

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010472.D
 Acq On : 26 Jun 2019 18:53
 Operator : JC/SP
 Sample : K3527-19MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Quant Time: Jun 27 01:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380590	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	123354	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
35) Dibromofluoromethane	5.50	113	119293	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
50) Toluene-d8	8.71	98	448920	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	11.13	95	159478	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	79950	45.568	ug/l	99
3) Chloromethane	1.32	50	84393	41.307	ug/l	99
4) Vinyl Chloride	1.41	62	100622	44.966	ug/l	98
5) Bromomethane	1.64	94	52472	48.131	ug/l	99
6) Chloroethane	1.71	64	66346	50.253	ug/l	95
7) Trichlorofluoromethane	1.92	101	179382	50.568	ug/l	98
8) Diethyl Ether	2.19	74	64915	51.028	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	104430	48.578	ug/l	99
10) Methyl Iodide	2.51	142	153104	49.904	ug/l	98
11) Tert butyl alcohol	3.05	59	150071	242.379	ug/l	100
12) 1,1-Dichloroethene	2.37	96	104655	47.843	ug/l	97
13) Acrolein	2.29	56	85655	208.541	ug/l	99
14) Allyl chloride	2.73	41	152154	48.994	ug/l	99
15) Acrylonitrile	3.14	53	312367	254.814	ug/l	99
16) Acetone	2.45	43	245053	206.644	ug/l	98
17) Carbon Disulfide	2.57	76	251196	42.803	ug/l	99
18) Methyl Acetate	2.78	43	114936	48.629	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	346483	50.349	ug/l	98
20) Methylene Chloride	2.85	84	119575	48.997	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	112532	47.832	ug/l	100
22) Diisopropyl ether	3.85	45	325387	50.113	ug/l	97
23) Vinyl Acetate	3.82	43	1344779	239.741	ug/l	100
24) 1,1-Dichloroethane	3.70	63	187705	50.012	ug/l	99
25) 2-Butanone	4.67	43	418181	240.400	ug/l	99
26) 2,2-Dichloropropane	4.58	77	143753	44.091	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	135075	49.684	ug/l	99
28) Bromochloromethane	5.02	49	91311	50.884	ug/l	97
29) Tetrahydrofuran	5.13	42	278882	258.830	ug/l	99
30) Chloroform	5.21	83	202440	50.130	ug/l	99
31) Cyclohexane	5.58	56	166282	48.651	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	178388	50.028	ug/l	100
36) 1,1-Dichloropropene	5.80	75	146265	48.362	ug/l	98
37) Ethyl Acetate	4.84	43	150805	48.469	ug/l	100
38) Carbon Tetrachloride	5.79	117	160408	48.980	ug/l	95

