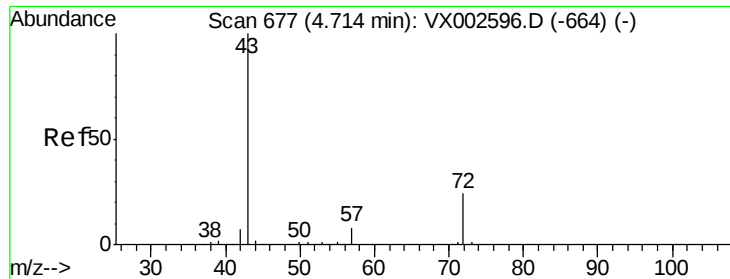
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 321.44 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampled :

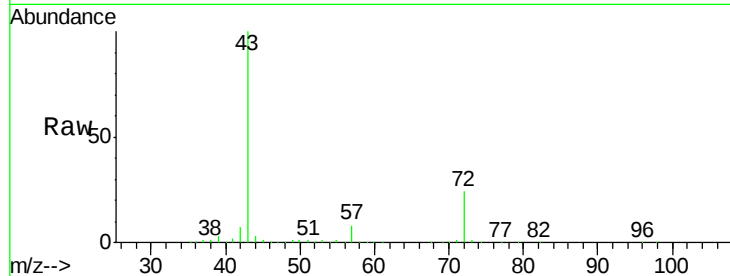
S36-0135MSD

Tot Ion: 43 Resp: 464280

Ion Ratio Lower Upper

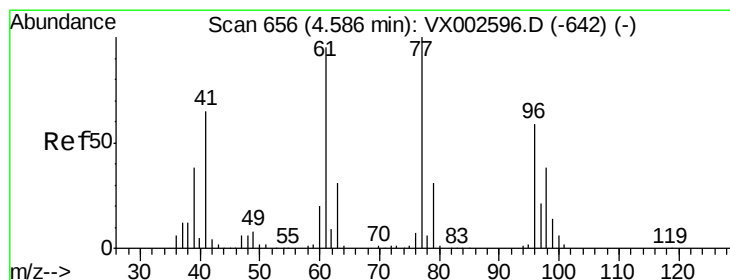
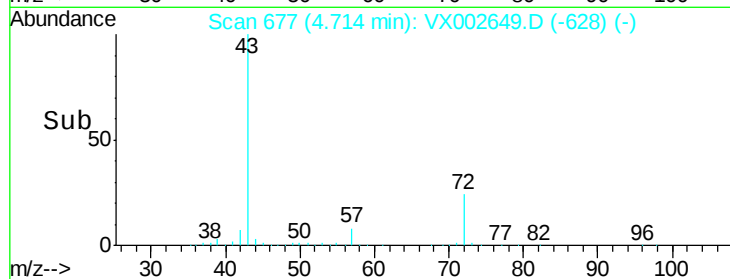
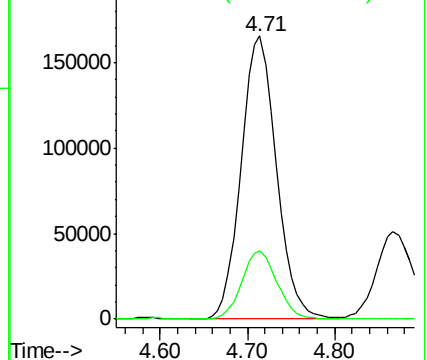
43 100

72 24.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 29.18 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002649.D

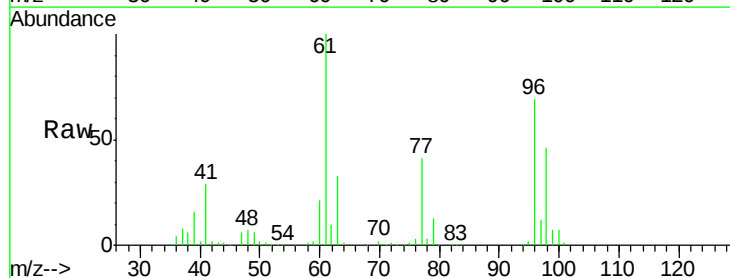
Acq: 16 Jun 2018 15:34

Tgt Ion: 77 Resp: 74939

Ion Ratio Lower Upper

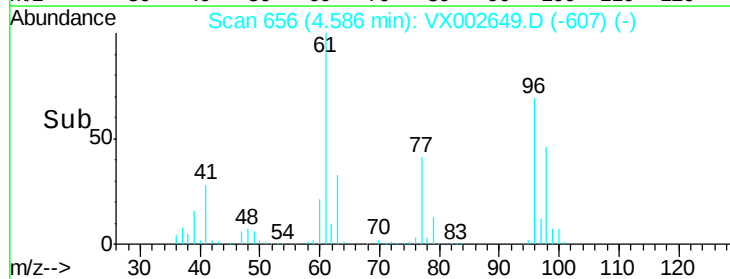
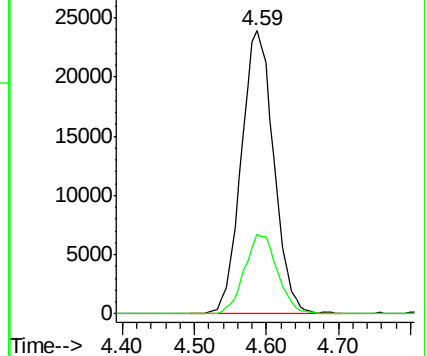
77 100

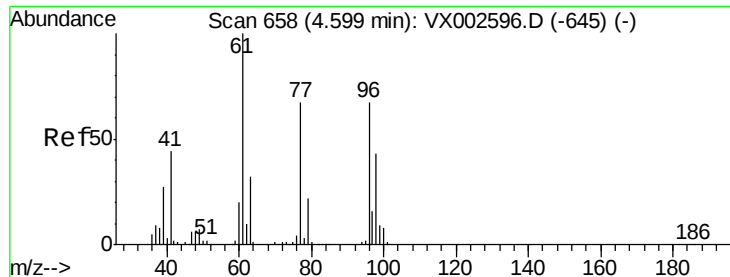
97 28.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



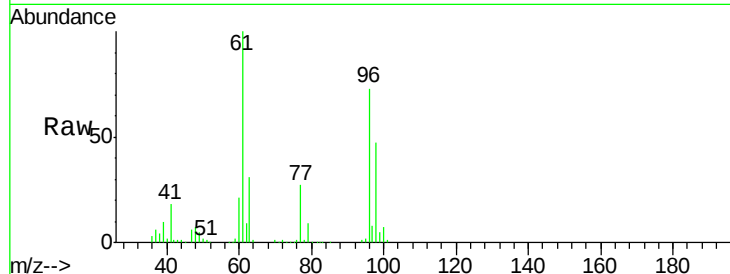


#27

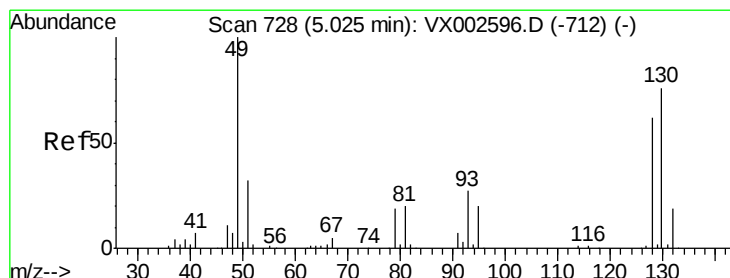
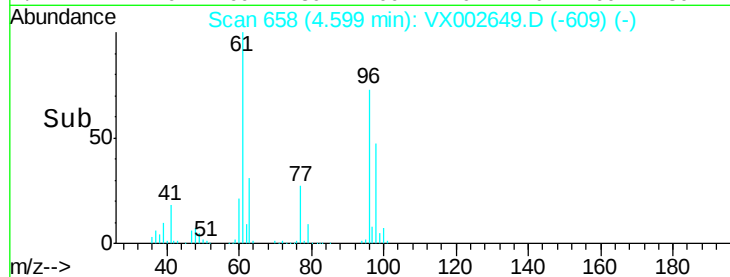
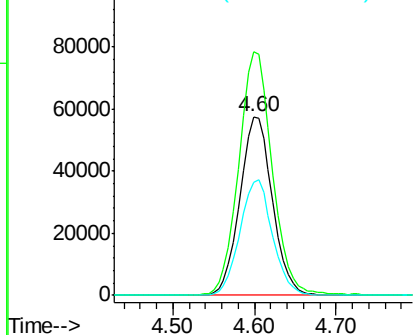
cis-1,2-Dichloroethene
 Concen: 78.74 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Instrument :
 MSVOA_X
 ClientSampled :
 S36-0135MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	330.2
98	64.7	0.0	130.2



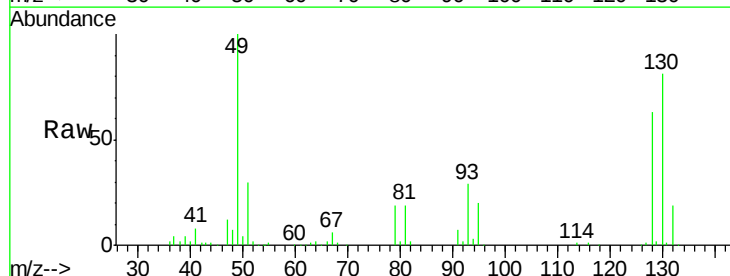
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



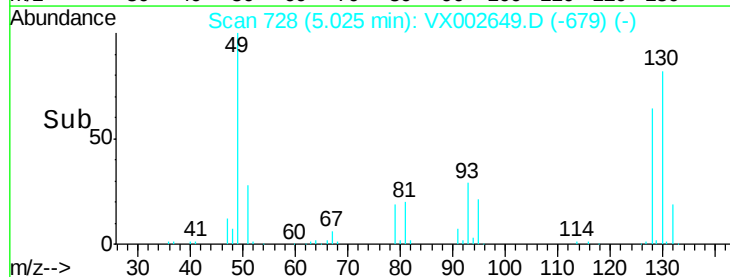
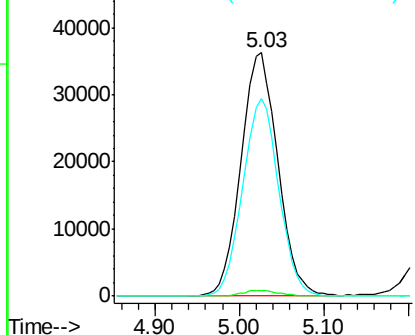
#28

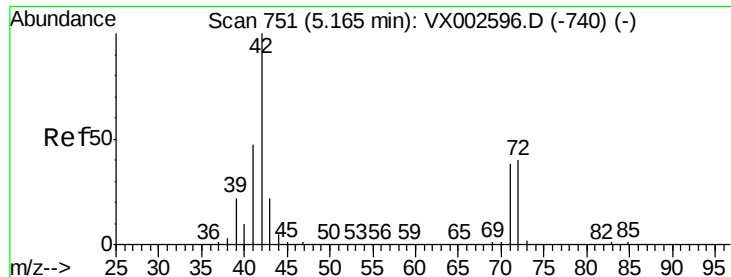
Bromochloromethane
 Concen: 64.50 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	79.3	61.2	91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

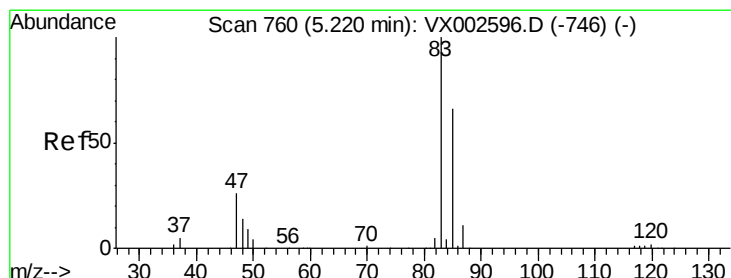
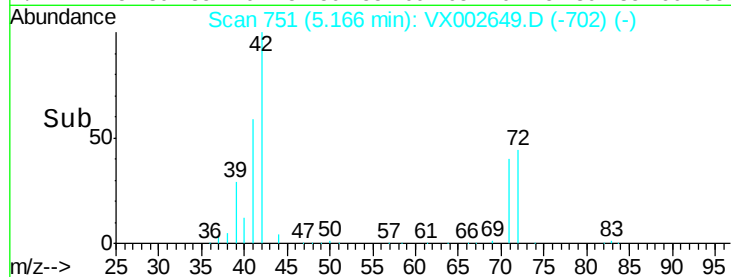
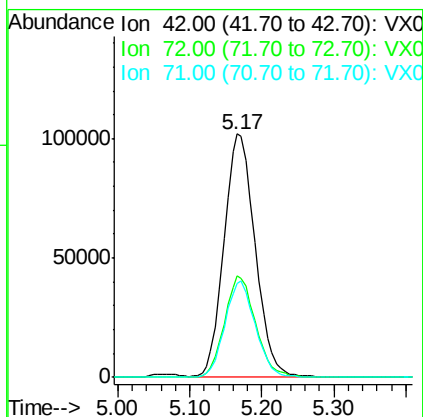
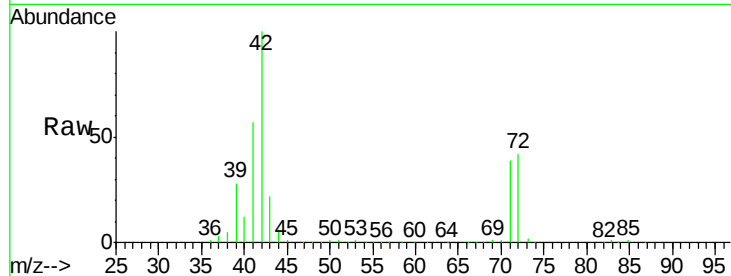




#29
Tetrahydrofuran
Concen: 321.90 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

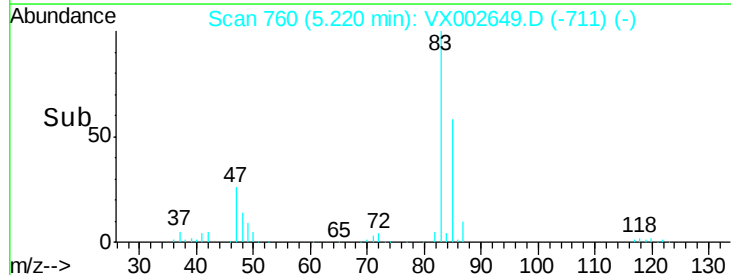
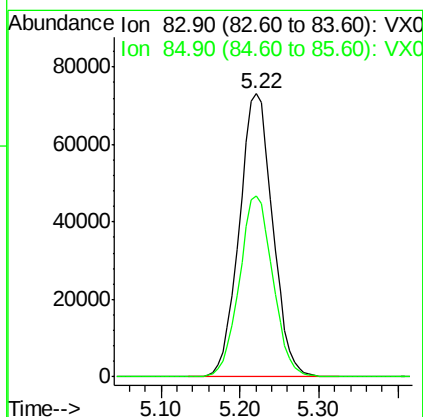
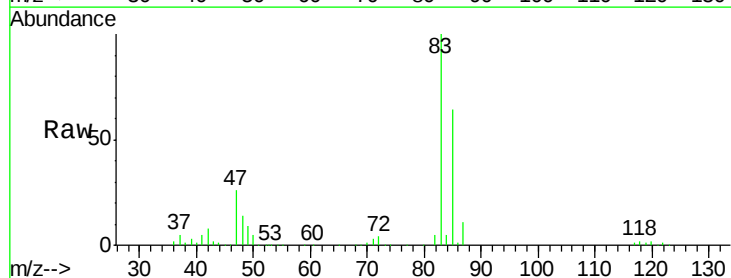
Instrument :
MSVOA_X
ClientSampled :
S36-0135MSD

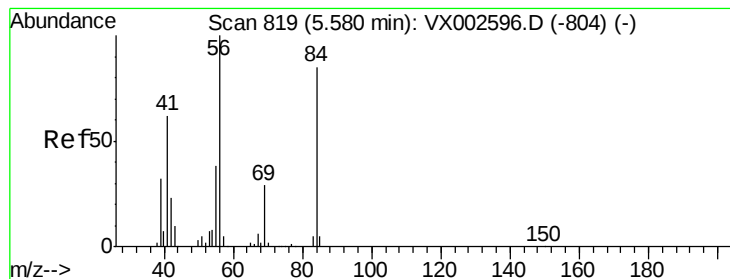
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.0	48.0
71	38.9	30.1	45.1



#30
Chloroform
Concen: 62.35 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.4	75.6





#31

Cyclohexane

Concen: 38.90 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

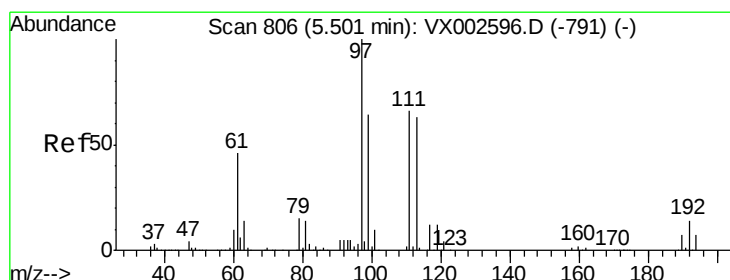
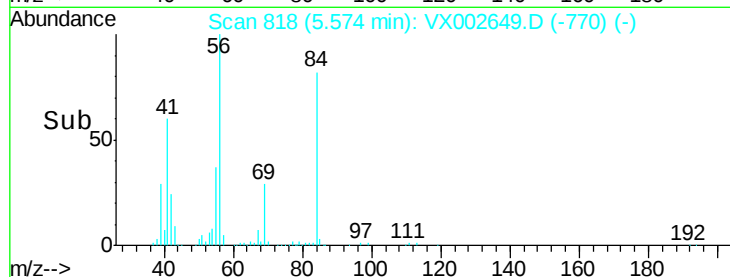
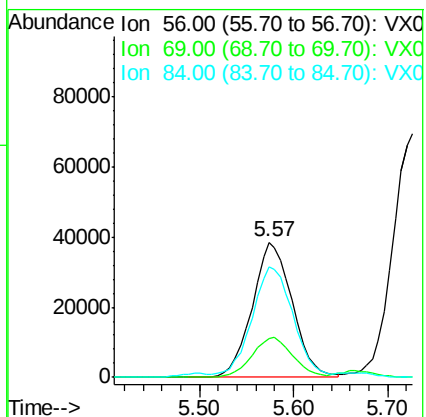
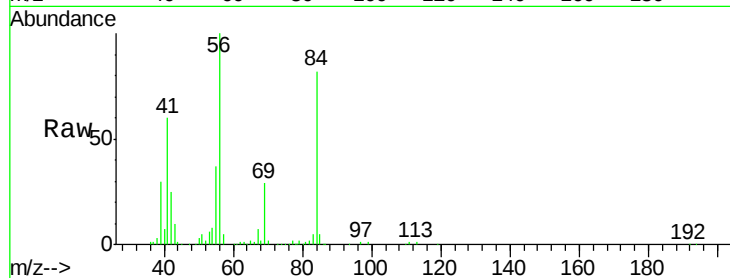
Tot Ion: 56 Resp: 114455

Ion Ratio Lower Upper

56 100

69 28.8 23.7 35.5

84 79.4 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 57.04 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

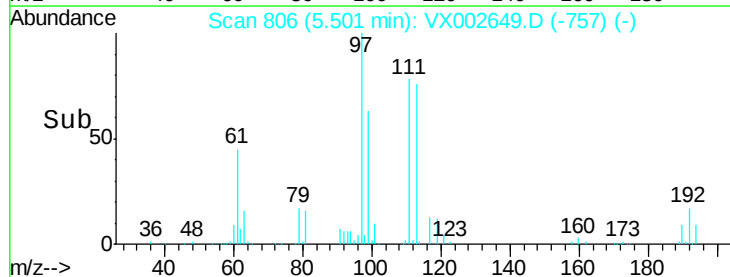
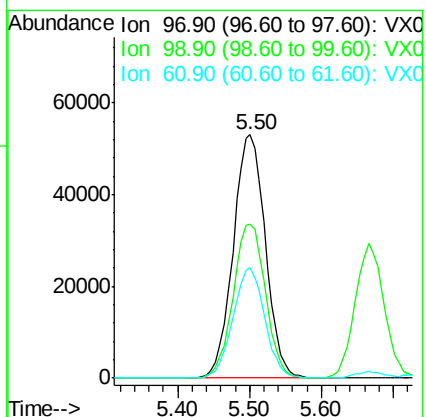
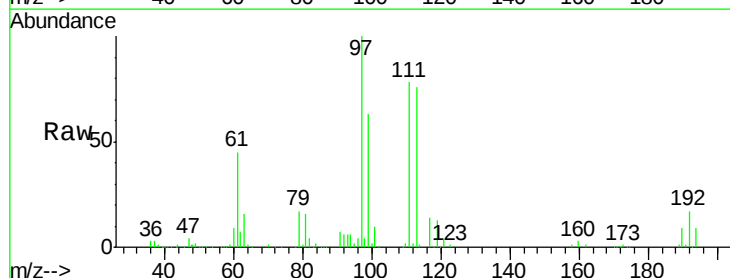
Tgt Ion: 97 Resp: 164403

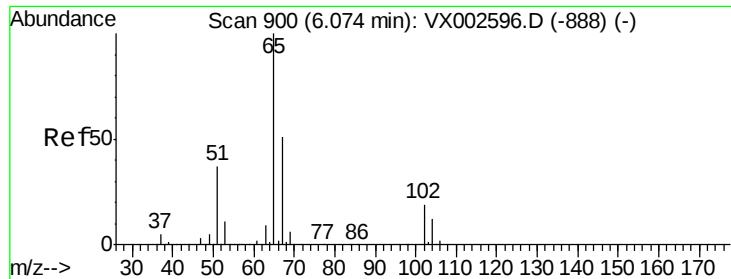
Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 44.7 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 61.92 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

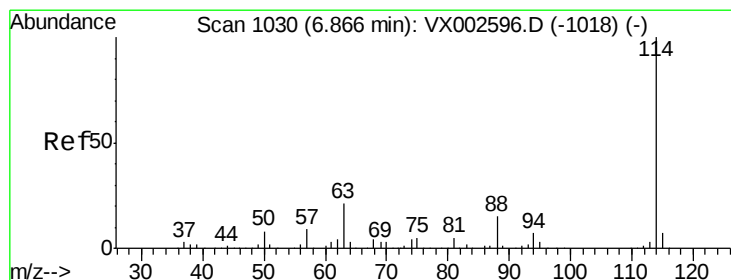
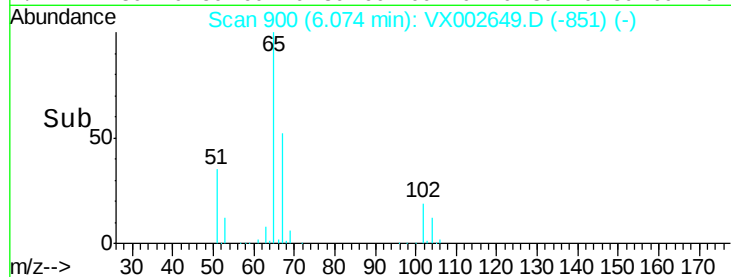
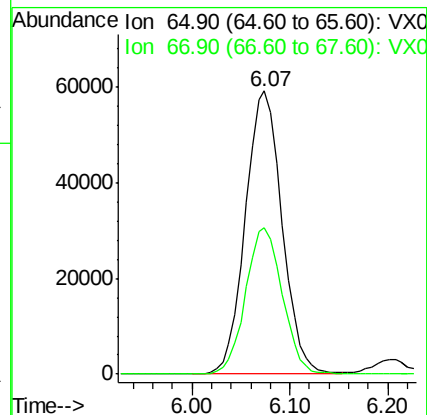
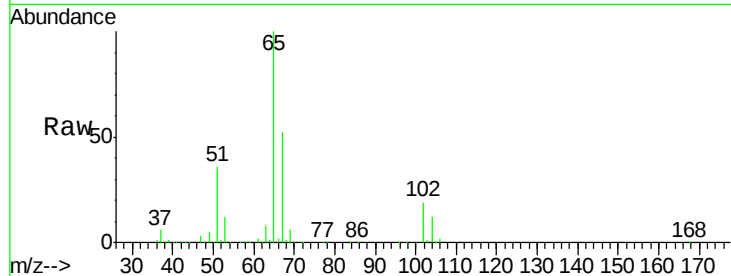
S36-0135MSD