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	182529	45.914	ug/l	99
40) Benzene	6.14	78	465859	49.442	ug/l	99
41) Methacrylonitrile	5.04	41	86152	50.466	ug/l	99
42) 1,2-Dichloroethane	6.20	62	148265	51.693	ug/l	99
43) Isopropyl Acetate	6.45	43	248388	48.252	ug/l	99
44) Trichloroethene	7.21	130	135949	48.219	ug/l	99
45) 1,2-Dichloropropane	7.51	63	118196	49.674	ug/l	99
46) Dibromomethane	7.66	93	86282	50.541	ug/l	98
47) Bromodichloromethane	7.90	83	156838	50.130	ug/l	100
48) Methyl methacrylate	7.77	41	123198	51.489	ug/l	99
49) 1,4-Dioxane	7.74	88	67776	983.287	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	832266	252.795	ug/l	99
52) Toluene	8.79	92	301772	48.634	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	169649	48.366	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	186121	48.828	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	129491	50.601	ug/l	99
56) Ethyl methacrylate	9.18	69	190318	49.094	ug/l	98
57) 1,3-Dichloropropane	9.37	76	200546	50.484	ug/l	100
59) 2-Hexanone	9.49	43	636607	245.687	ug/l	99
60) Dibromochloromethane	9.58	129	143052	49.926	ug/l	100
61) 1,2-Dibromoethane	9.67	107	138340	50.083	ug/l	99
64) Tetrachloroethene	9.34	164	133116	47.844	ug/l	96
65) Chlorobenzene	10.14	112	340863	48.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	130480	51.293	ug/l	99
67) Ethyl Benzene	10.25	91	580896	49.270	ug/l	99
68) m/p-Xylenes	10.36	106	443350	97.049	ug/l	99
69) o-Xylene	10.69	106	219601	48.881	ug/l	98
70) Styrene	10.71	104	371071	49.252	ug/l	100
71) Bromoform	10.85	173	109343	49.428	ug/l	98
73) Isopropylbenzene	11.02	105	582417	49.049	ug/l	99
74) N-amyl acetate	10.90	43	207322	46.199	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	196089	49.864	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	214276	67.128	ug/l	80
77) Bromobenzene	11.26	156	159953	48.242	ug/l	99
78) n-propylbenzene	11.36	91	642739	49.251	ug/l	100
79) 2-Chlorotoluene	11.42	91	374053	48.133	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	476281	48.655	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	60662	44.335	ug/l	94
82) 4-Chlorotoluene	11.51	91	432751	48.938	ug/l	99
83) tert-Butylbenzene	11.77	119	484127	49.275	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	480804	48.888	ug/l	100
85) sec-Butylbenzene	11.94	105	559300	48.483	ug/l	100
86) p-Isopropyltoluene	12.06	119	517905	48.537	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	276211	47.724	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	275546	46.765	ug/l	100
89) n-Butylbenzene	12.38	91	431868	47.630	ug/l	100
90) Hexachloroethane	12.60	117	89822	48.683	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	276011	47.983	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39739	46.870	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	187968	47.121	ug/l	100

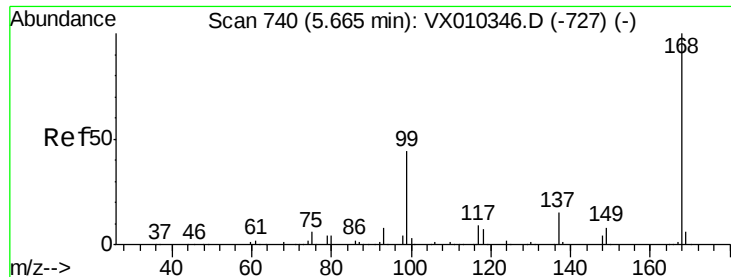
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	85871	44.046	ug/l	99
95) Naphthalene	13.83	128	595266	48.559	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	189216	47.708	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

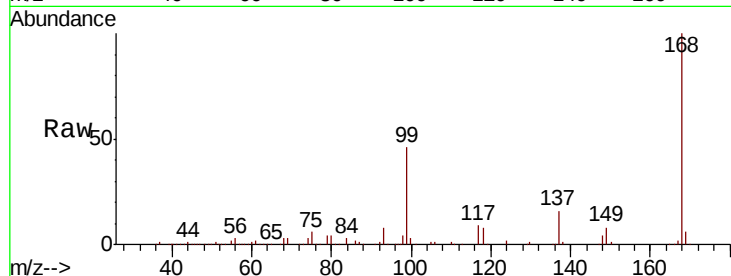
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:168 Resp: 252368

Ion Ratio Lower Upper

168 100

99 45.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

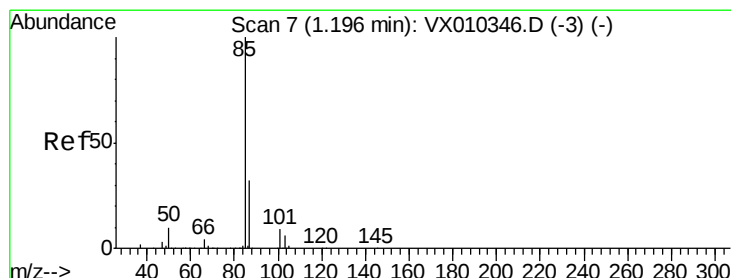
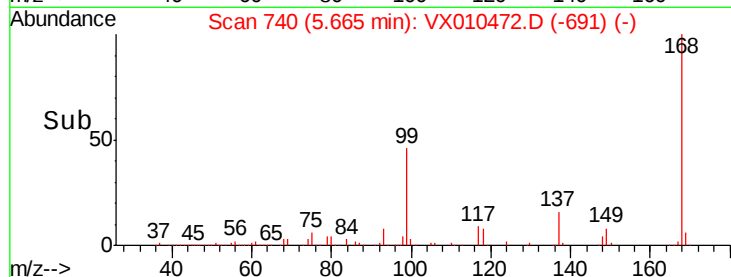
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.568 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010472.D

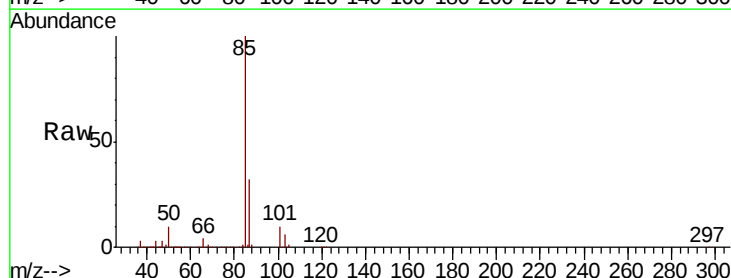
Acq: 26 Jun 2019 18:53

Tgt Ion: 85 Resp: 79950

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

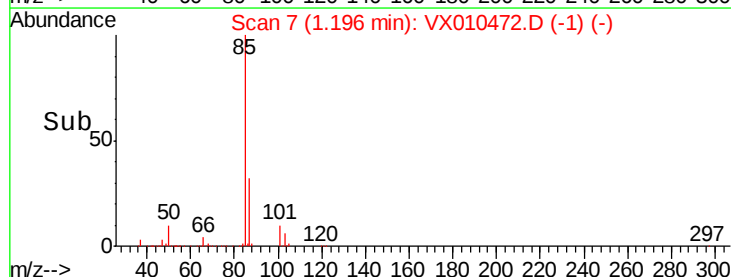
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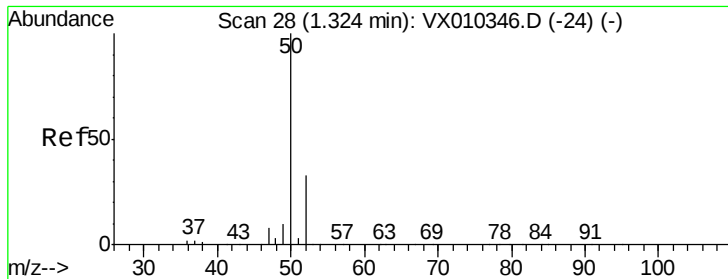
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20000

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Time-->





#3

Chloromethane

Concen: 41.307 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

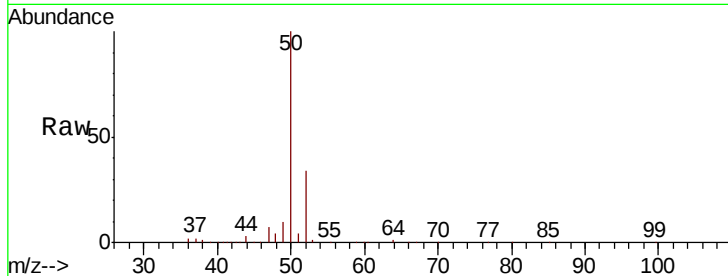
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 50 Resp: 84393