Tot Ion: 65 Resp: 154357

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

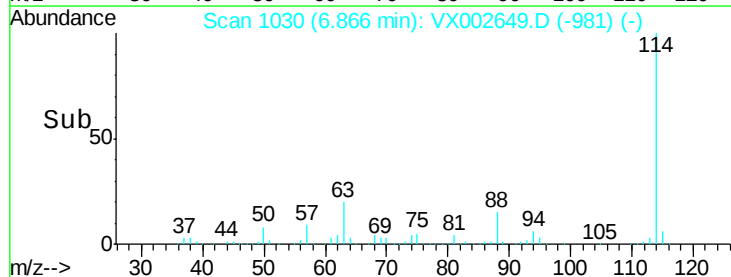
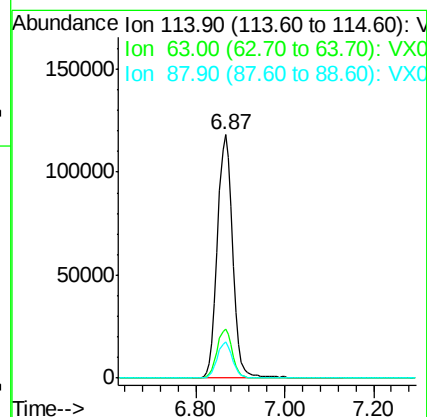
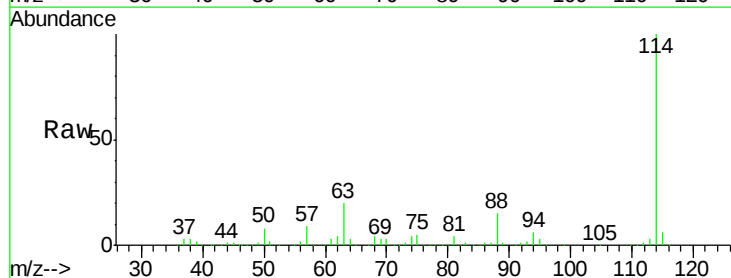
Tgt Ion: 114 Resp: 281637

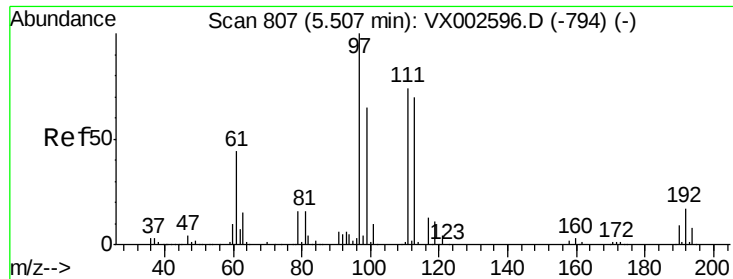
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.81 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

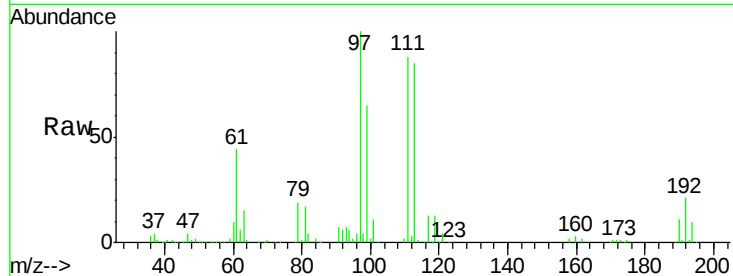
Tot Ion:113 Resp: 120950

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

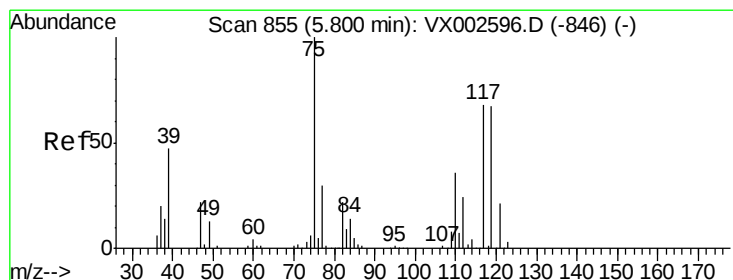
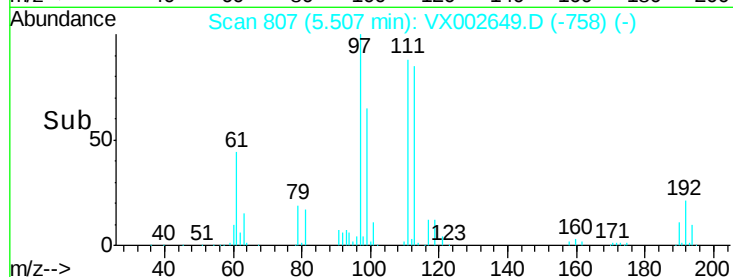
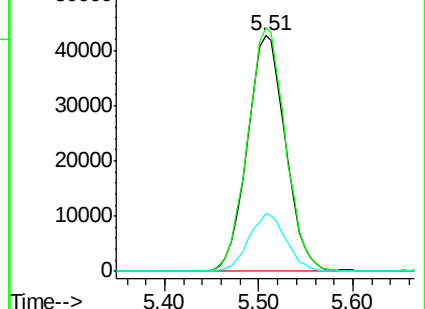
192 24.0 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 42.22 ug/l

RT: 5.81 min Scan# 855

Delta R.T. 0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

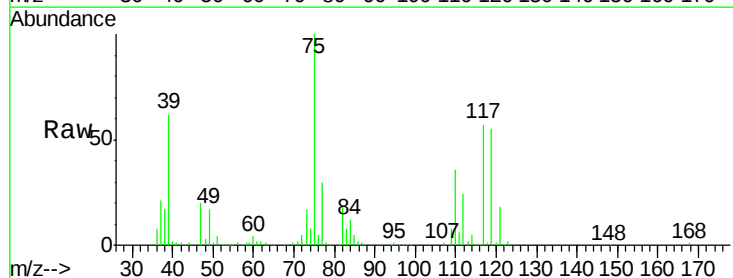
Tgt Ion: 75 Resp: 126300

Ion Ratio Lower Upper

75 100

110 36.6 18.1 54.4

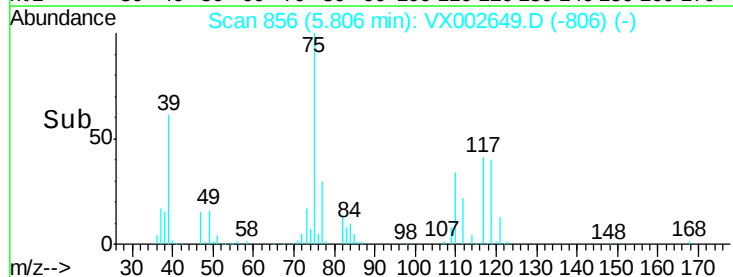
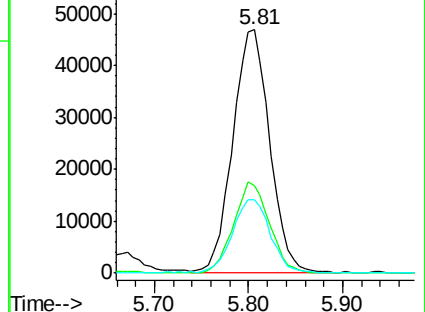
77 31.1 24.3 36.5

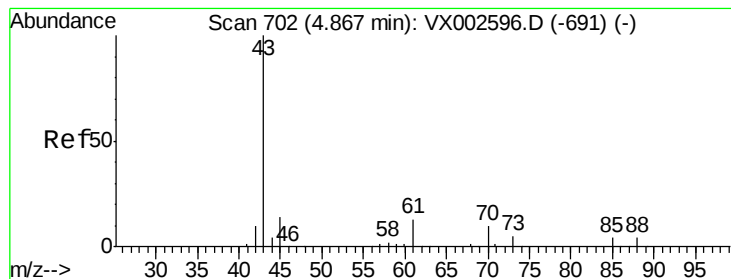


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 44.38 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

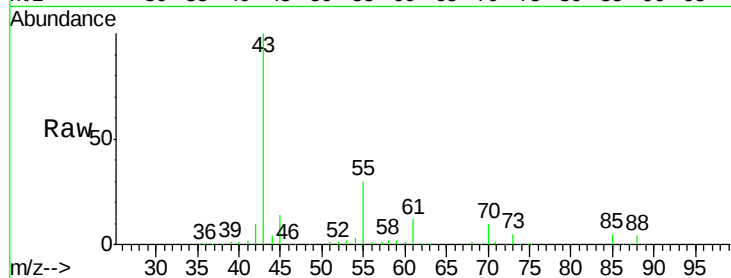
Tot Ion: 43 Resp: 150241

Ion Ratio Lower Upper

43 100

61 13.4 10.4 15.6

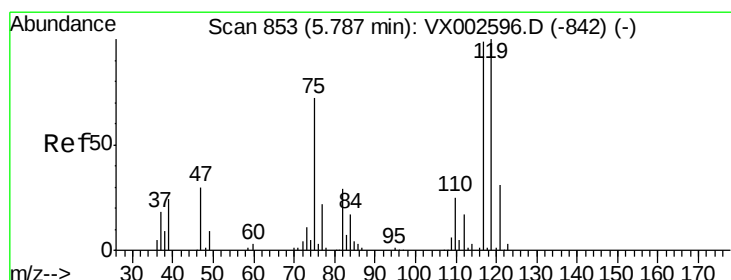
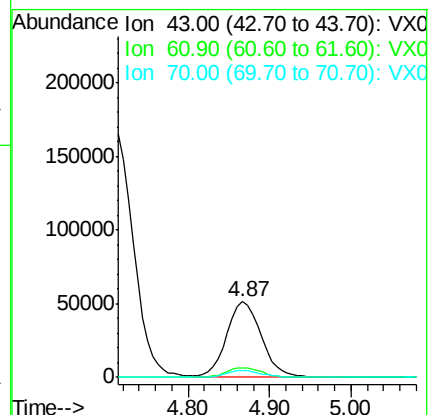
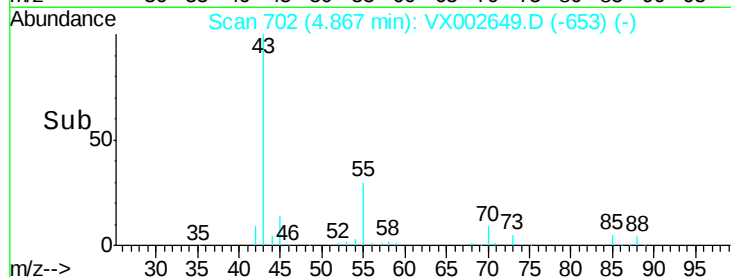
70 9.6 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 44.82 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

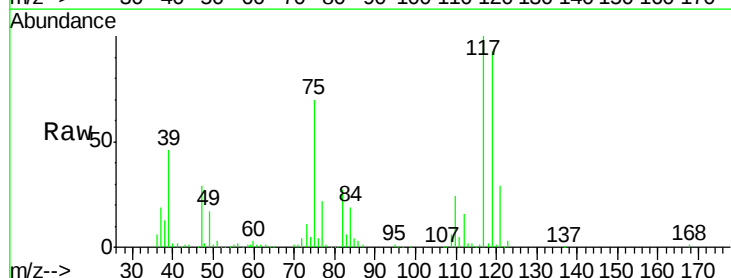
Tgt Ion: 117 Resp: 133497

Ion Ratio Lower Upper

117 100

119 93.1 77.4 116.0

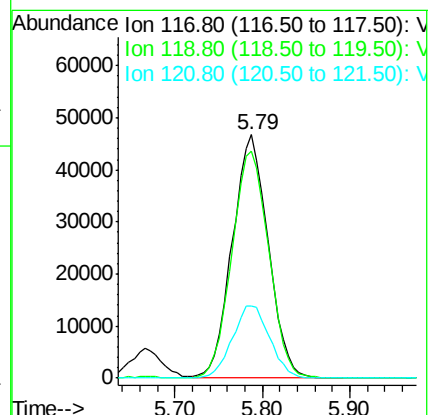
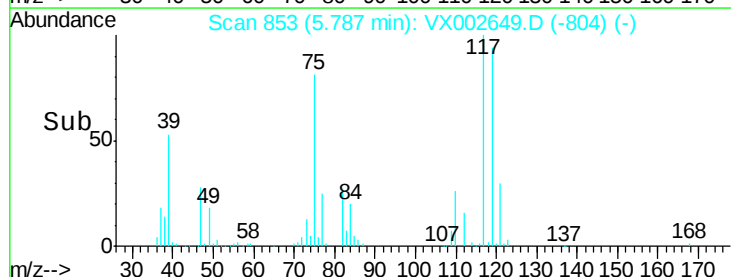
121 29.4 24.4 36.6

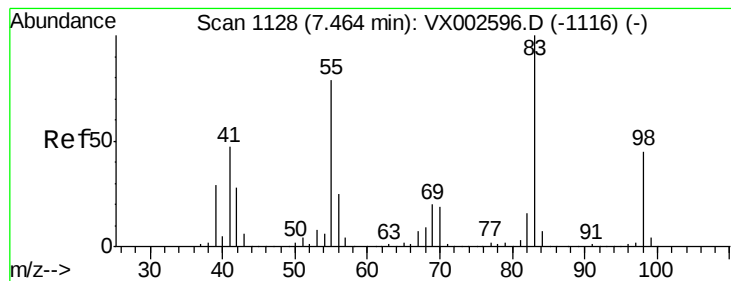


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 29.81 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

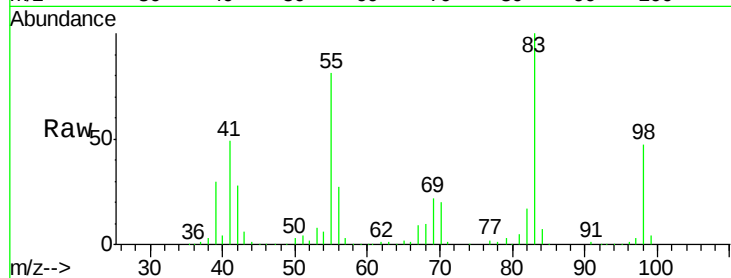
Tot Ion: 83 Resp: 104237

Ion Ratio Lower Upper

83 100

55 80.9 65.4 98.0

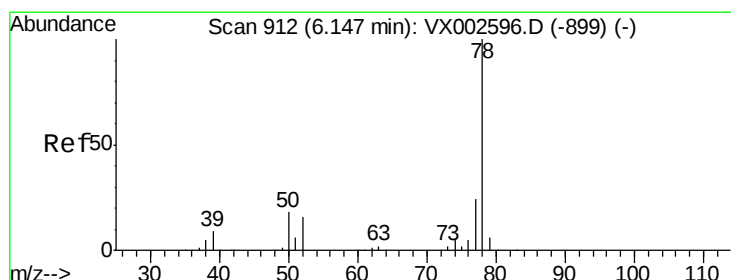
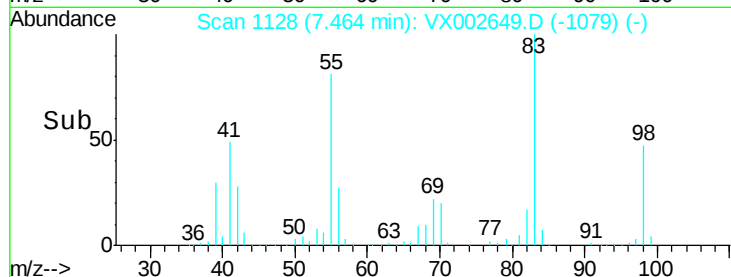
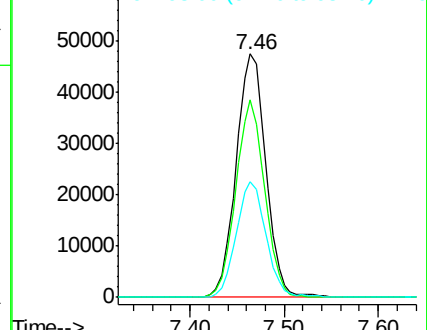
98 47.3 37.4 56.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 50.79 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX002649.D

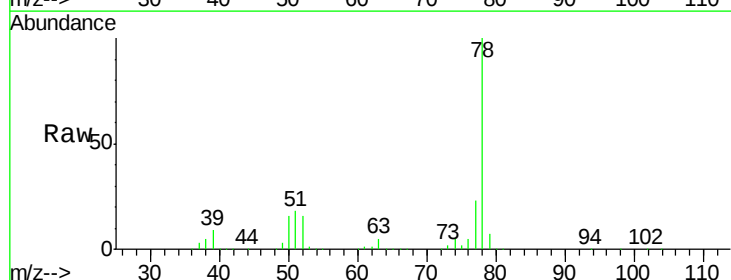
Acq: 16 Jun 2018 15:34

Tgt Ion: 78 Resp: 455573

Ion Ratio Lower Upper

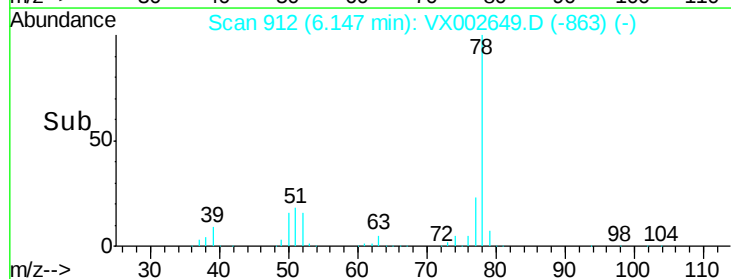
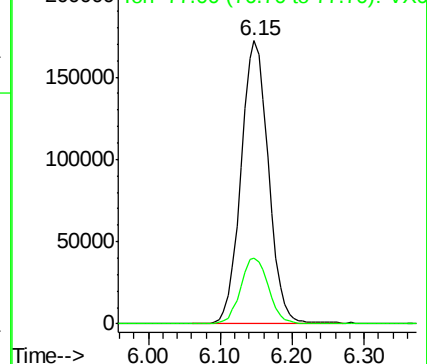
78 100

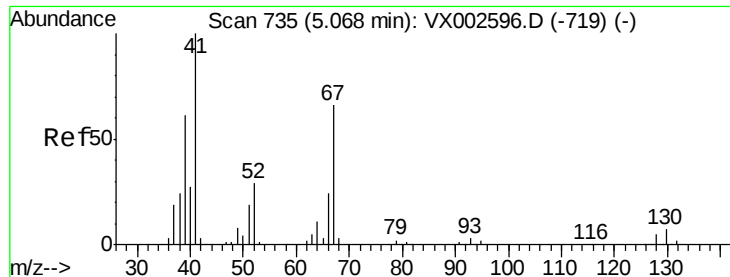
77 23.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

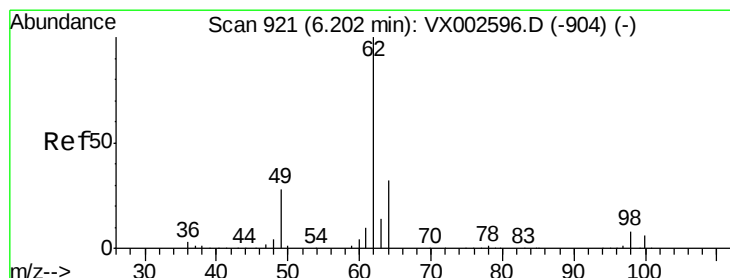
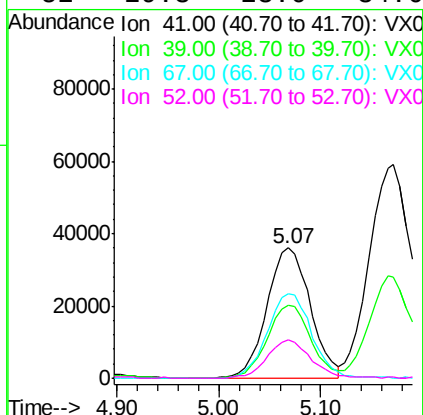
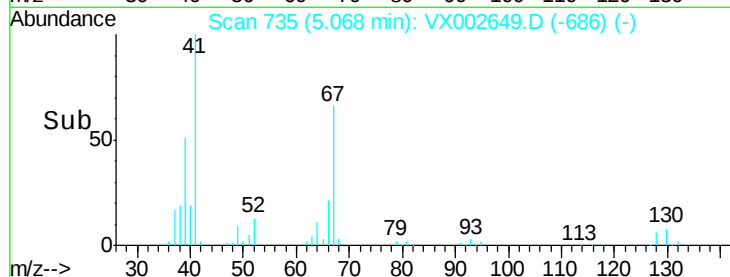
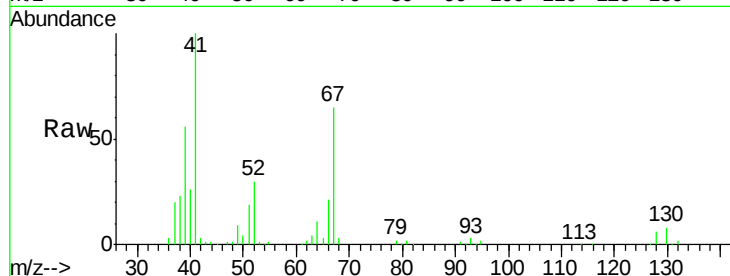




#41
Methacrylonitrile
Concen: 55.72 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

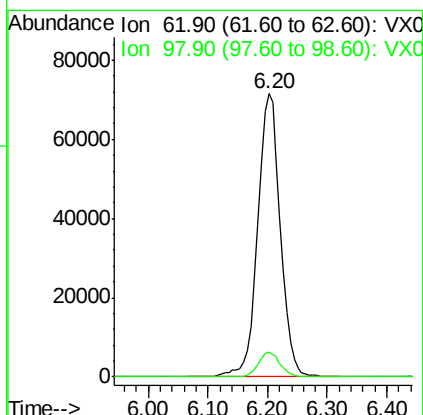
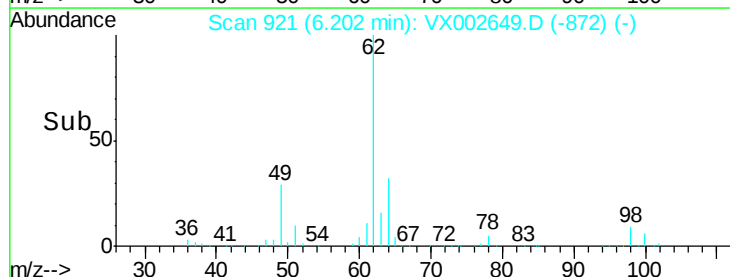
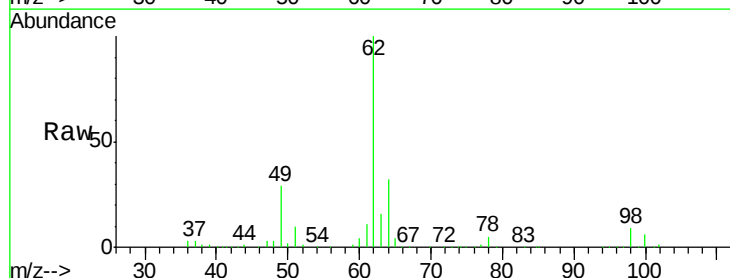
Instrument :
MSVOA_X
ClientSampled :
S36-0135MSD

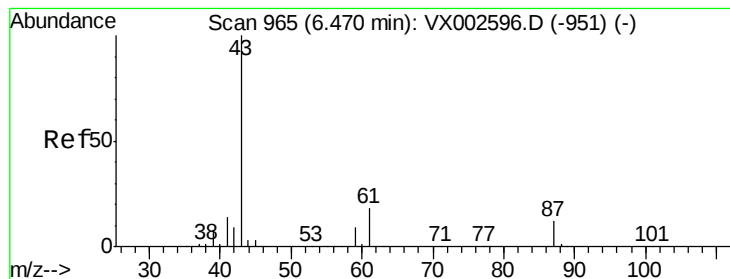
Tot Ion:	41	Resp:	106509
Ion	Ratio	Lower	Upper
41	100		
39	55.6	45.8	68.6
67	66.6	51.3	76.9
52	29.3	23.0	34.6



#42
1,2-Dichloroethane
Concen: 54.36 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion:	62	Resp:	188773
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 48.11 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampled :

S36-0135MSD

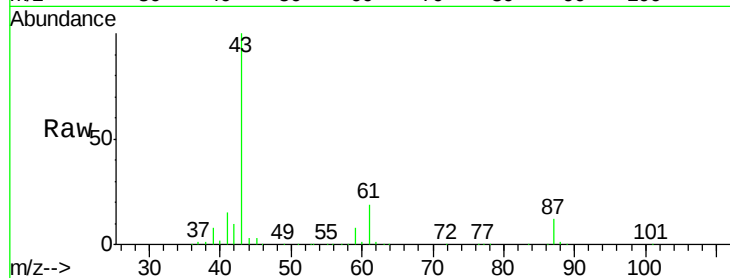
Tot Ion: 43 Resp: 269874

Ion Ratio Lower Upper

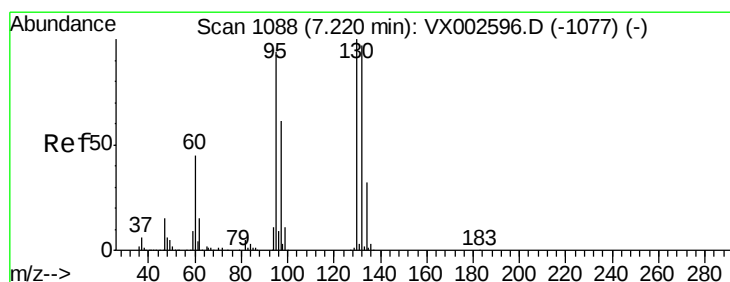
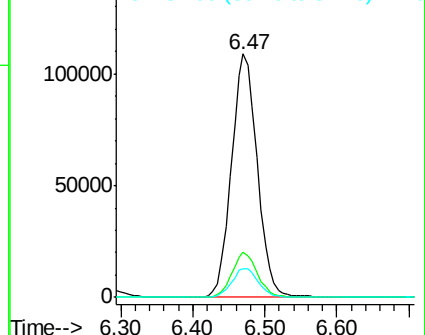
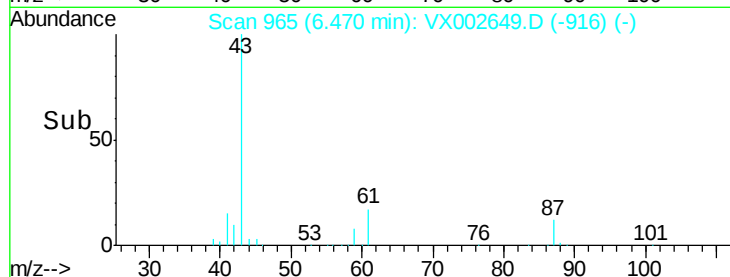
43 100

61 18.2 14.4 21.6

87 12.3 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VX002649.D (-916) (-)



#44

Trichloroethene

Concen: 46.40 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX002649.D

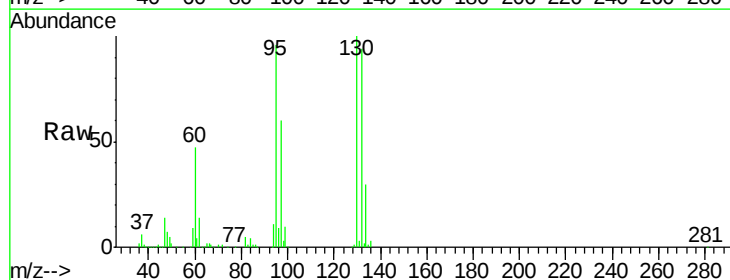
Acq: 16 Jun 2018 15:34

Tgt Ion:130 Resp: 120123

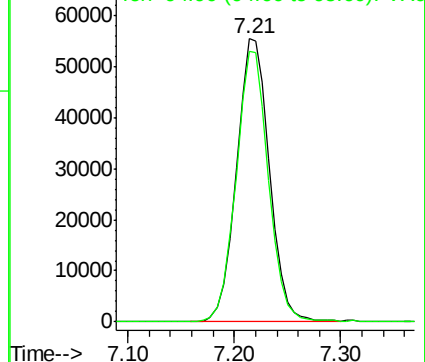
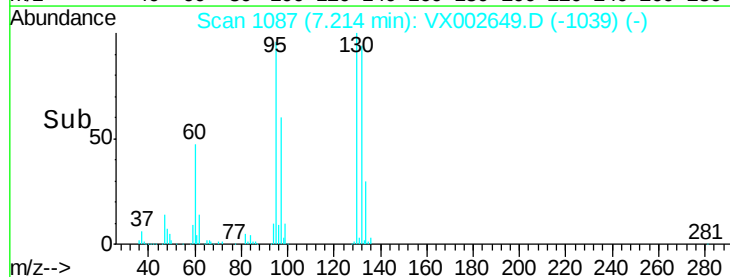
Ion Ratio Lower Upper

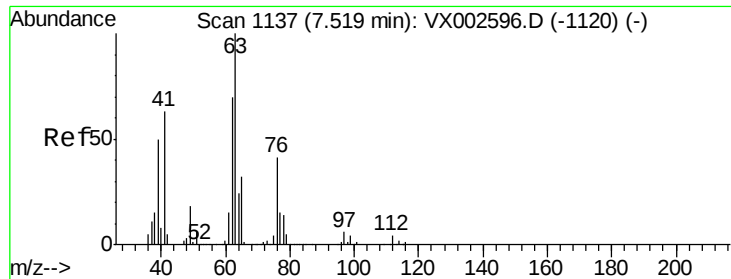
130 100

95 95.8 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VX002649.D (-1039) (-)

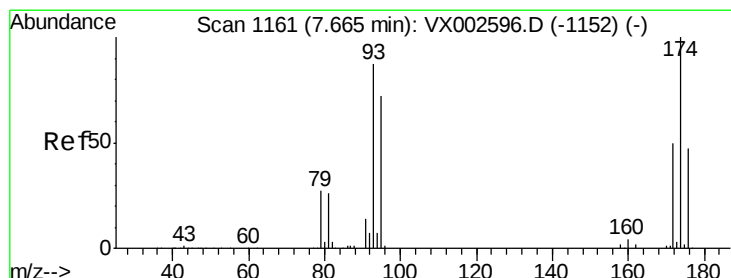
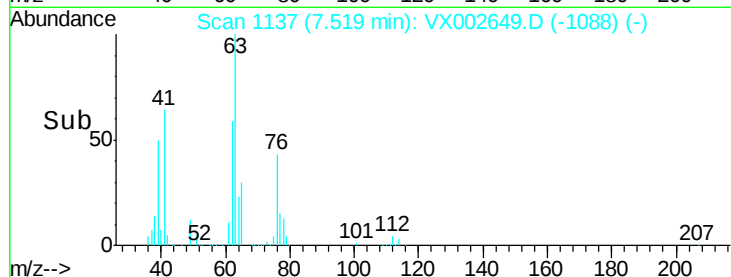
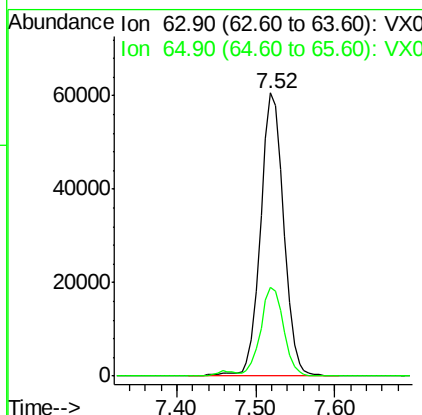
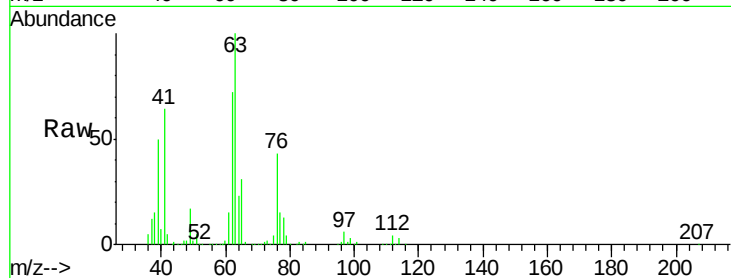




#45
 1,2-Dichloropropane
 Concen: 52.63 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

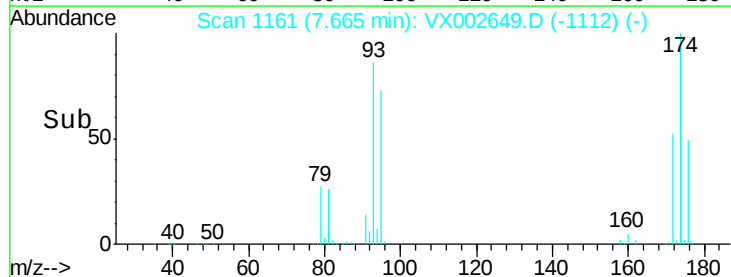
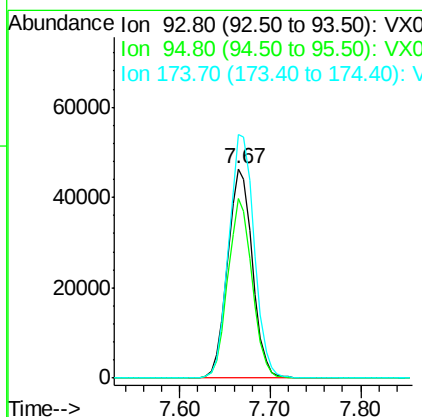
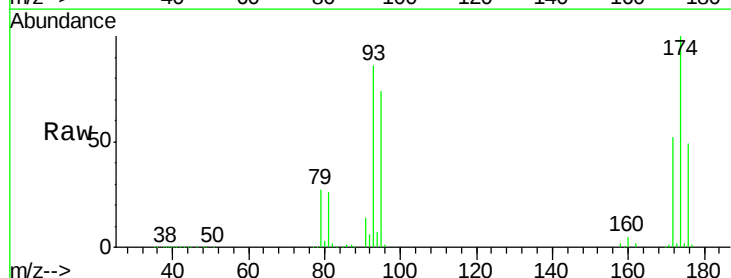
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MSD

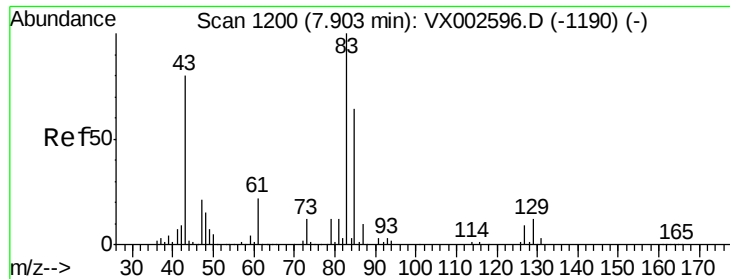
Tot Ion: 63 Resp: 124223
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1



#46
 Dibromomethane
 Concen: 55.83 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion: 93 Resp: 88148
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.9 98.9
 174 119.2 92.4 138.6





#47

Bromodichloromethane

Concen: 57.61 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

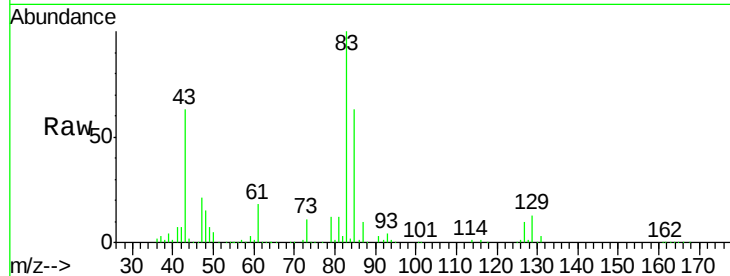
Tot Ion: 83 Resp: 160440

Ion Ratio Lower Upper

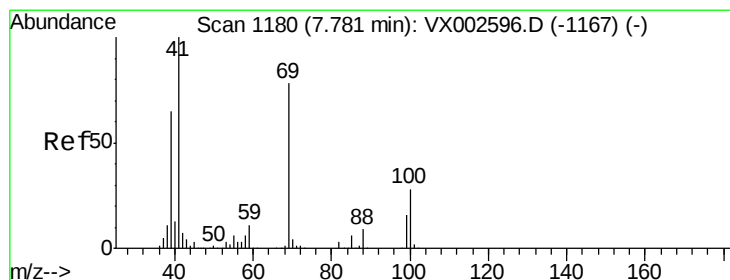
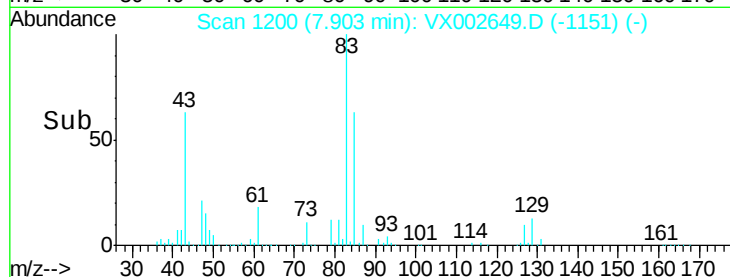
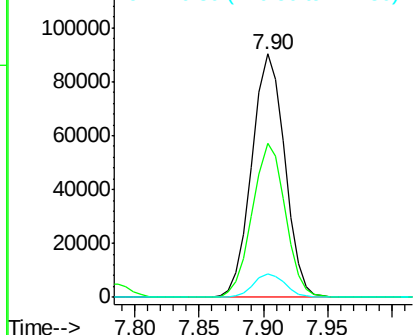
83 100

85 63.3 50.3 75.5

127 9.6 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.98 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

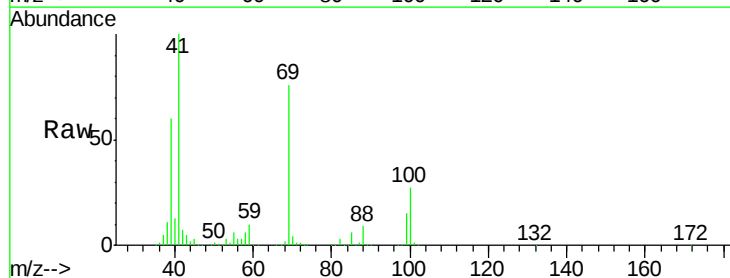
Tgt Ion: 41 Resp: 157595

Ion Ratio Lower Upper

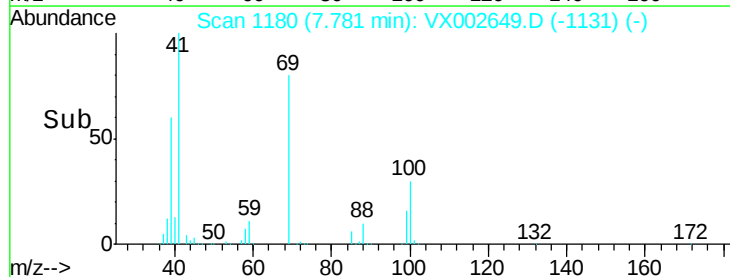
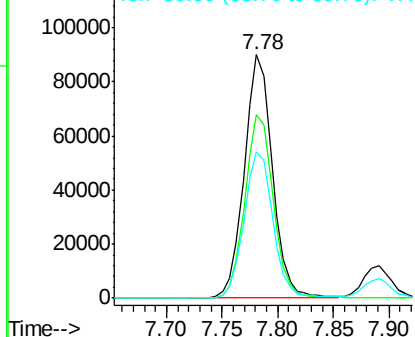
41 100

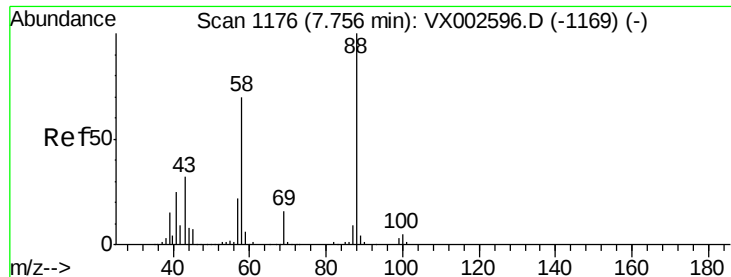
69 77.3 59.1 88.7

39 61.9 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1040.36 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

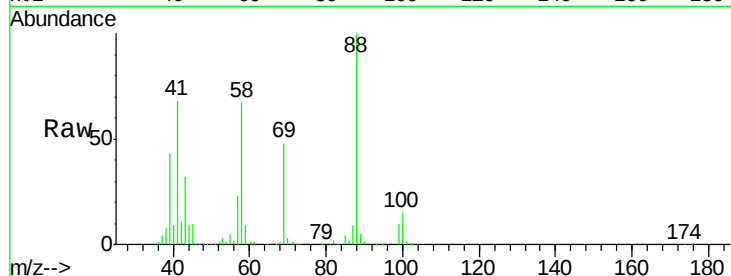
Tot Ion: 88 Resp: 56474

Ion Ratio Lower Upper

88 100

43 36.8 29.8 44.6

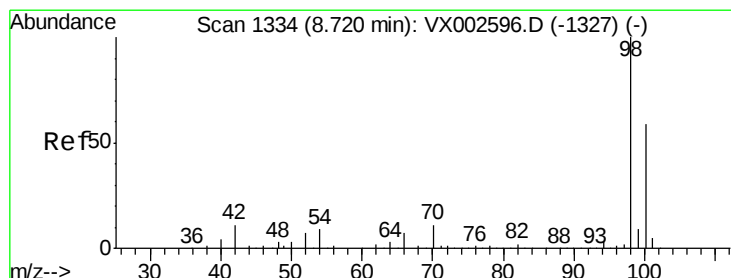
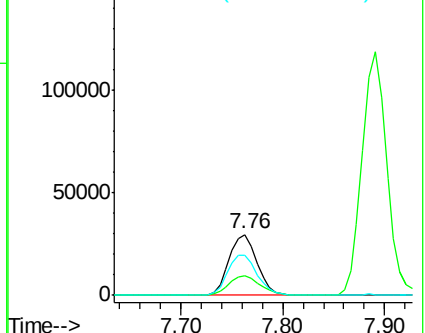
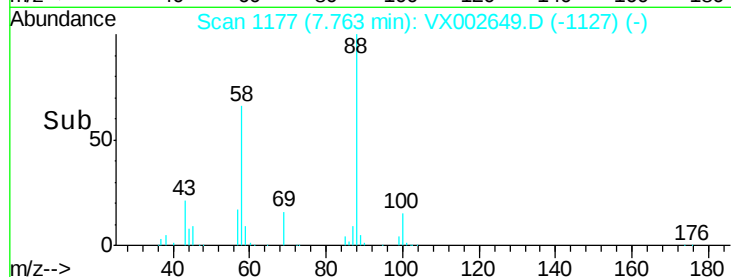
58 70.2 57.1 85.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.66 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002649.D

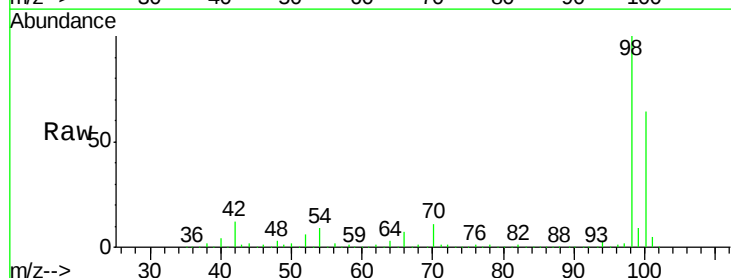
Acq: 16 Jun 2018 15:34

Tgt Ion: 98 Resp: 423862

Ion Ratio Lower Upper

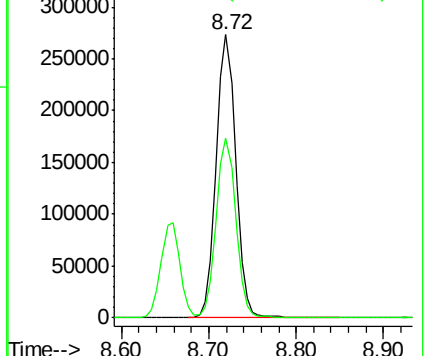
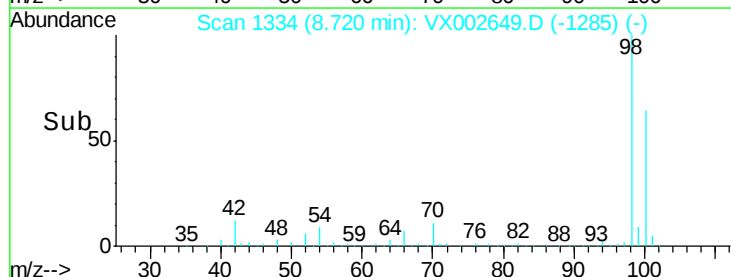
98 100

100 63.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 277.94 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