Ion Ratio Lower Upper

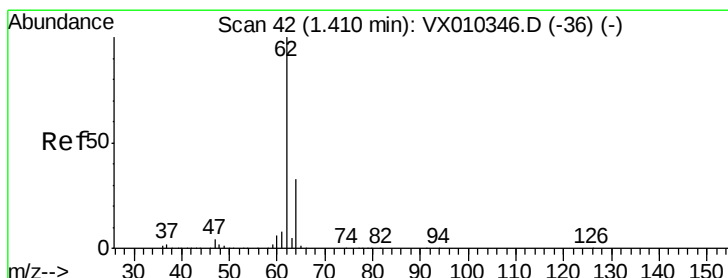
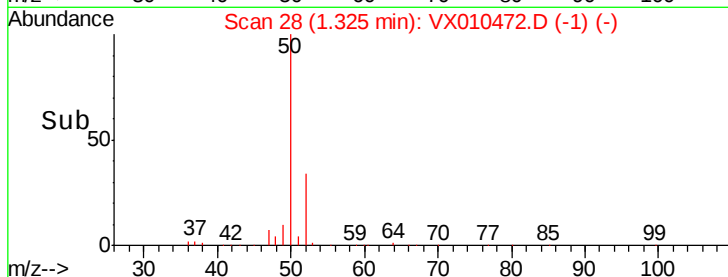
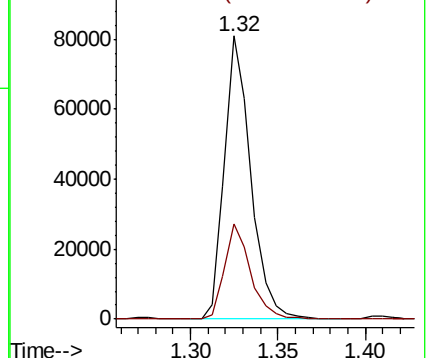
50 100

52 33.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.966 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010472.D

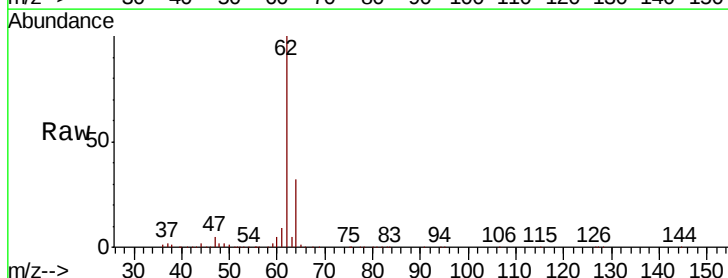
Acq: 26 Jun 2019 18:53

Tgt Ion: 62 Resp: 100622

Ion Ratio Lower Upper

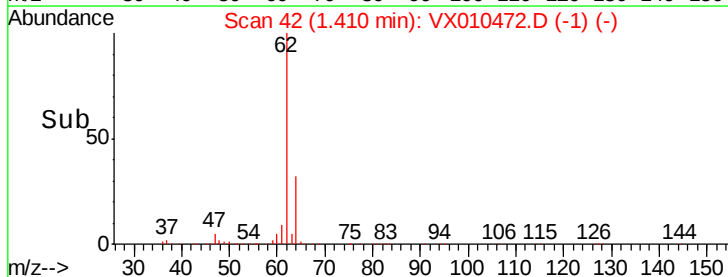
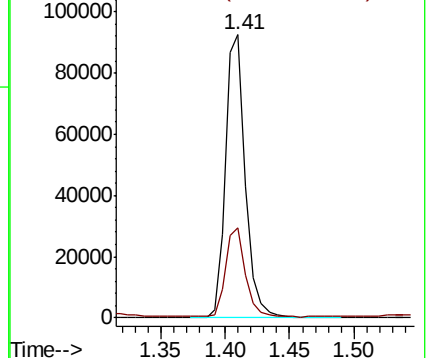
62 100

64 31.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 48.131 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