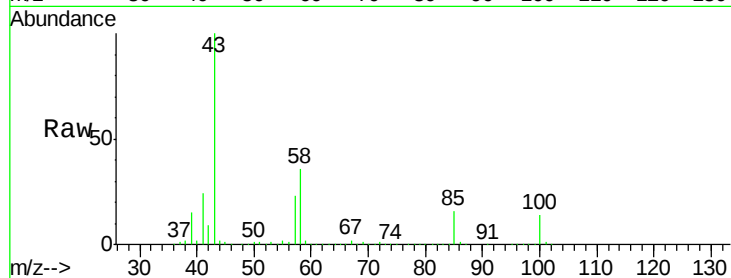
S36-0135MSD

Tot Ion: 43 Resp: 1001012

Ion Ratio Lower Upper

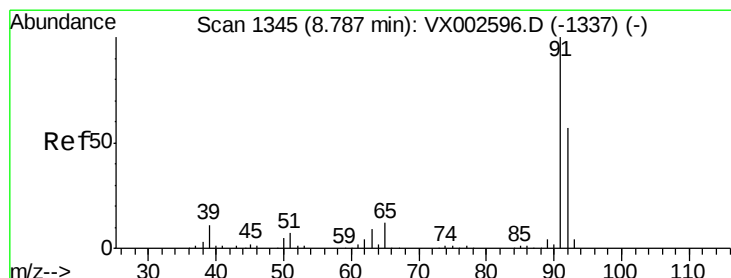
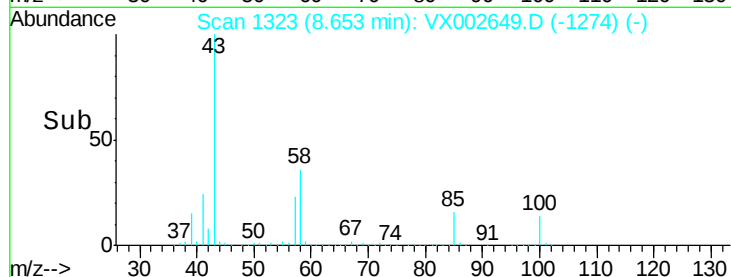
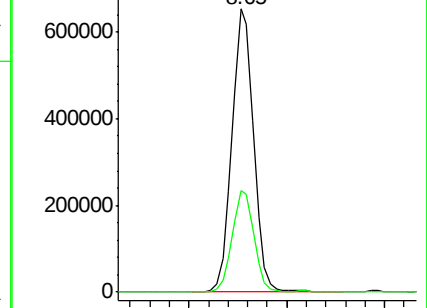
43 100

58 36.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.10 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002649.D

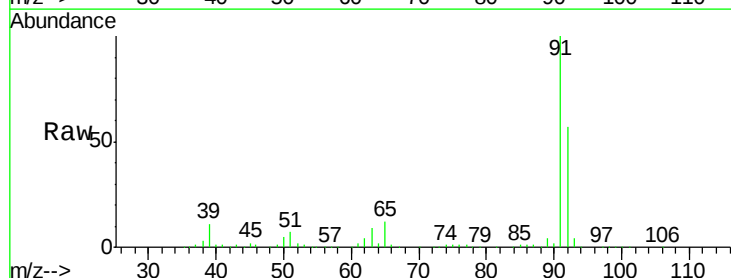
Acq: 16 Jun 2018 15:34

Tgt Ion: 92 Resp: 286611

Ion Ratio Lower Upper

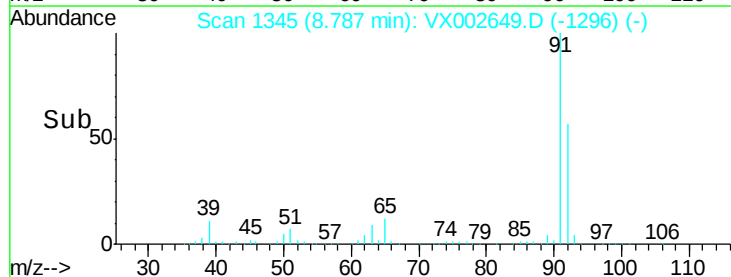
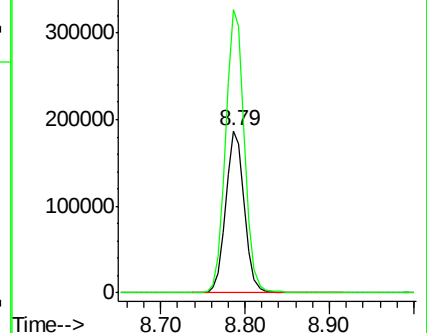
92 100

91 176.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 45.57 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

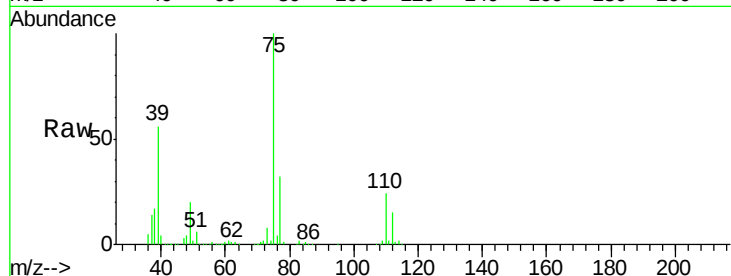
S36-0135MSD

Tot Ion: 75 Resp: 167173

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

120000

100000

80000

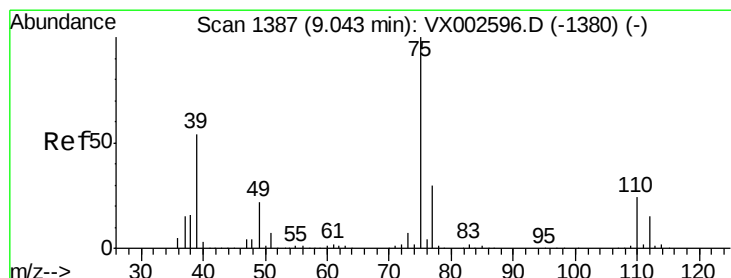
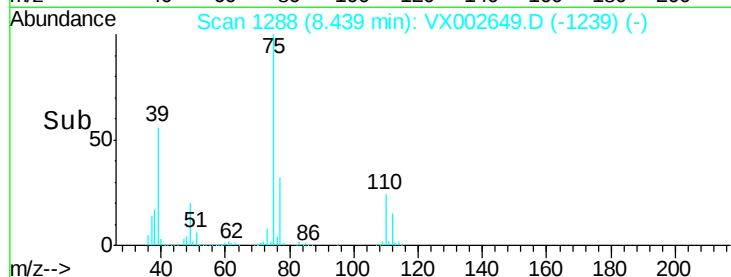
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 44.49 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

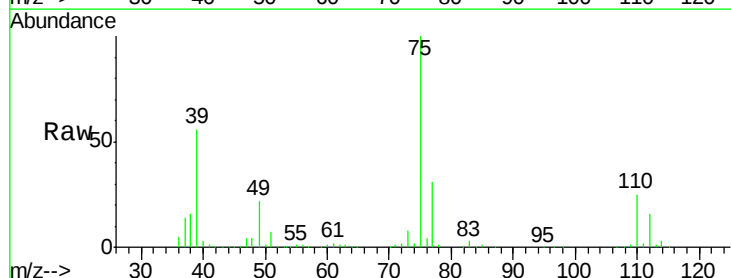
Tgt Ion: 75 Resp: 155145

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 55.8 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

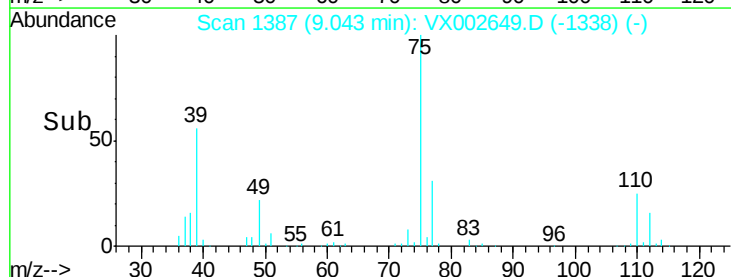
9.04

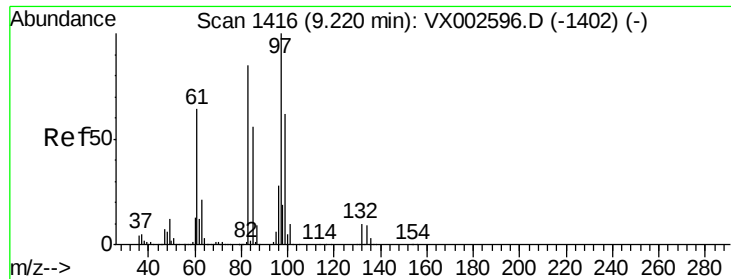
100000

50000

0

Time-->

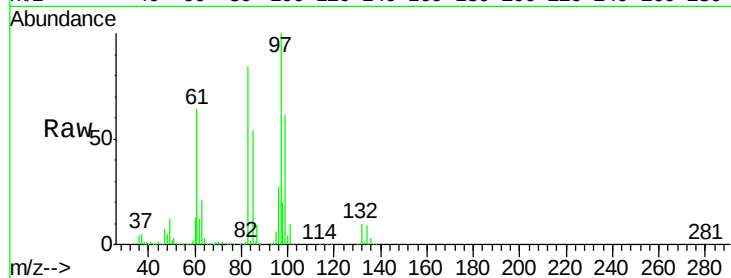




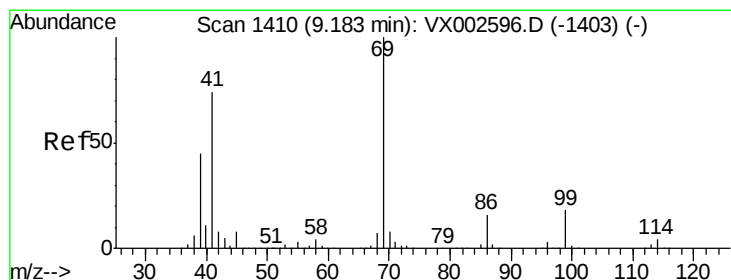
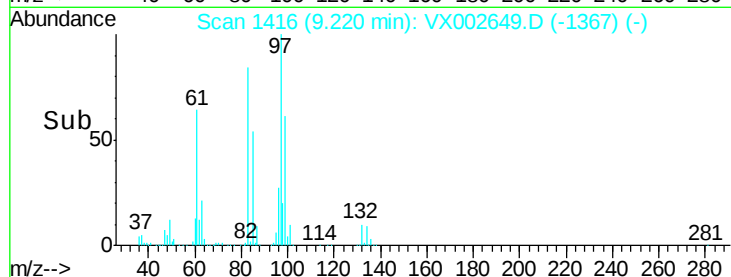
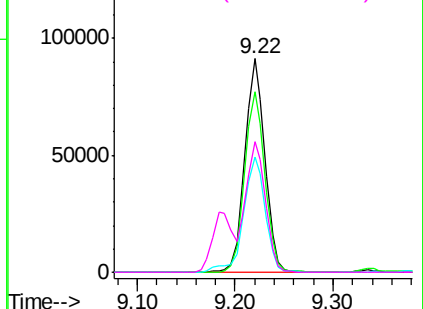
#55
 1,1,2-Trichloroethane
 Concen: 56.30 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Instrument :
 MSVOA_X
 ClientSampled :
 S36-0135MSD

Tot Ion: 97 Resp: 130156
 Ion Ratio Lower Upper
 97 100
 83 84.2 70.2 105.2
 85 54.0 44.9 67.3
 99 61.0 49.8 74.8

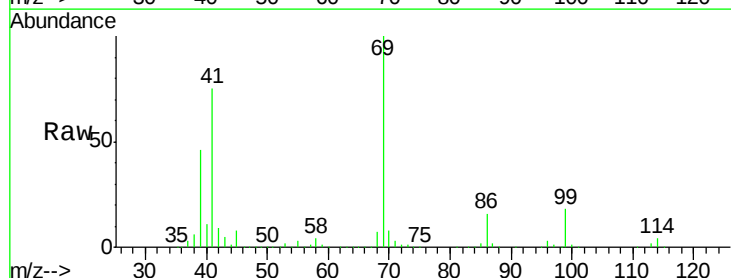


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

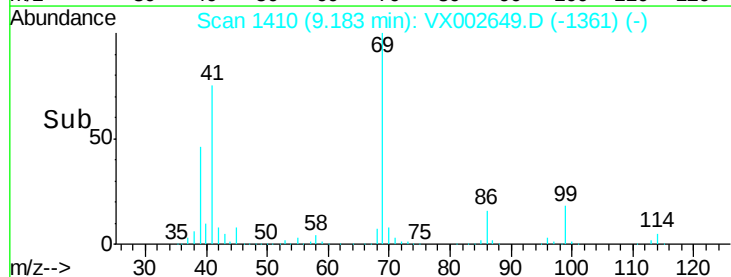
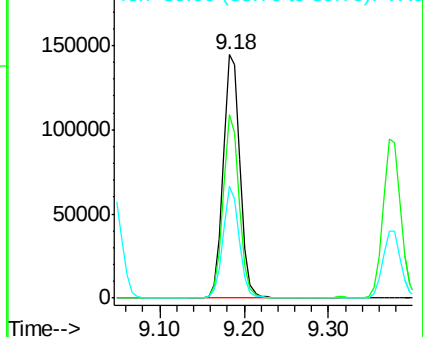


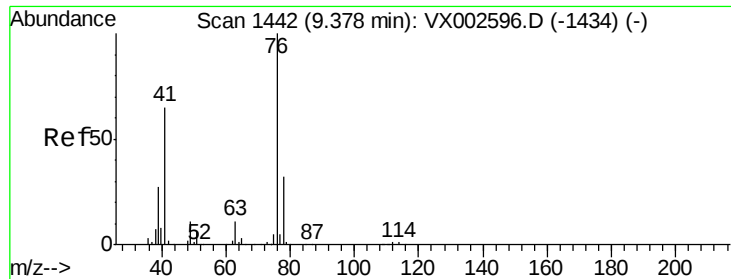
#56
 Ethyl methacrylate
 Concen: 56.19 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion: 69 Resp: 199913
 Ion Ratio Lower Upper
 69 100
 41 72.4 60.3 90.5
 39 44.0 35.8 53.8



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 54.43 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

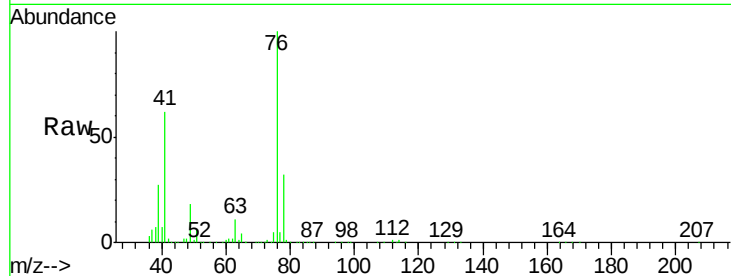
S36-0135MSD

Tot Ion: 76 Resp: 212826

Ion Ratio Lower Upper

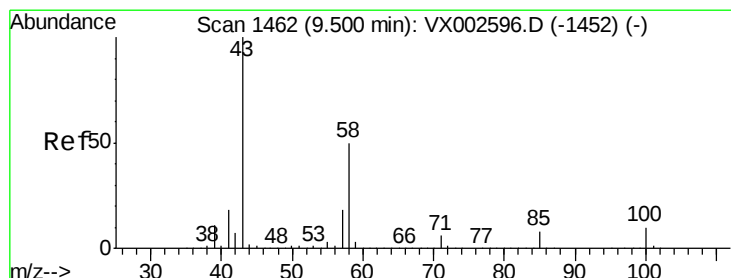
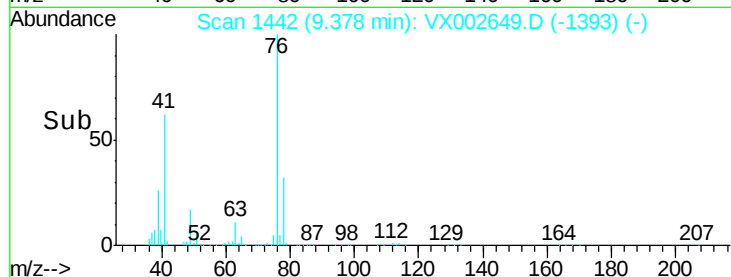
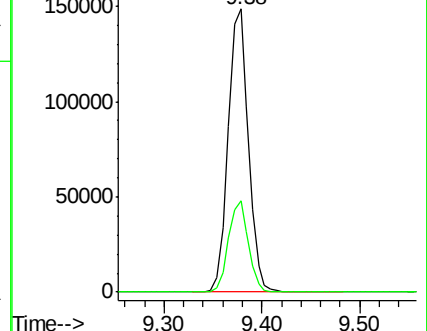
76 100

78 31.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 279.49 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX002649.D

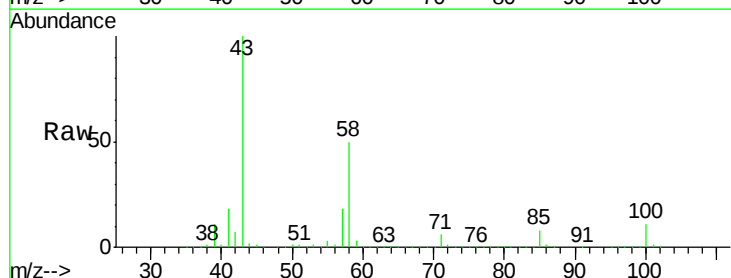
Acq: 16 Jun 2018 15:34

Tgt Ion: 43 Resp: 758514

Ion Ratio Lower Upper

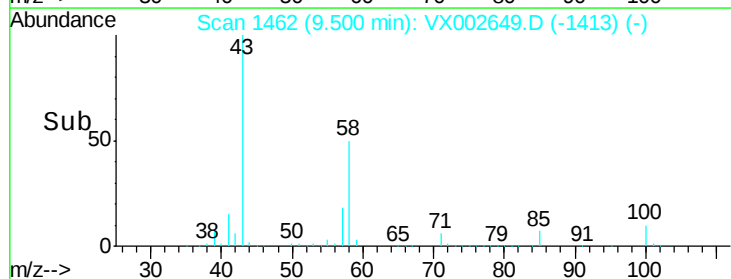
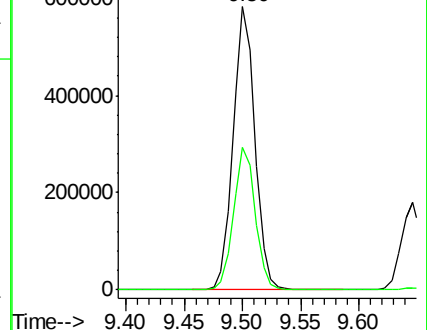
43 100

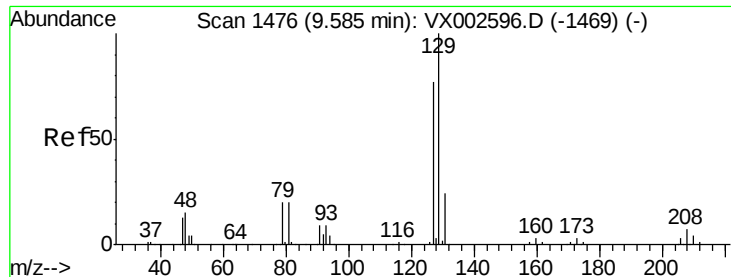
58 50.5 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 51.41 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

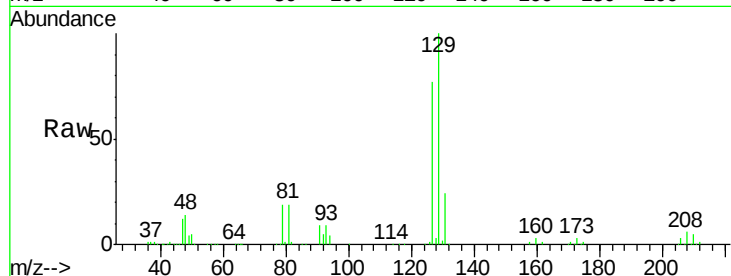
S36-0135MSD

Tot Ion:129 Resp: 133996

Ion Ratio Lower Upper

129 100

127 77.0 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

100000

80000

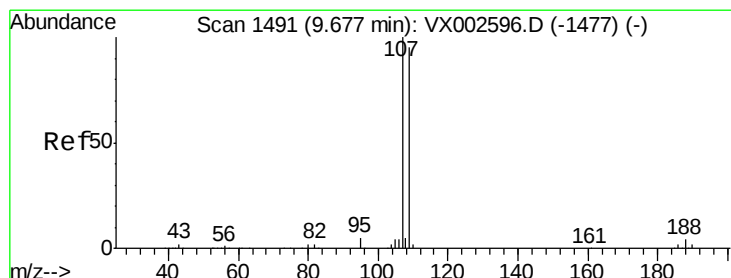
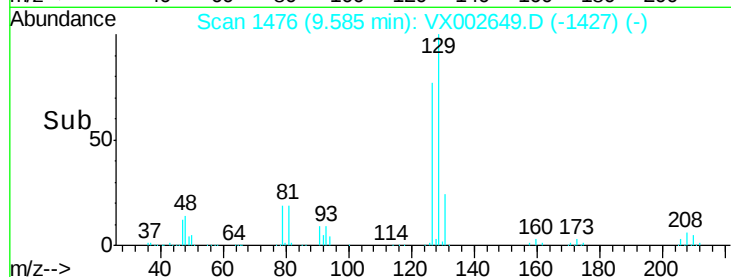
60000