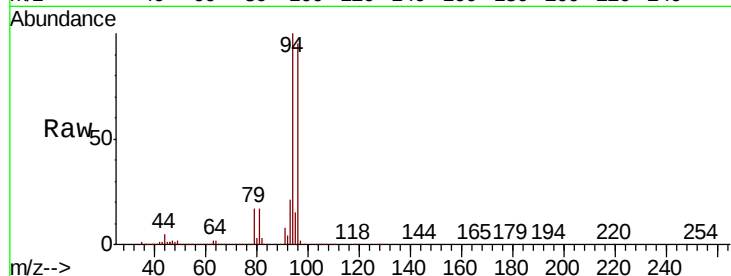
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 94 Resp: 52472

Ion Ratio Lower Upper

94 100

96 95.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

60000

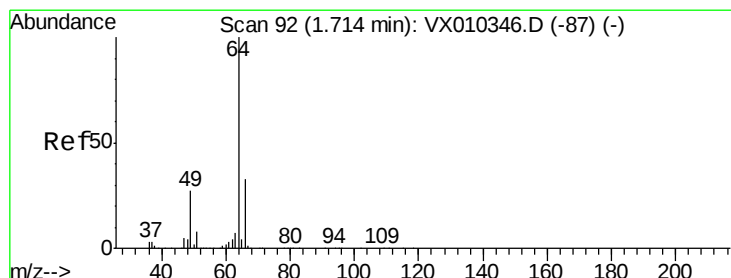
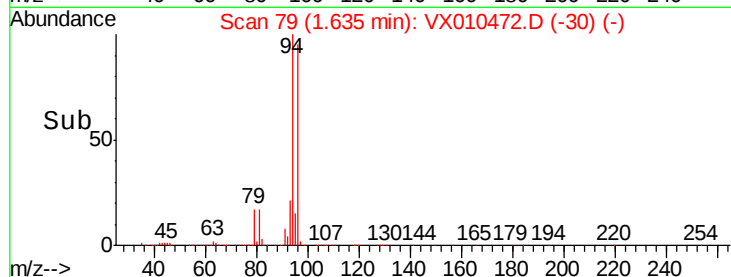
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20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 50.253 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010472.D

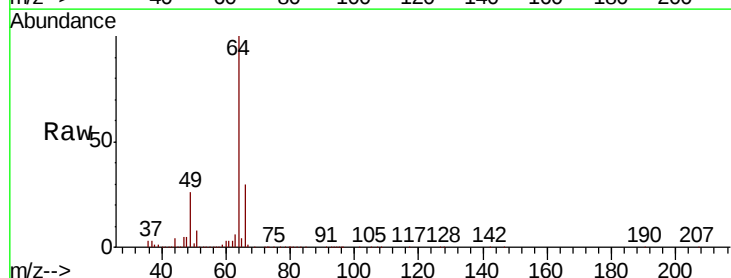
Acq: 26 Jun 2019 18:53

Tgt Ion: 64 Resp: 66346

Ion Ratio Lower Upper

64 100

66 30.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

60000

50000

40000

30000

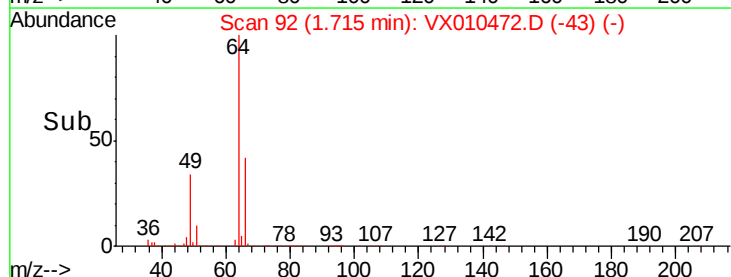
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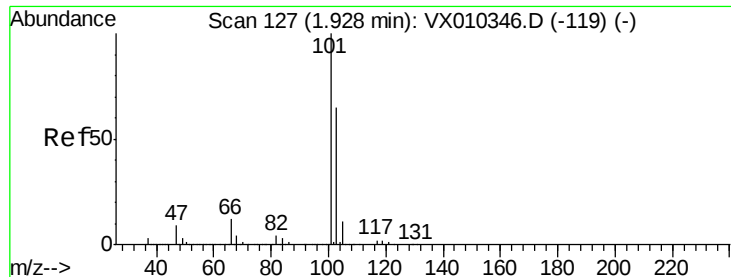
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0

1.65 1.70 1.75 1.80

Time-->



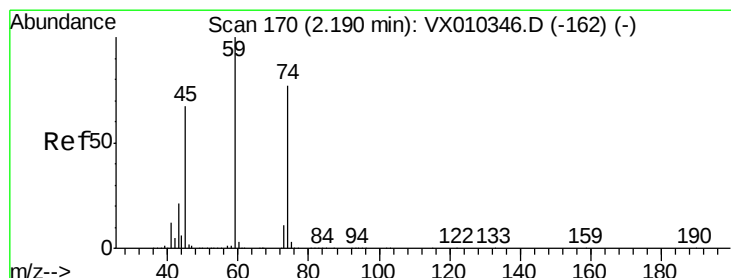
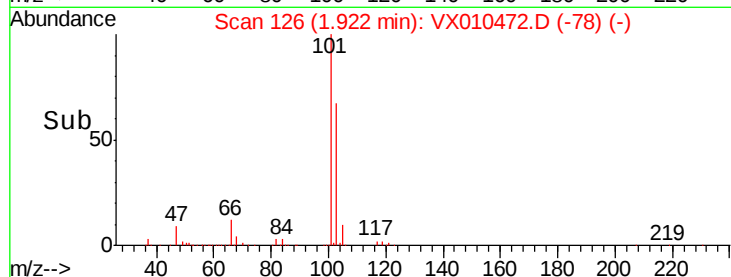
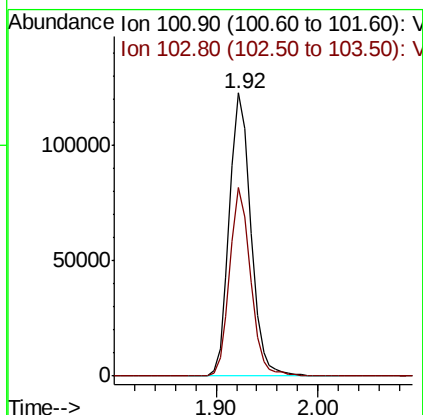
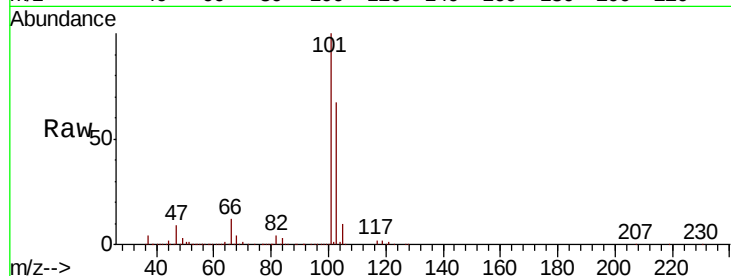


#7

Trichlorofluoromethane
 Concen: 50.568 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