40000

20000

0

Time--> 9.50 9.55 9.60 9.65



#61

1,2-Dibromoethane

Concen: 57.14 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002649.D

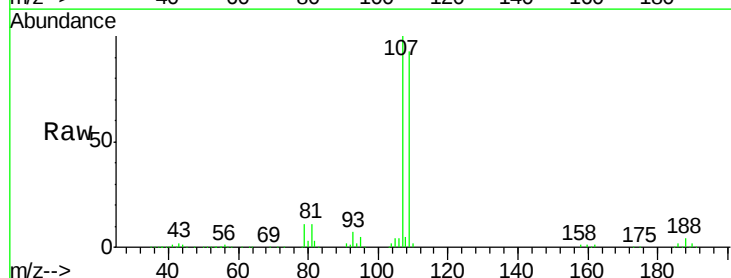
Acq: 16 Jun 2018 15:34

Tgt Ion:107 Resp: 136803

Ion Ratio Lower Upper

107 100

109 94.3 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

100000

80000

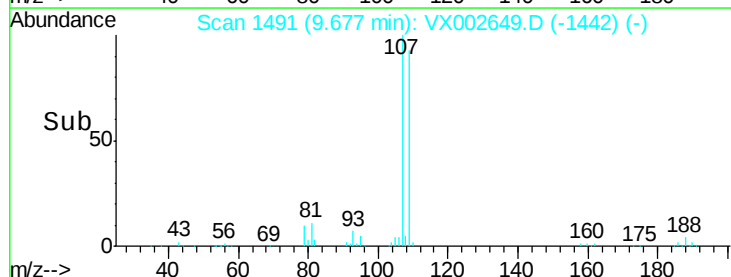
60000

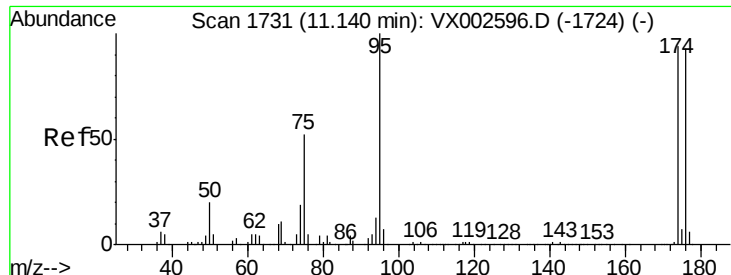
40000

20000

0

Time--> 9.60 9.70 9.80





#62

4-Bromofluorobenzene

Concen: 50.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

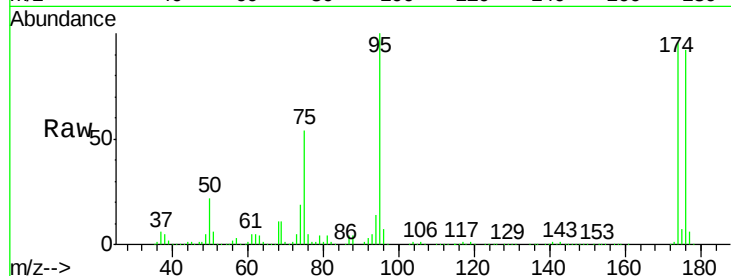
Tot Ion: 95 Resp: 163305

Ion Ratio Lower Upper

95 100

174 99.2 0.0 187.4

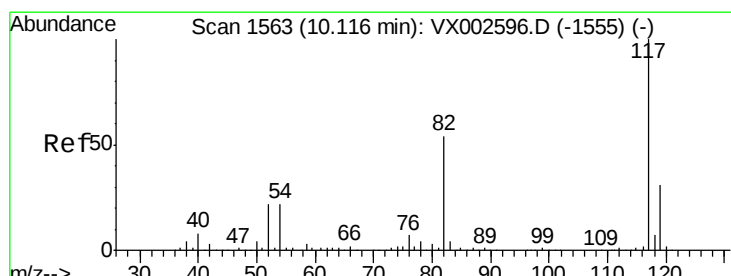
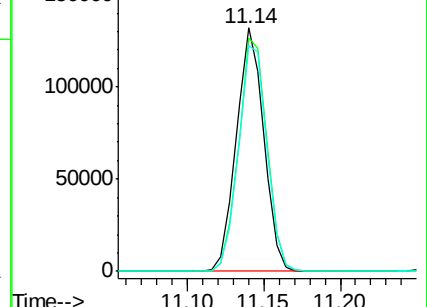
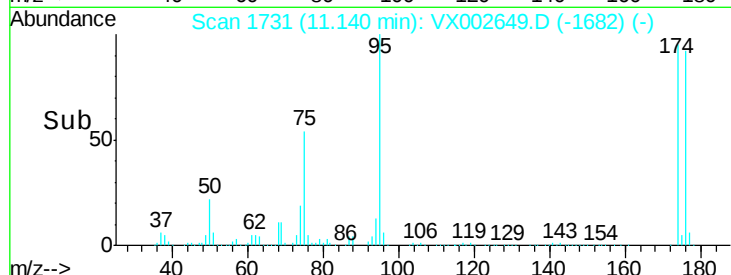
176 96.6 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002649.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002649.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002649.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

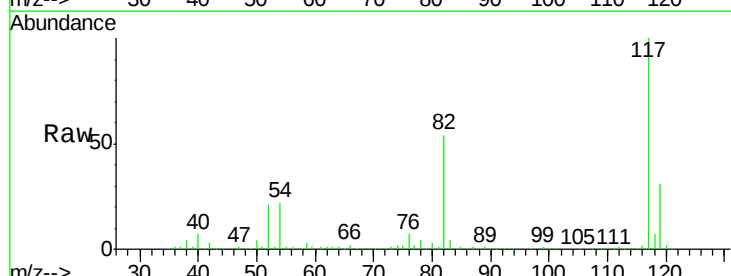
Tgt Ion: 117 Resp: 277496

Ion Ratio Lower Upper

117 100

82 54.1 45.0 67.4

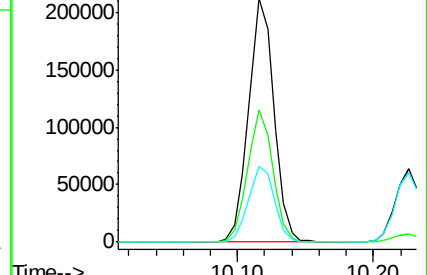
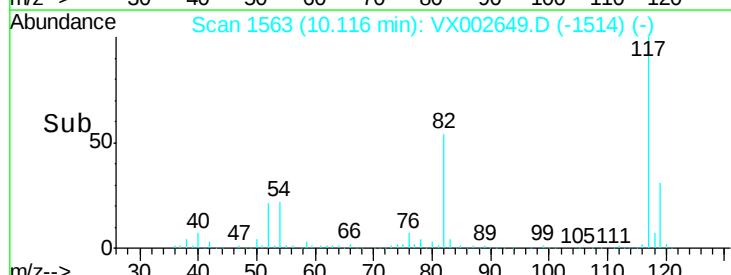
119 31.4 25.8 38.6

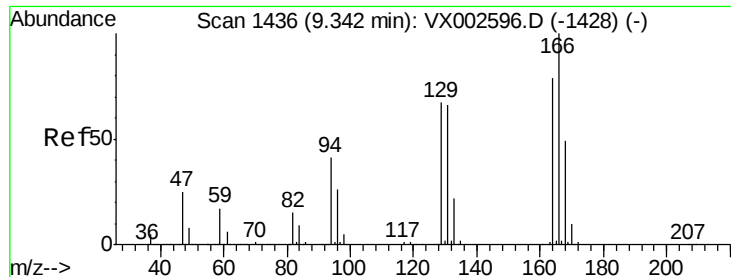


Abundance Ion 116.90 (116.60 to 117.60): VX002649.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002649.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002649.D (-1514) (-)





#64

Tetrachloroethene

Concen: 34.98 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

Tot Ion:164 Resp: 107750

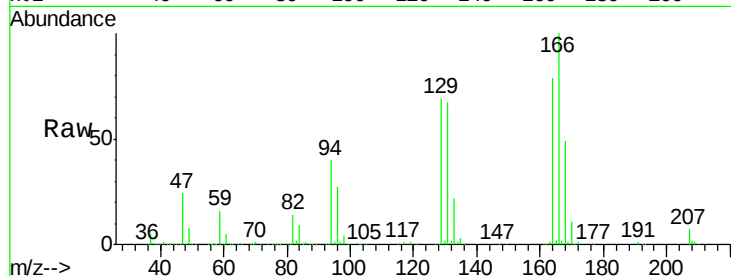
Ion Ratio Lower Upper

164 100

166 126.6 102.9 154.3

129 86.8 68.6 102.8

131 84.3 66.8 100.2

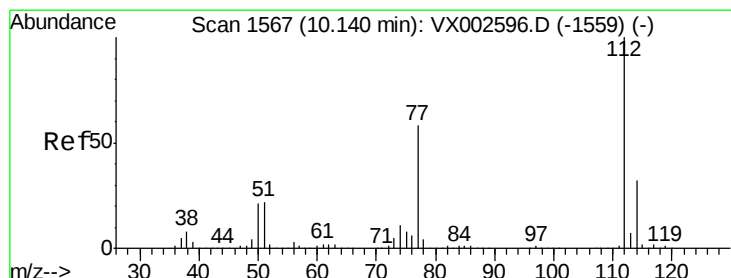
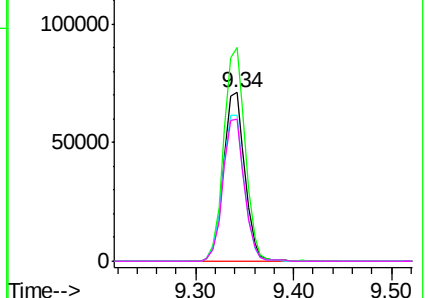
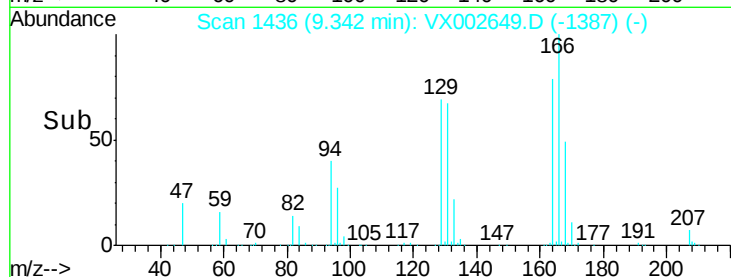


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 52.12 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002649.D

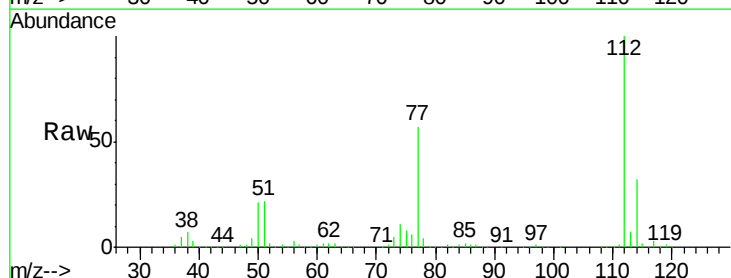
Acq: 16 Jun 2018 15:34

Tgt Ion:112 Resp: 355171

Ion Ratio Lower Upper

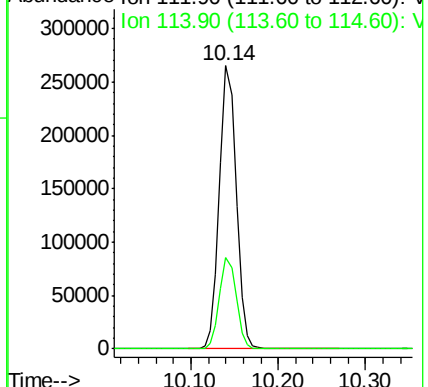
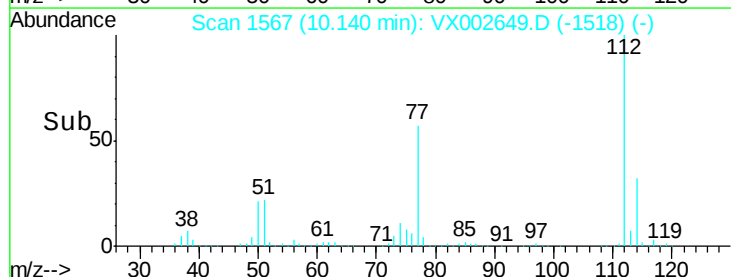
112 100

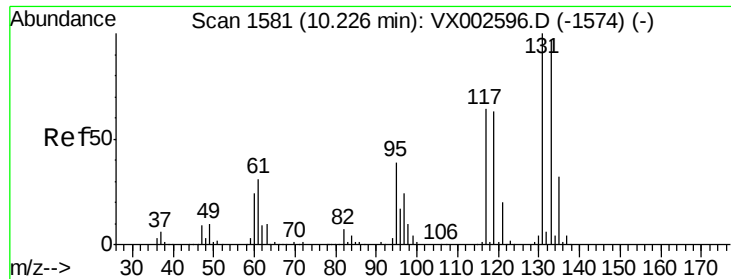
114 32.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

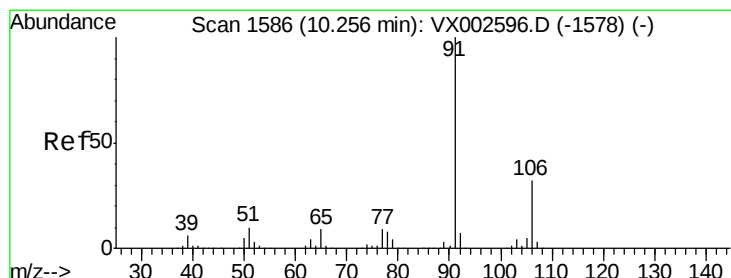
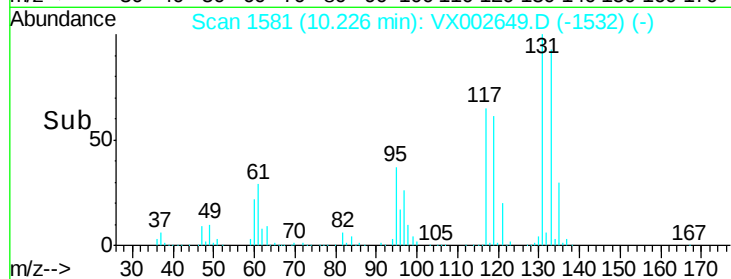
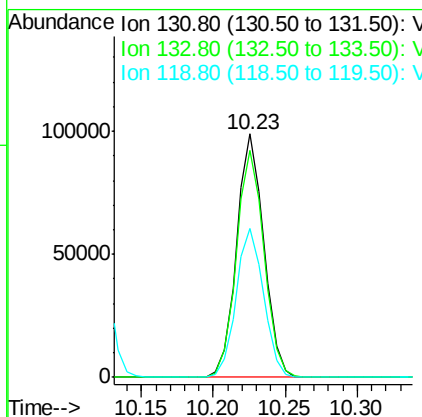
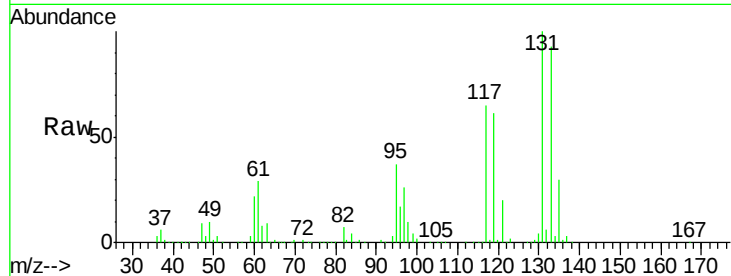




#66
 1,1,1,2-Tetrachloroethane
 Concen: 56.04 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

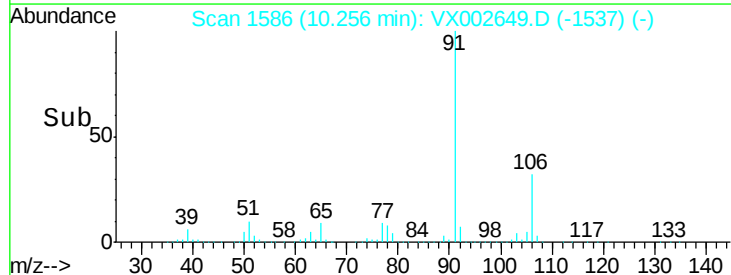
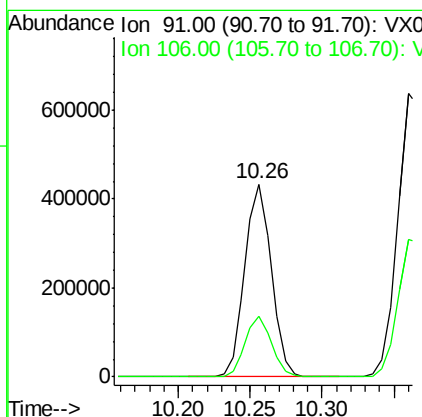
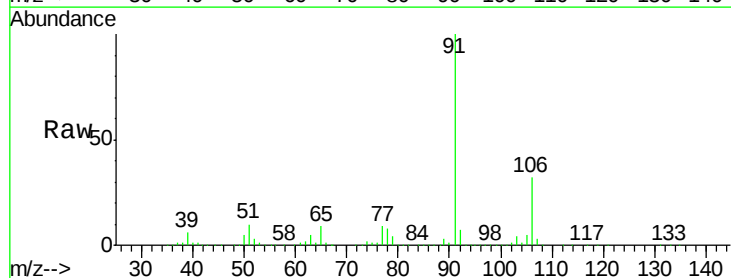
Instrument :
 MSVOA_X
 ClientSampled :
 S36-0135MSD

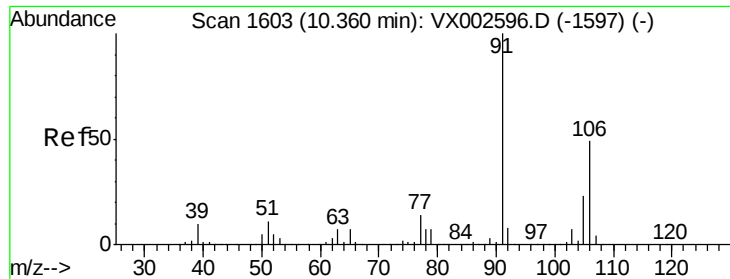
Tot Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.9	143.6
119	61.9	31.8	95.3



#67
 Ethyl Benzene
 Concen: 48.29 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.5	38.3

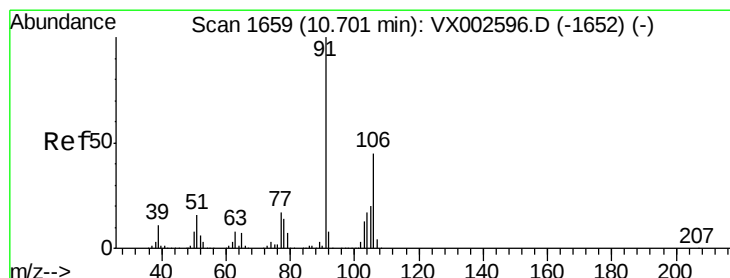
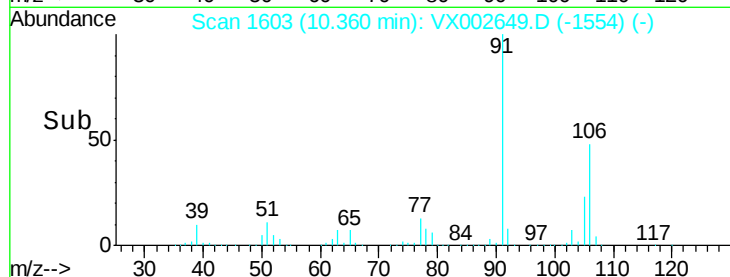
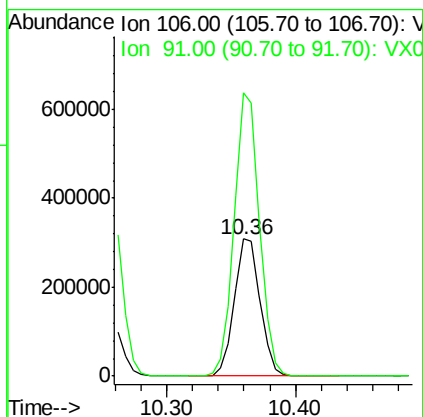
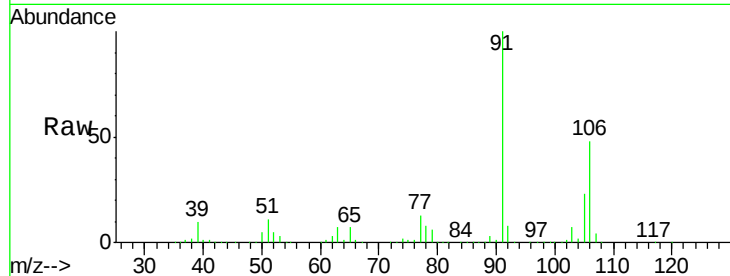




#68
m/p-Xylenes
Concen: 96.83 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

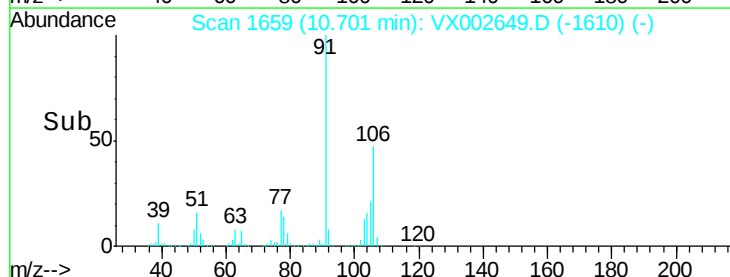
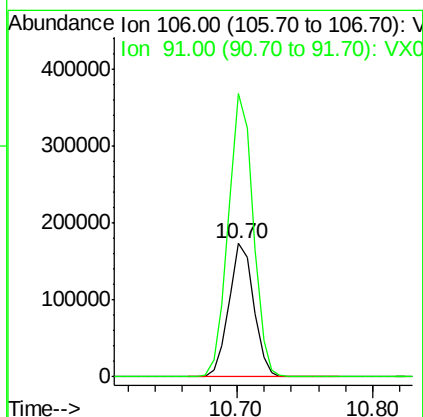
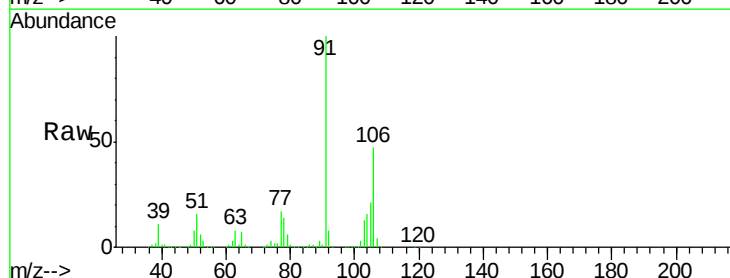
Instrument :
MSVOA_X
ClientSampleId :
S36-0135MSD

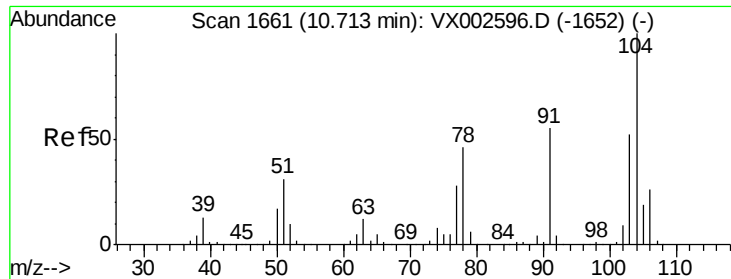
Tot Ion:106 Resp: 429321
Ion Ratio Lower Upper
106 100
91 203.1 163.4 245.2



#69
o-Xylene
Concen: 50.65 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion:106 Resp: 220632
Ion Ratio Lower Upper
106 100
91 212.4 108.2 324.6

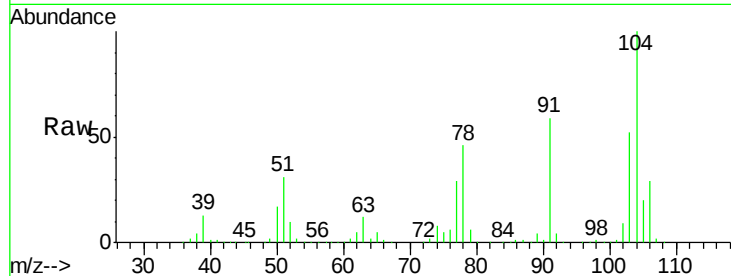




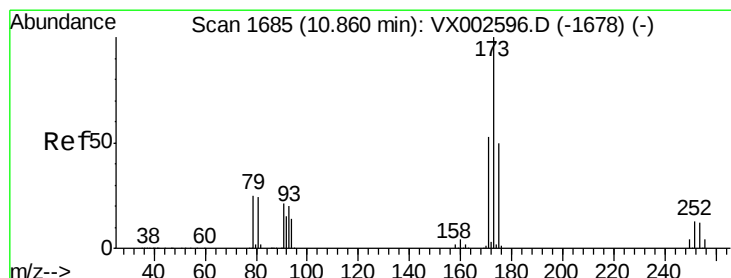
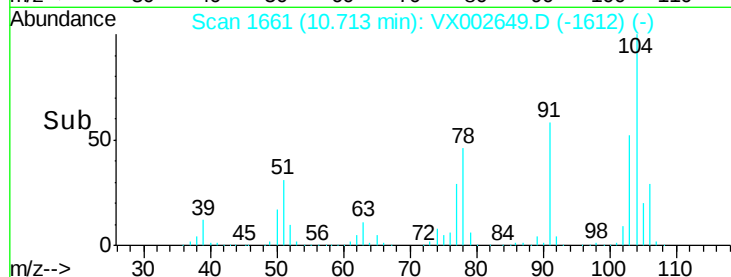
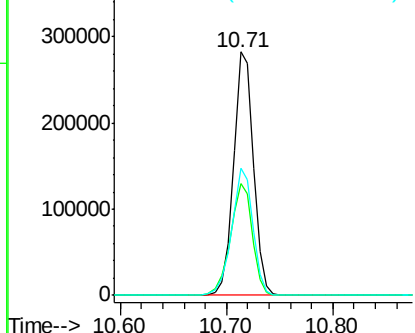
#70
Stvrene
Concen: 51.65 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Instrument :
MSVOA_X
ClientSampleId :
S36-0135MSD

Tot Ion:104 Resp: 370003
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.6
103 55.6 44.2 66.4

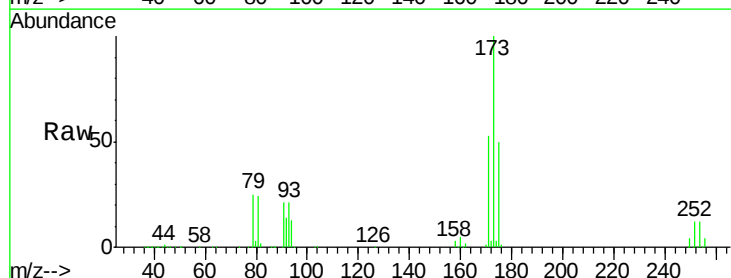


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

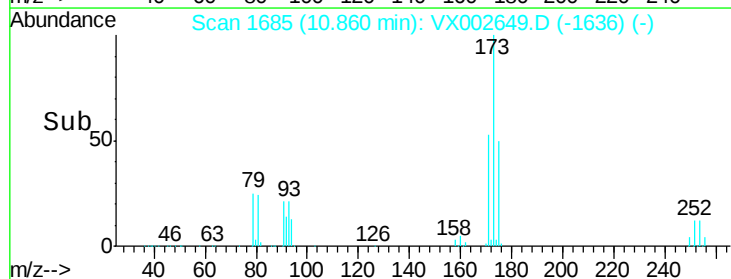
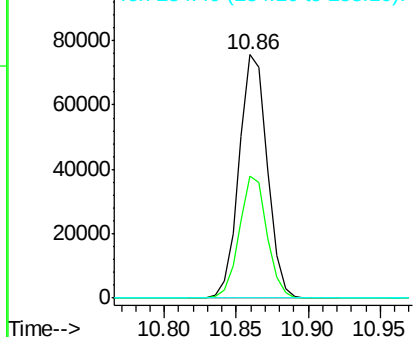


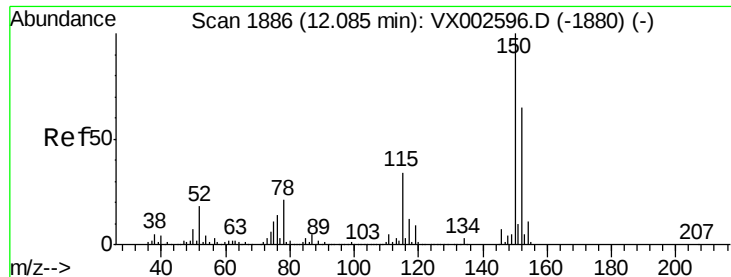
#71
Bromoform
Concen: 48.74 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion:173 Resp: 102800
Ion Ratio Lower Upper
173 100
175 49.0 24.7 74.1
254 0.2 0.2 0.2



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

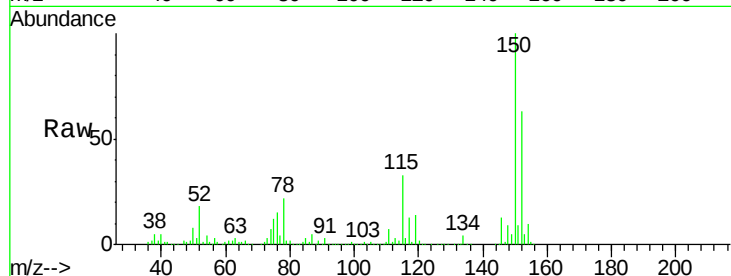
Tot Ion:152 Resp: 171750

Ion Ratio Lower Upper

152 100

115 76.8 40.1 120.2

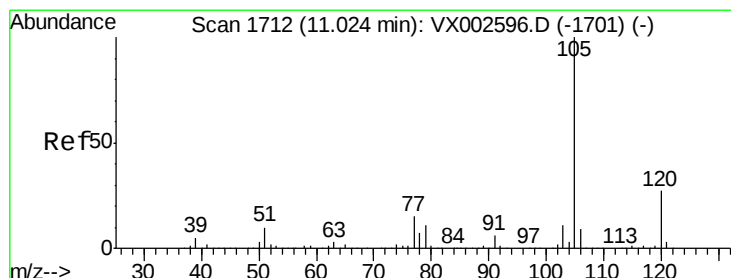
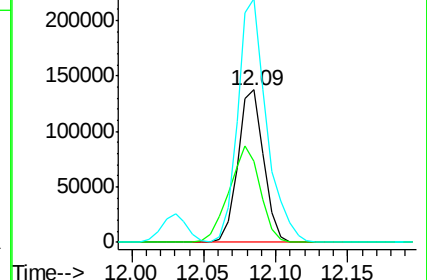
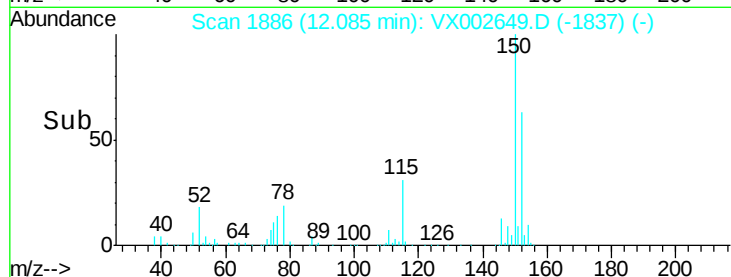
150 178.3 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 47.45 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002649.D

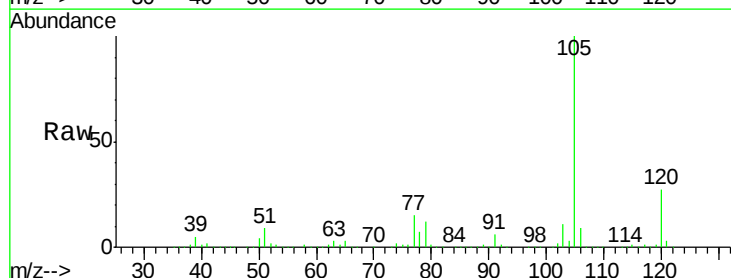
Acq: 16 Jun 2018 15:34

Tgt Ion:105 Resp: 544996

Ion Ratio Lower Upper

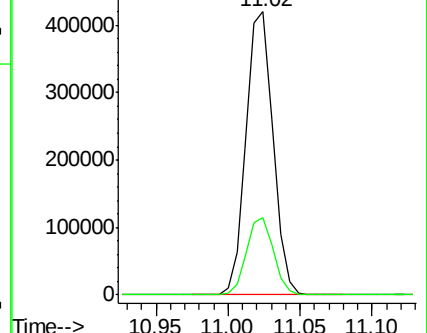
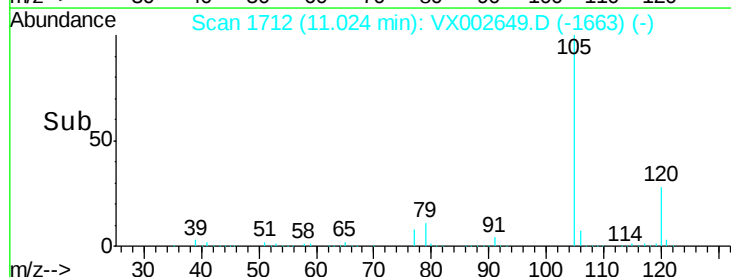
105 100

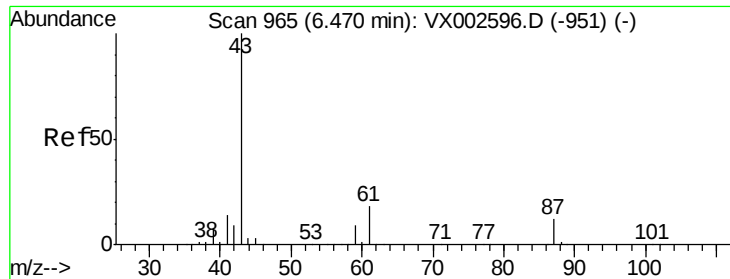
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.29 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

Tot Ion: 43 Resp: 269874

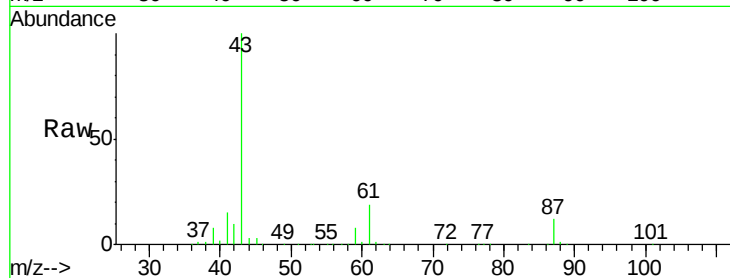
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.2 14.4 21.6

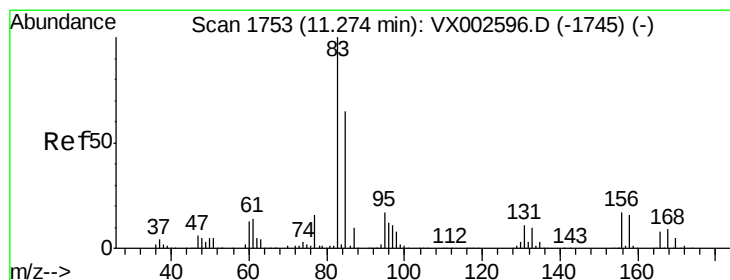
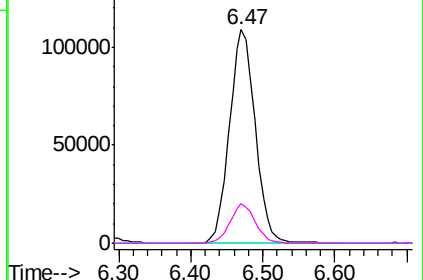
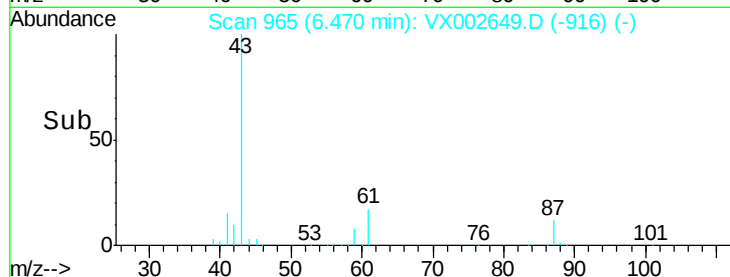


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 60.03 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

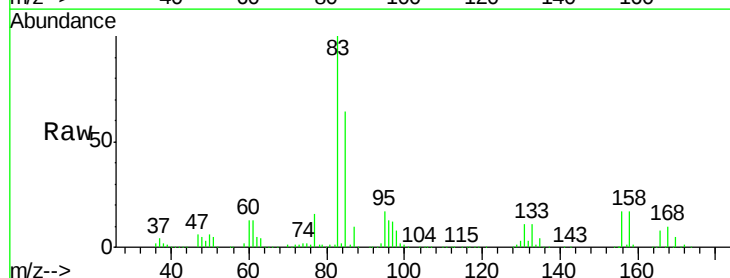
Tgt Ion: 83 Resp: 203646

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

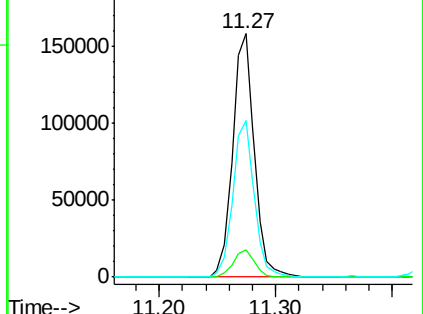
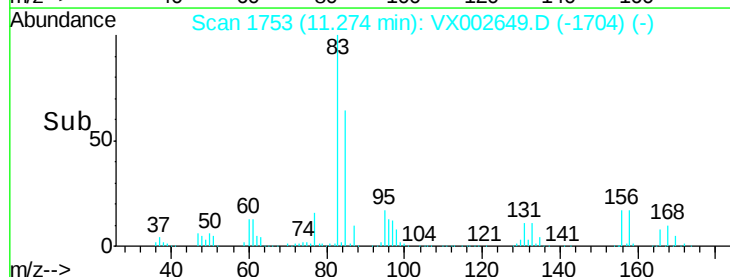
85 63.9 32.4 97.2

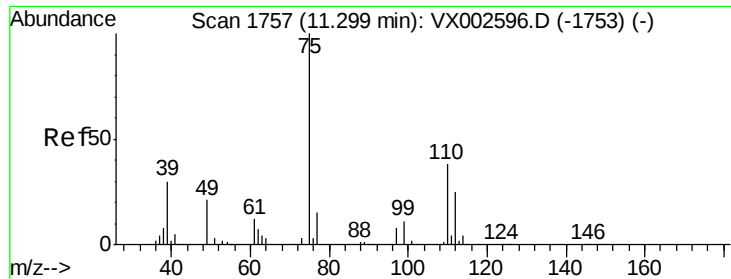


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 59.53 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

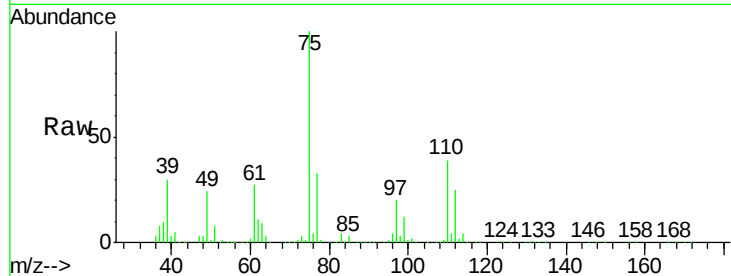
S36-0135MSD

Tot Ion: 75 Resp: 192926

Ion Ratio Lower Upper

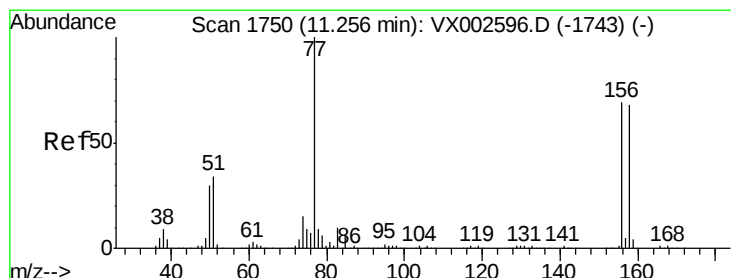
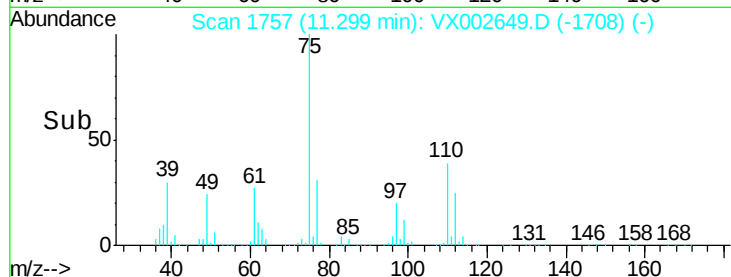
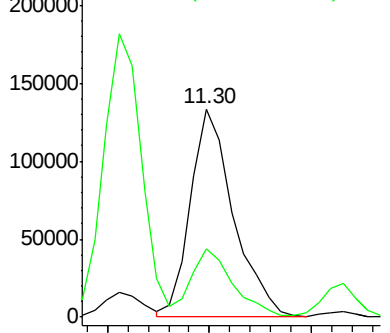
75 100

77 32.5 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX002596.D (-1753) (-)

Ion 77.00 (76.70 to 77.70): VX002596.D (-1753) (-)



#77

Bromobenzene

Concen: 53.85 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

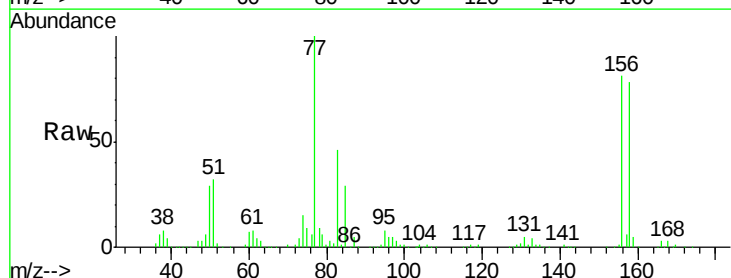
Tgt Ion: 156 Resp: 172326

Ion Ratio Lower Upper

156 100

77 136.2 71.4 214.2

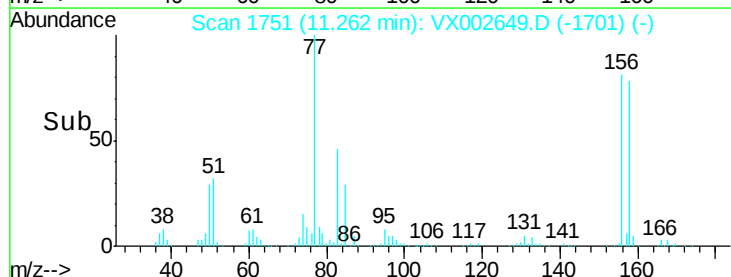
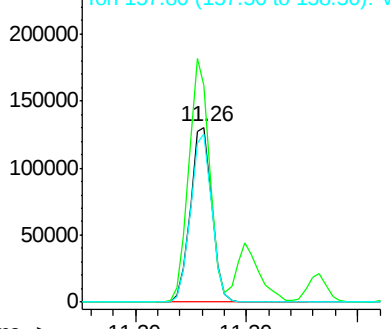
158 96.0 48.9 146.6

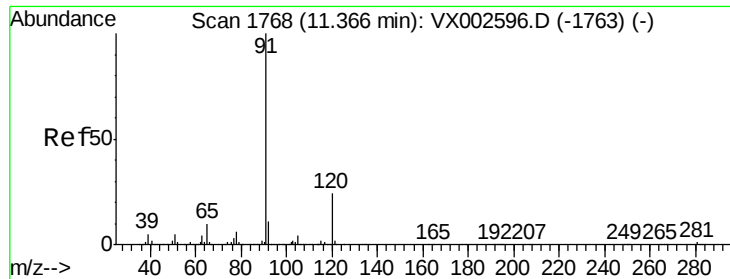


Abundance Ion 155.80 (155.50 to 156.50): VX002596.D (-1743) (-)

Ion 77.00 (76.70 to 77.70): VX002596.D (-1743) (-)

Ion 157.80 (157.50 to 158.50): VX002596.D (-1743) (-)





#78

n-propylbenzene

Concen: 46.12 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

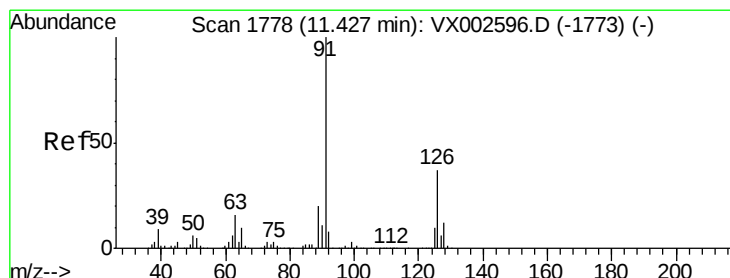
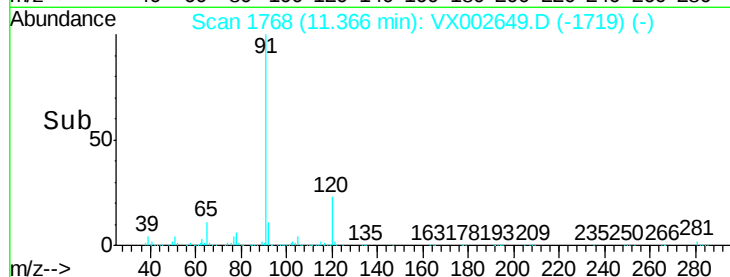
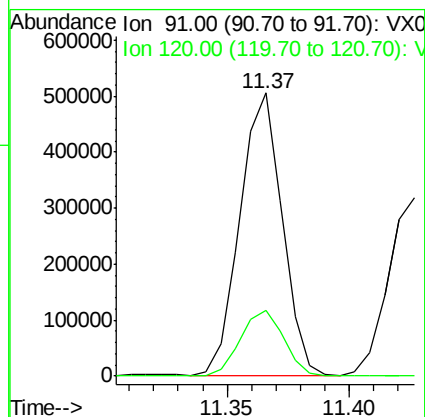
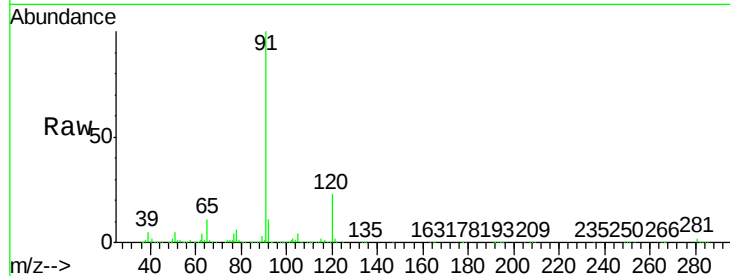
S36-0135MSD