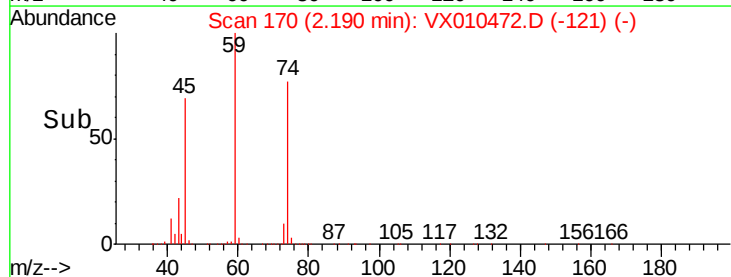
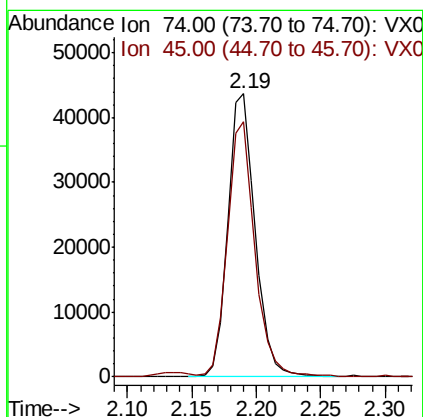
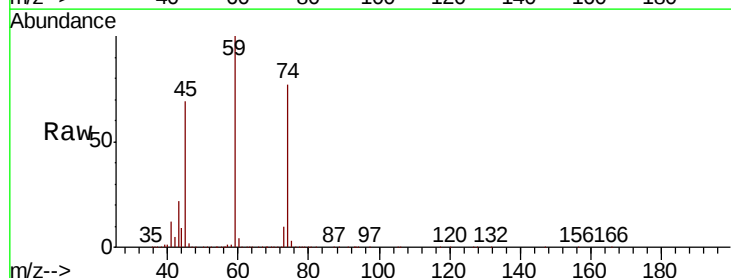
Tot Ion:101 Resp: 179382
 Ion Ratio Lower Upper
 101 100
 103 66.7 52.3 78.5

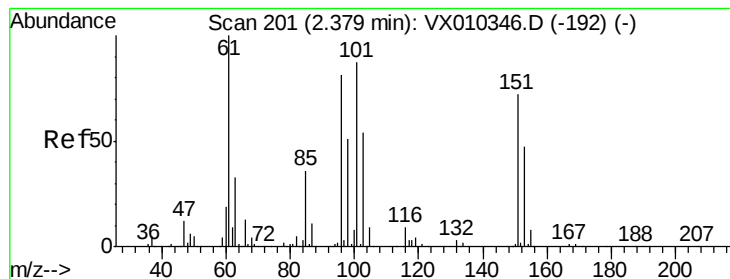


#8

Diethyl Ether
 Concen: 51.028 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion: 74 Resp: 64915
 Ion Ratio Lower Upper
 74 100
 45 91.2 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.578 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