Tot Ion: 91 Resp: 607559

Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.4



#79

2-Chlorotoluene

Concen: 50.03 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002649.D

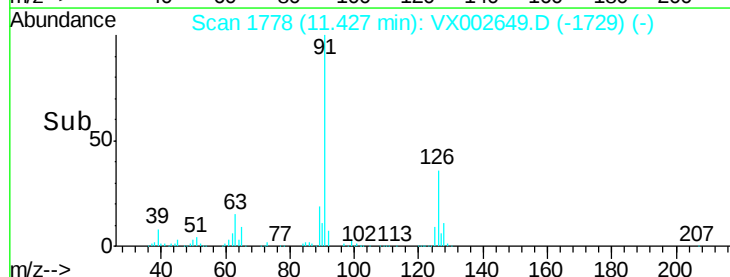
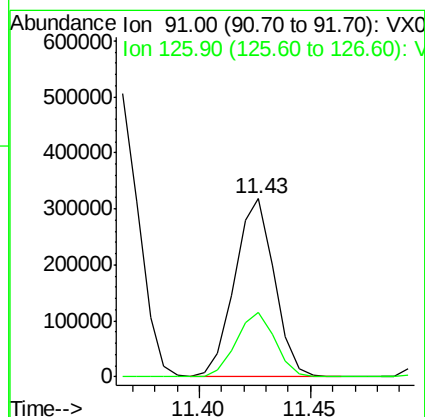
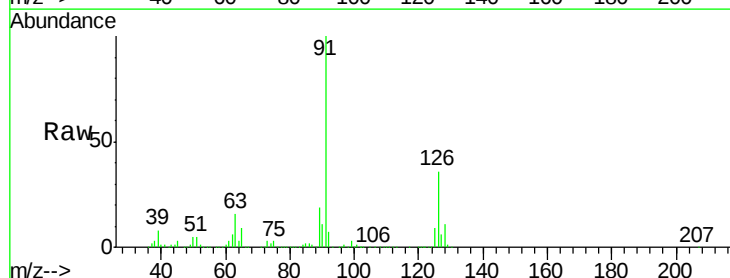
Acq: 16 Jun 2018 15:34

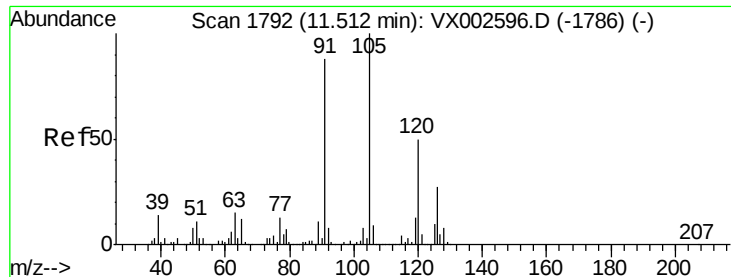
Tgt Ion: 91 Resp: 393473

Ion Ratio Lower Upper

91 100

126 36.0 17.7 53.1

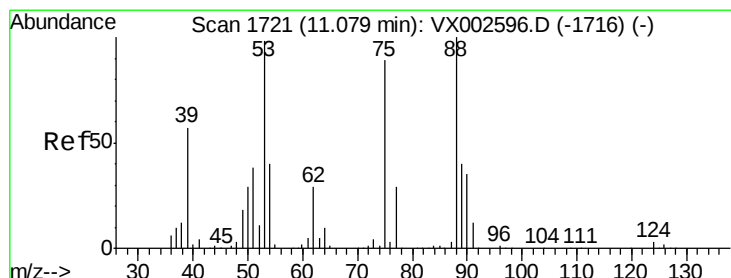
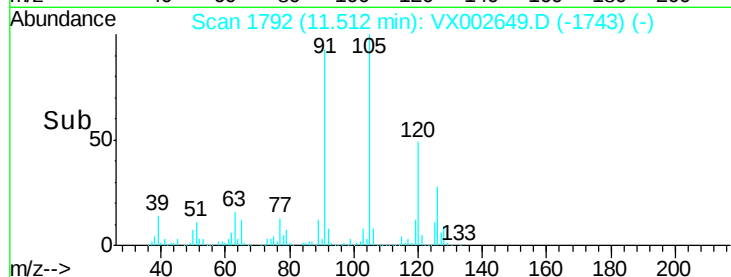
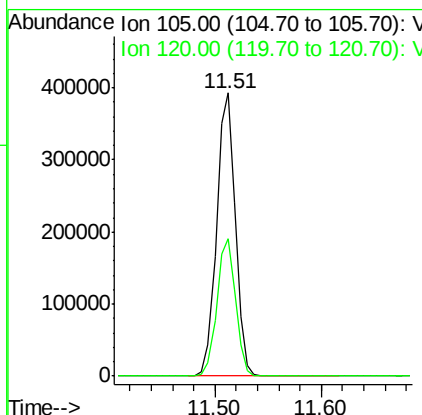
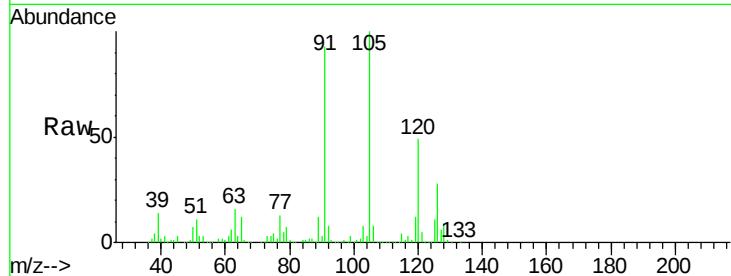




#80
 1,3,5-Trimethylbenzene
 Concen: 49.00 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

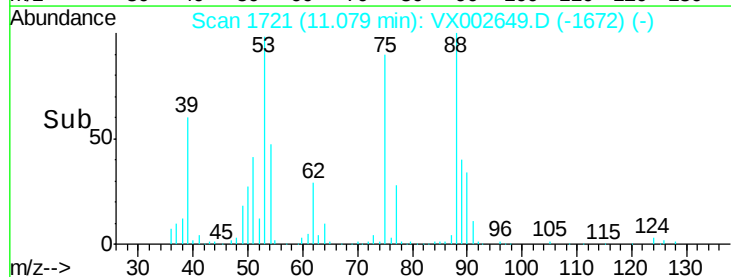
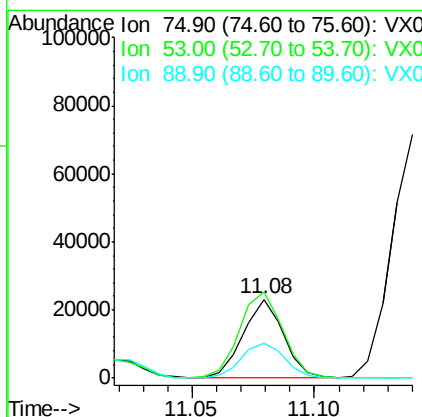
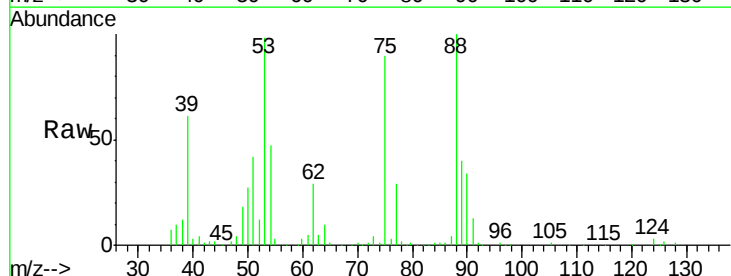
Instrument :
 MSVOA_X
 ClientSampled :
 S36-0135MSD

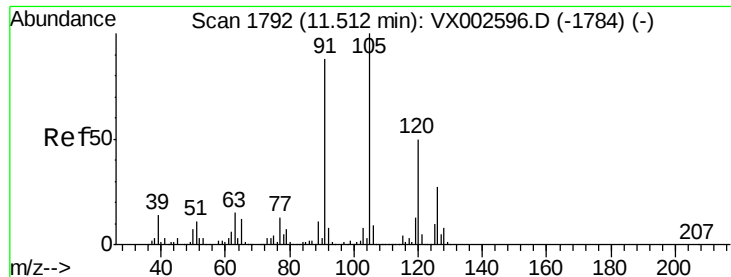
Tot Ion:105 Resp: 475663
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 28.26 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion: 75 Resp: 26611
 Ion Ratio Lower Upper
 75 100
 53 117.5 86.8 130.2
 89 48.1 38.2 57.2

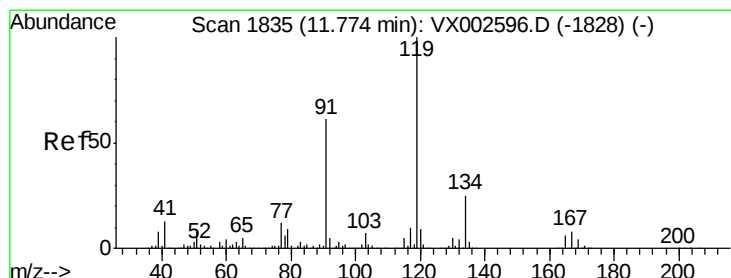
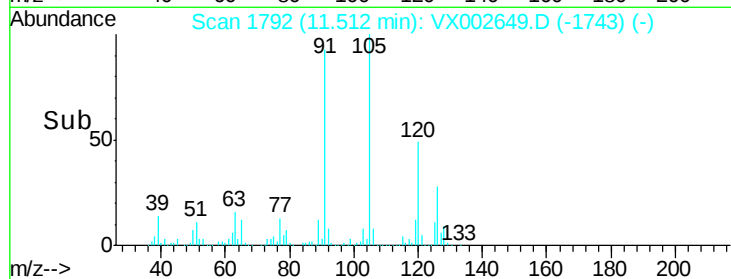
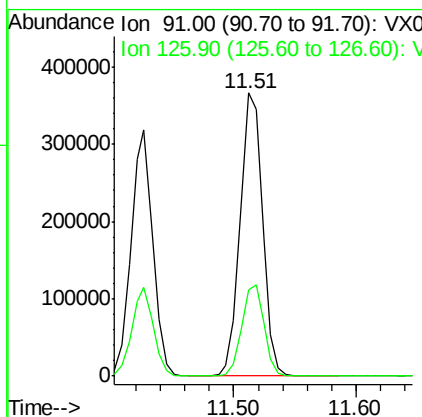
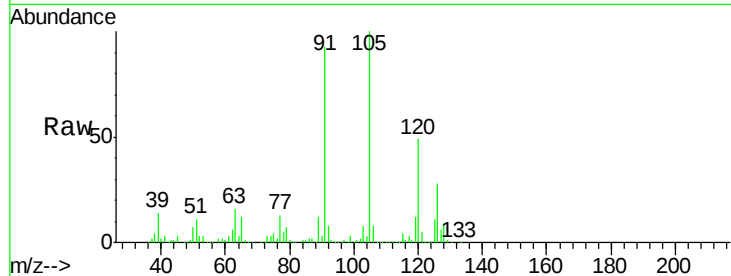




#82
4-Chlorotoluene
Concen: 49.78 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

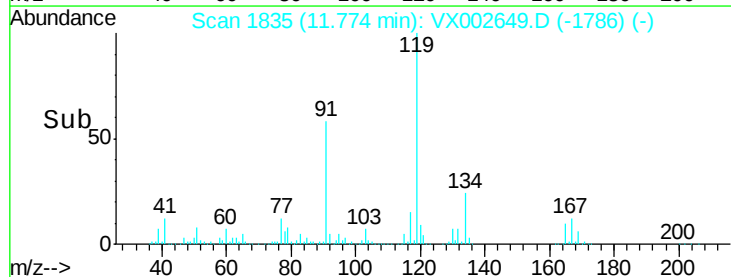
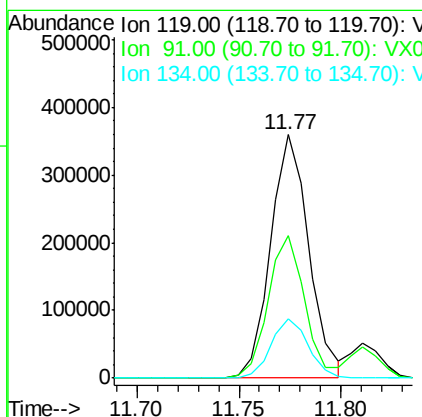
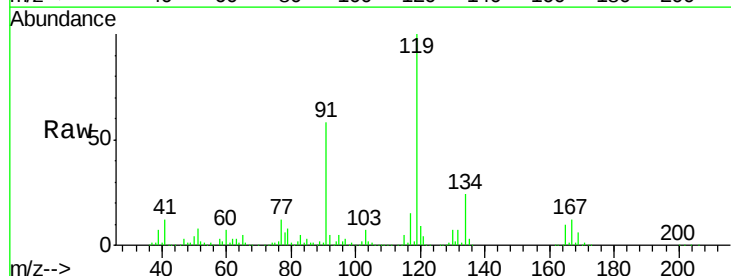
Instrument :
MSVOA_X
ClientSampleId :
S36-0135MSD

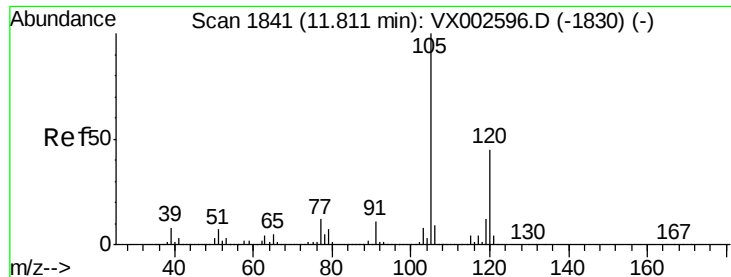
Tot Ion: 91 Resp: 461954
Ion Ratio Lower Upper
91 100
126 32.0 15.4 46.4



#83
tert-Butylbenzene
Concen: 50.16 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 119 Resp: 469125
Ion Ratio Lower Upper
119 100
91 56.4 30.3 90.9
134 23.8 11.7 35.1

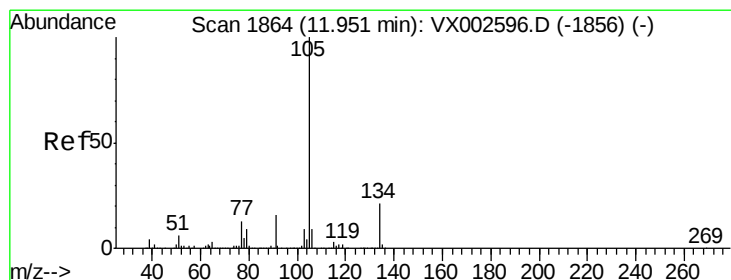
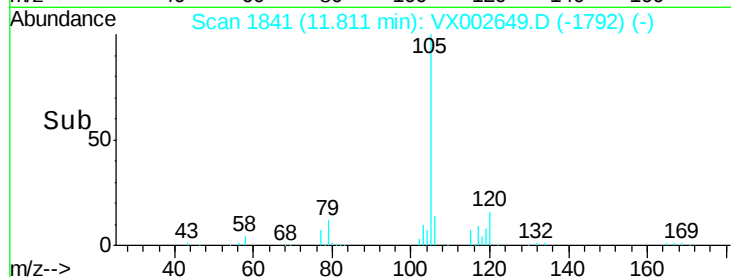
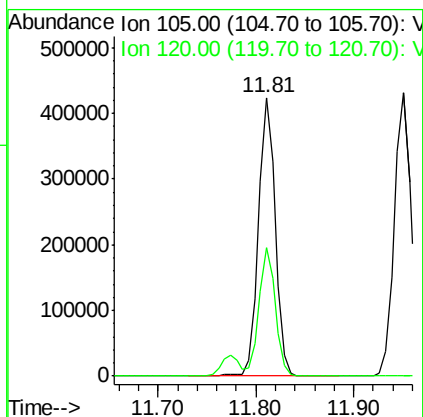
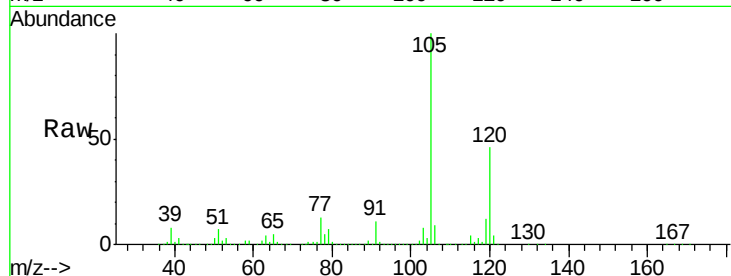




#84
 1,2,4-Trimethylbenzene
 Concen: 50.81 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

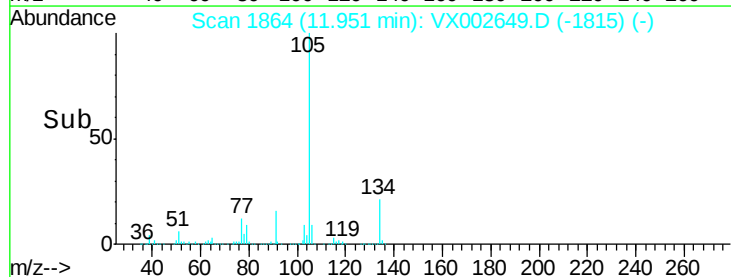
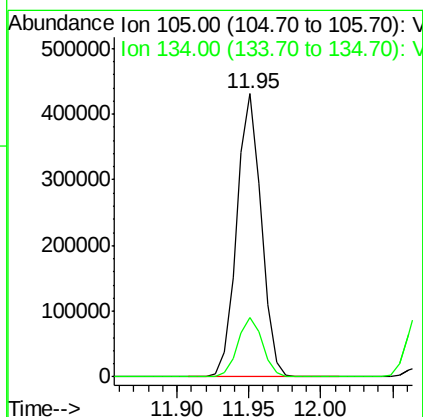
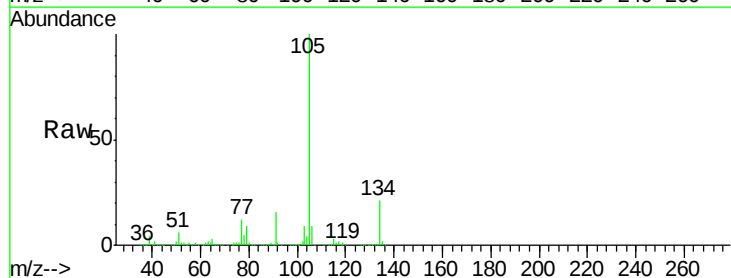
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MSD

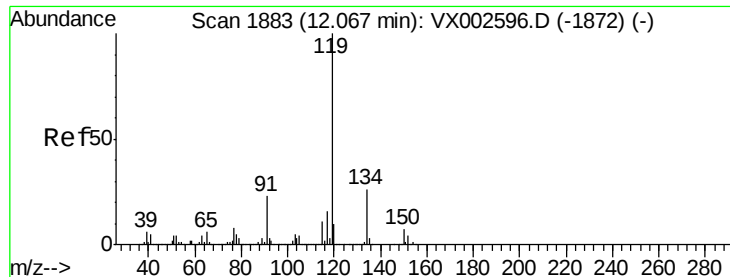
Tot Ion:105 Resp: 503277
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 43.95 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion:105 Resp: 511008
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.4 31.1

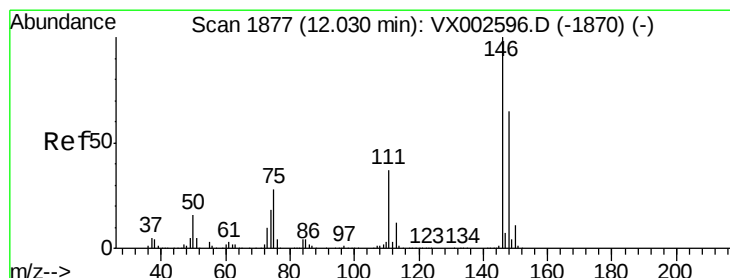
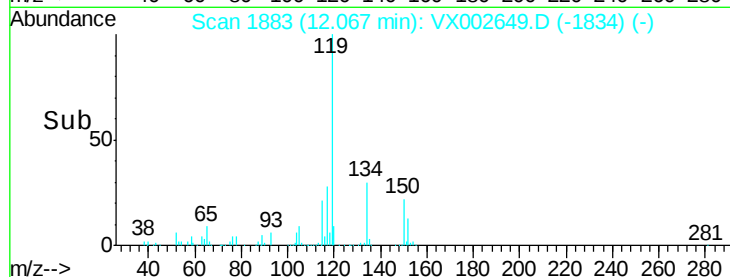
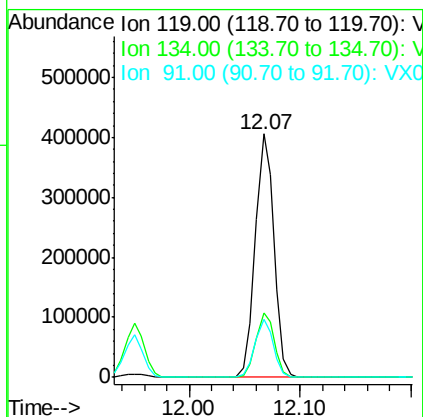
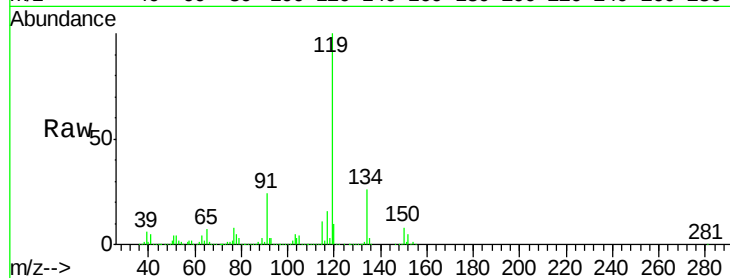




#86
p-Isopropyltoluene
Concen: 45.21 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

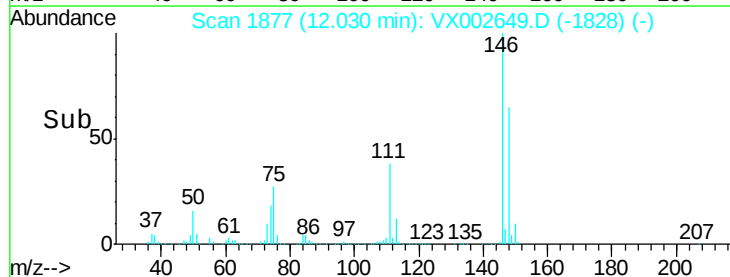
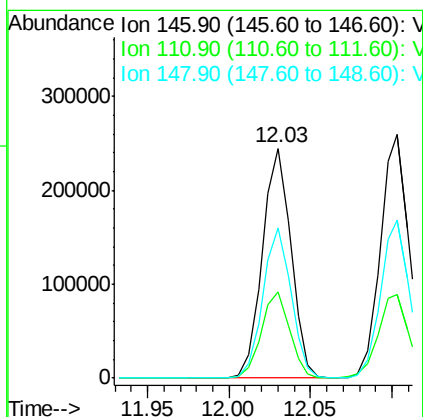
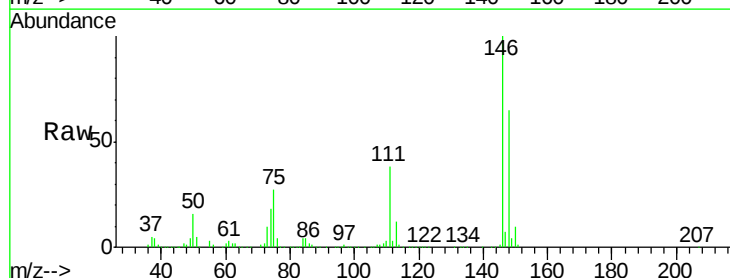
Instrument :
MSVOA_X
ClientSampleId :
S36-0135MSD

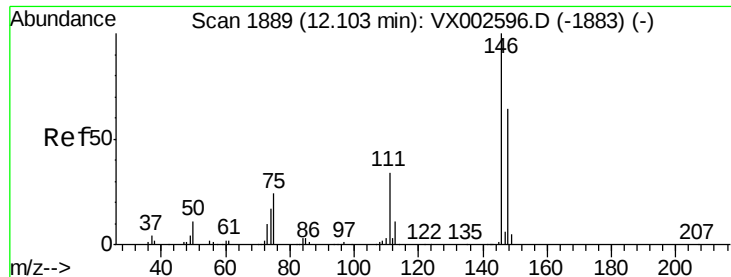
Tot Ion:119 Resp: 475662
Ion Ratio Lower Upper
119 100
134 26.5 13.4 40.1
91 23.5 11.9 35.7



#87
1,3-Dichlorobenzene
Concen: 50.95 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion:146 Resp: 299027
Ion Ratio Lower Upper
146 100
111 37.4 18.9 56.7
148 64.6 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 52.65 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

S36-0135MSD

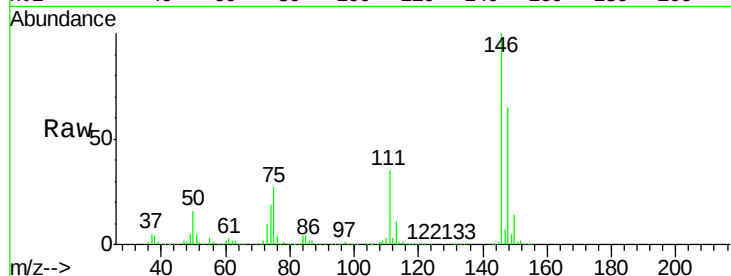
Tot Ion:146 Resp: 314378

Ion Ratio Lower Upper

146 100

111 36.2 18.7 56.1

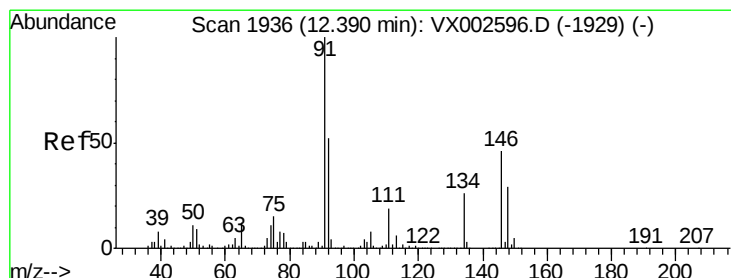
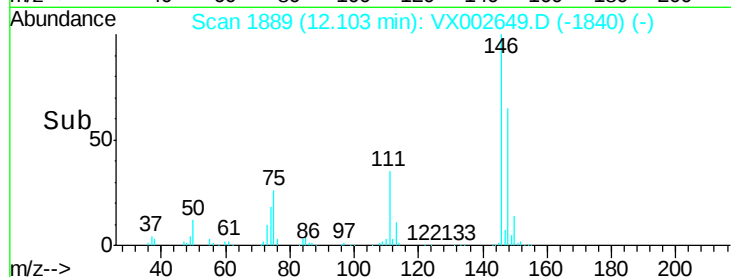
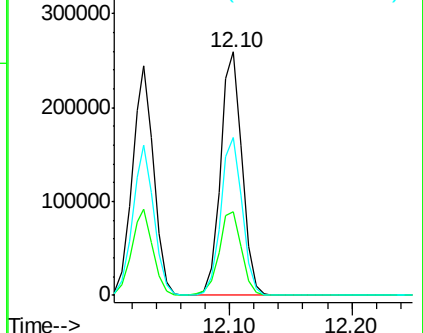
148 65.2 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 41.53 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

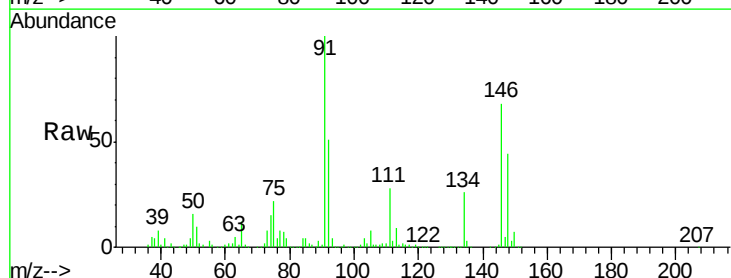
Tgt Ion: 91 Resp: 385486

Ion Ratio Lower Upper

91 100

92 51.5 26.0 78.0

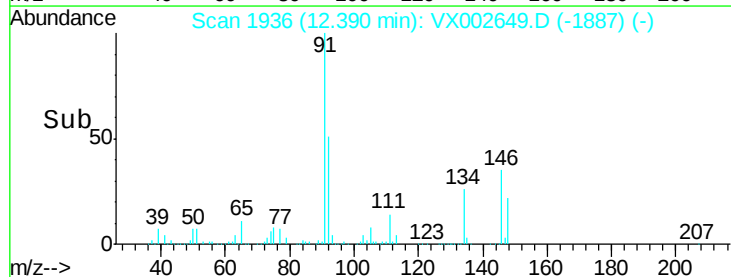
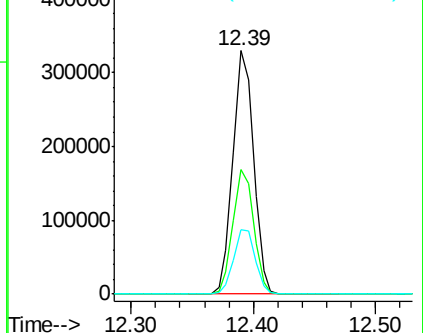
134 27.5 13.5 40.5

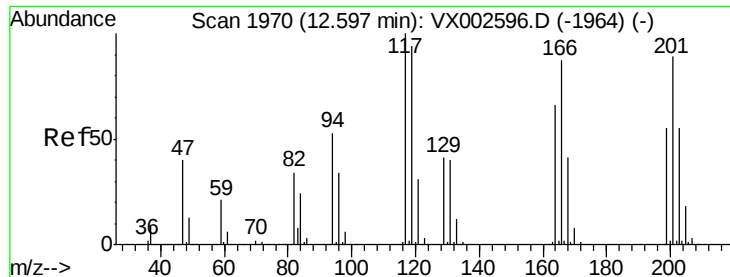


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 43.24 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

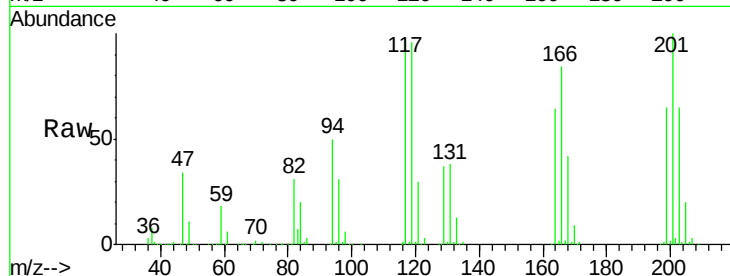
S36-0135MSD

Tot Ion:117 Resp: 70308

Ion Ratio Lower Upper

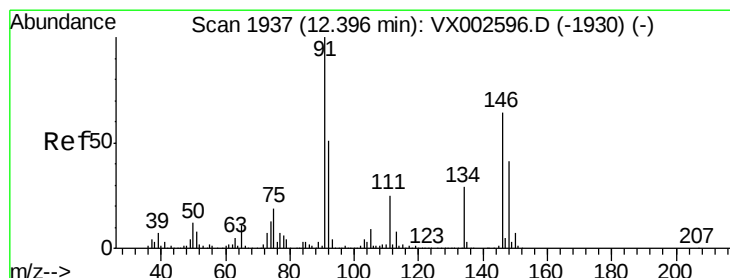
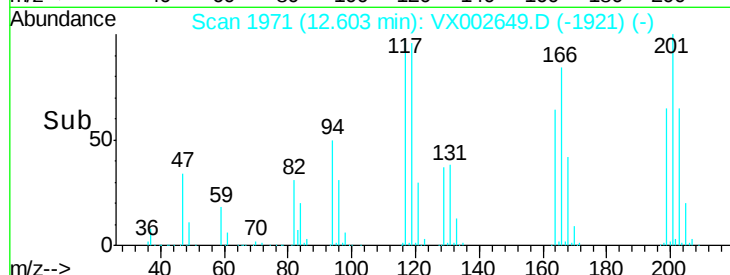
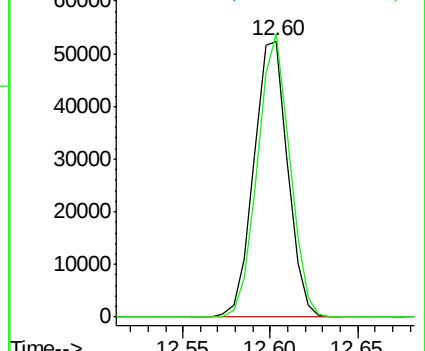
117 100

201 97.8 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 60.82 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

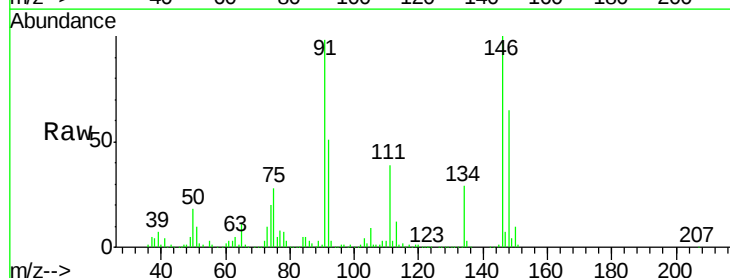
Tgt Ion:146 Resp: 359227

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.1

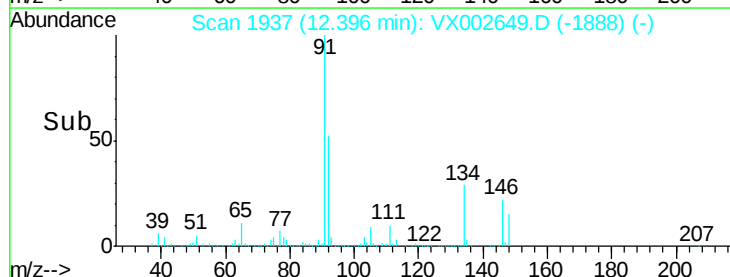
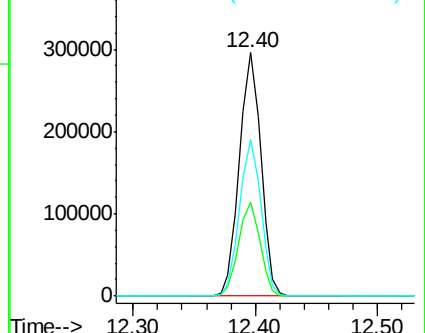
148 64.4 31.7 95.1

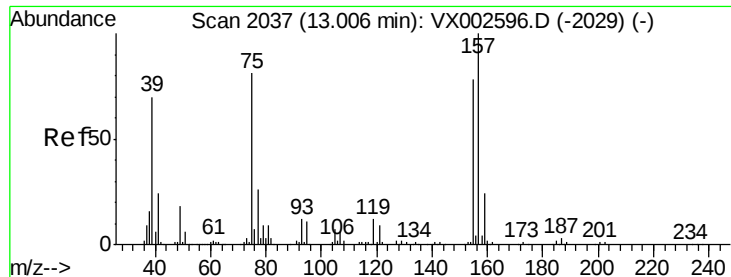


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 60.84 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

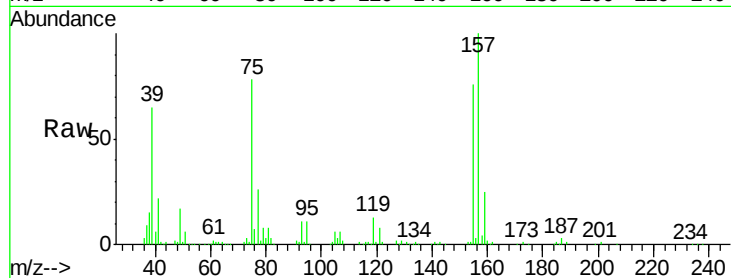
MSVOA_X

ClientSampleId :

S36-0135MSD

Tot Ion: 75 Resp: 43229

Ion	Ratio	Lower	Upper
75	100		
155	95.8	45.8	137.4
157	126.1	60.1	180.3

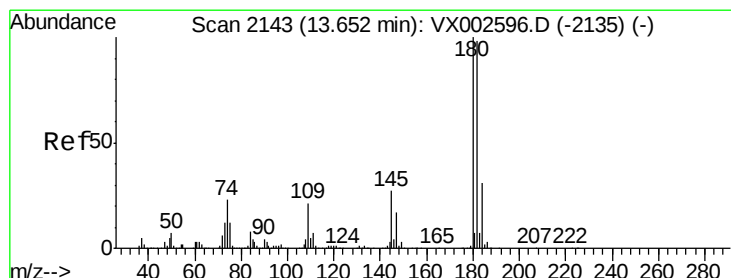
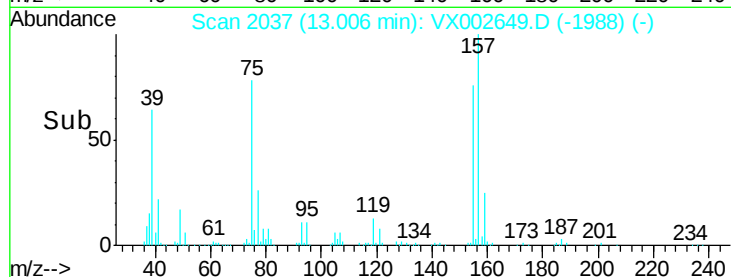
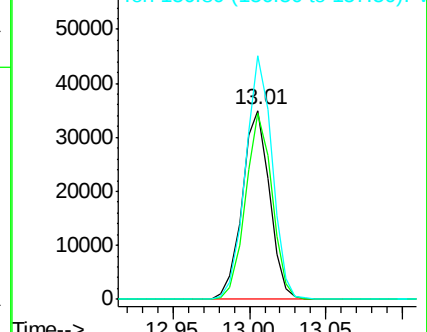


Abundance

Ion 74.90 (74.60 to 75.60): VX002596.D (-2029) (-)

Ion 154.80 (154.50 to 155.50): VX002596.D (-2029) (-)

Ion 156.80 (156.50 to 157.50): VX002596.D (-2029) (-)



#93

1,2,4-Trichlorobenzene

Concen: 50.51 ug/l

RT: 13.65 min Scan# 2143

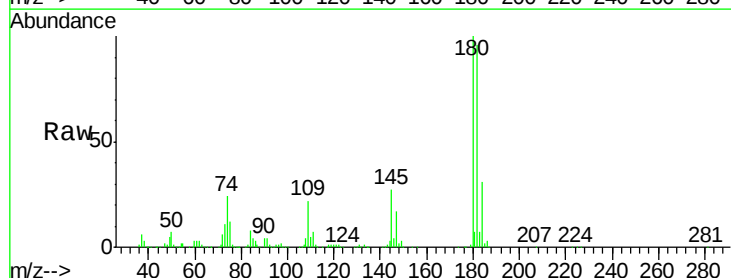
Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Tgt Ion: 180 Resp: 216550

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	27.9	14.1	42.4

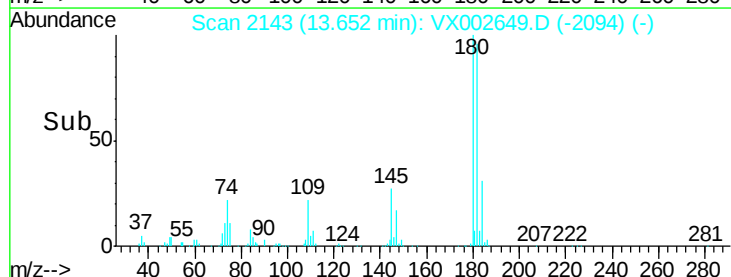
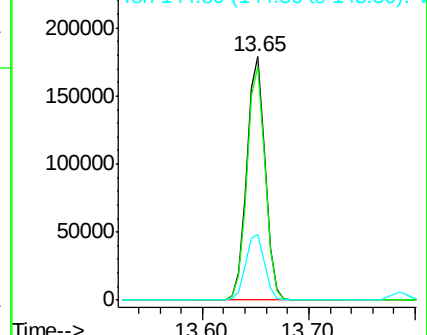


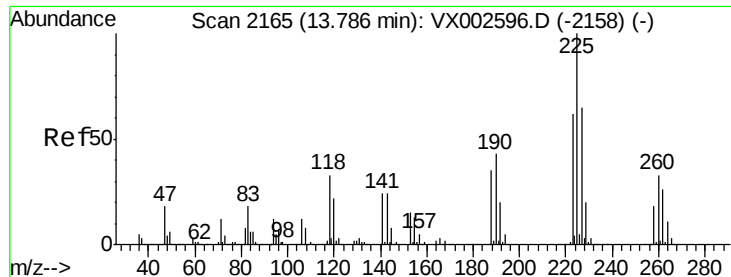
Abundance

Ion 179.80 (179.50 to 180.50): VX002596.D (-2135) (-)

Ion 181.80 (181.50 to 182.50): VX002596.D (-2135) (-)

Ion 144.80 (144.50 to 145.50): VX002596.D (-2135) (-)





#94

Hexachlorobutadiene

Concen: 36.87 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

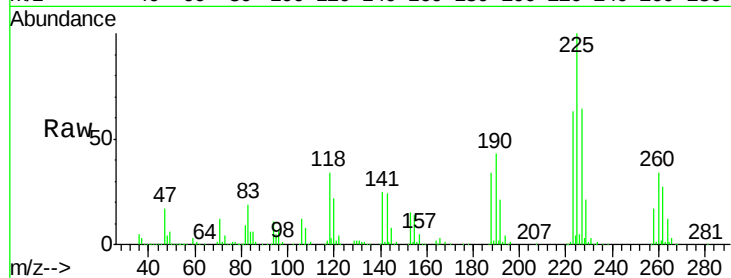
MSVOA_X

ClientSampleId :

S36-0135MSD

Tot Ion:225 Resp: 83260

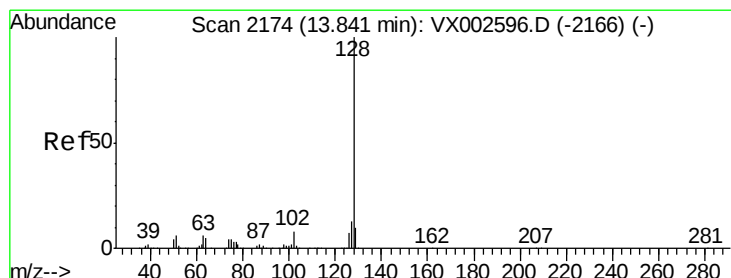
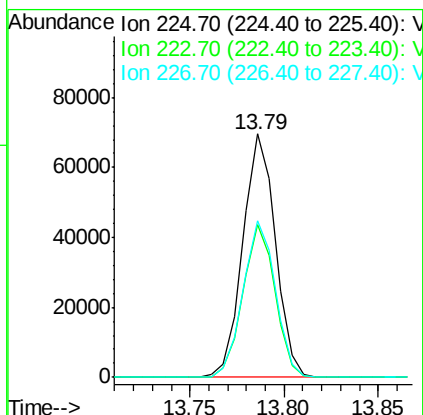
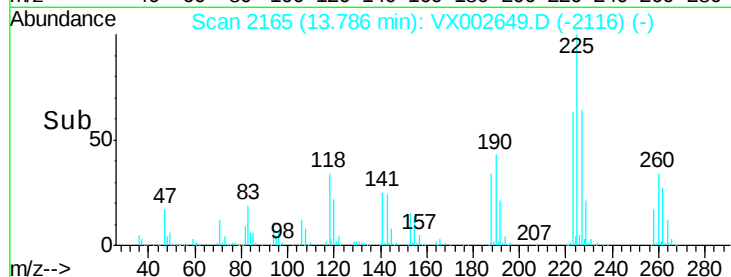
Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.6	95.0
227	64.4	32.4	97.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 58.23 ug/l

RT: 13.84 min Scan# 2174

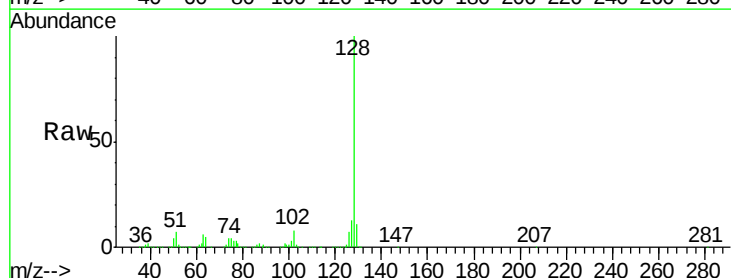
Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Tgt Ion:128 Resp: 671769

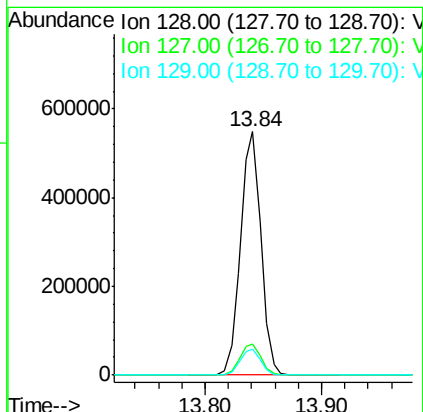
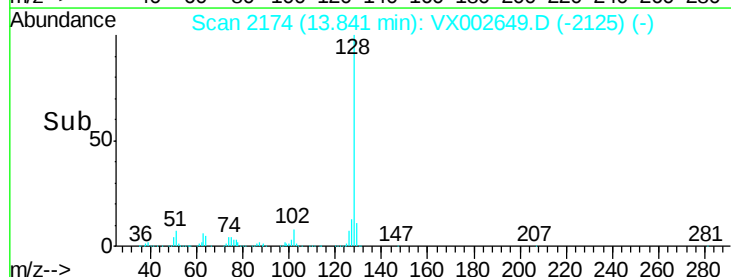
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

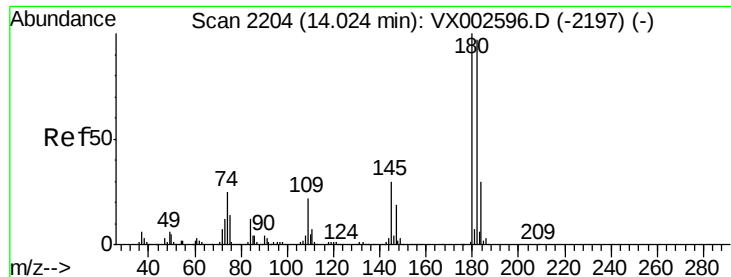


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

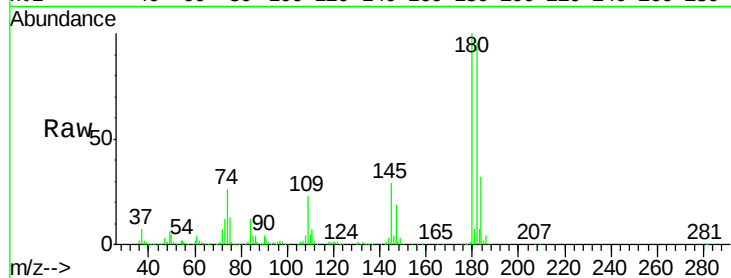




#96
 1,2,3-Trichlorobenzene
 Concen: 53.45 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0135MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.0
145	28.9	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