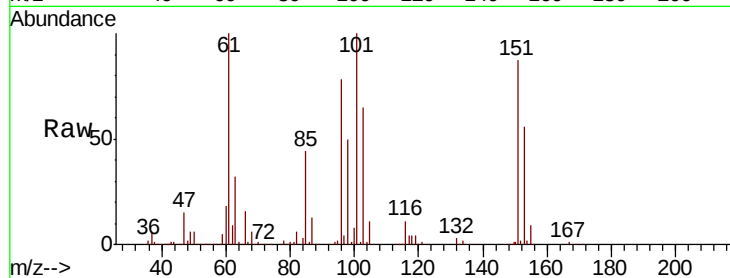
Tot Ion:101 Resp: 104430

Ion Ratio Lower Upper

101 100

85 42.4 33.7 50.5

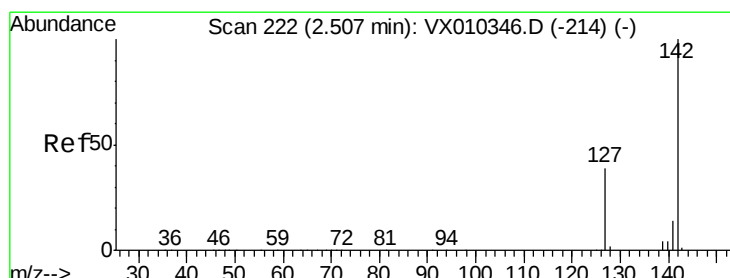
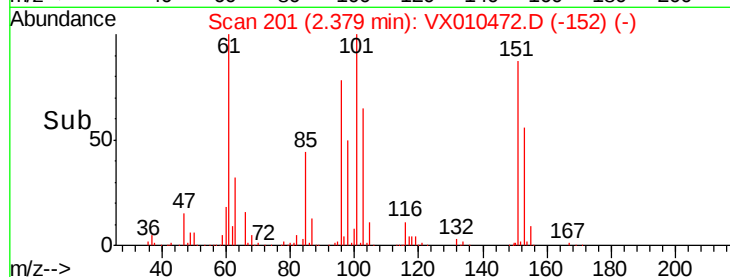
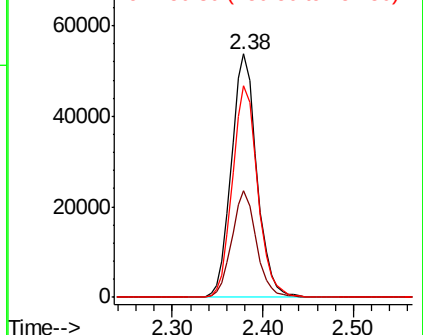
151 86.9 70.1 105.1



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: 49.904 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

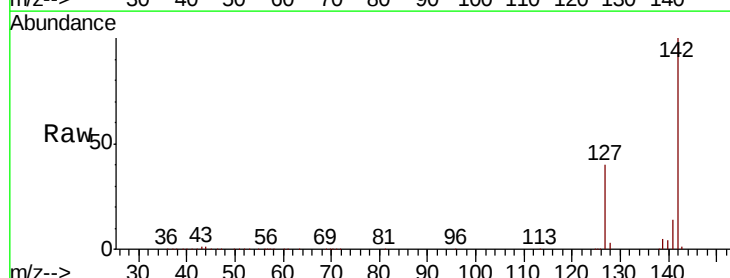
Tgt Ion:142 Resp: 153104

Ion Ratio Lower Upper

142 100

127 40.2 31.1 46.7

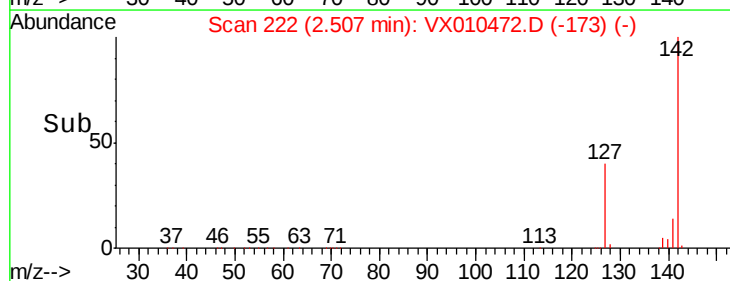
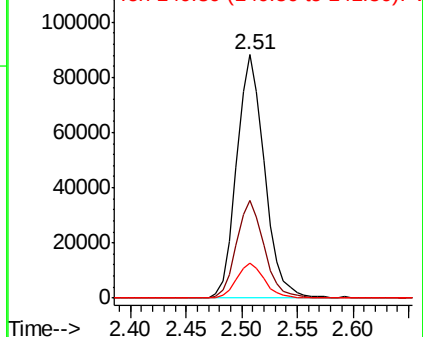
141 14.4 11.2 16.8



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

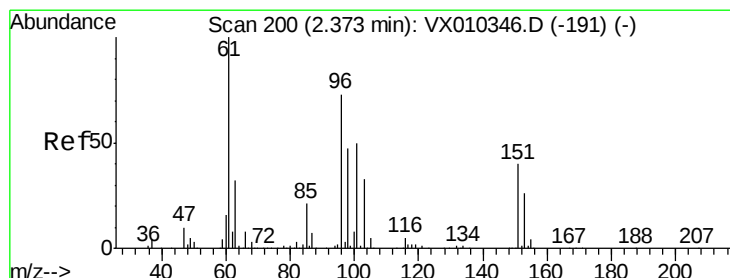
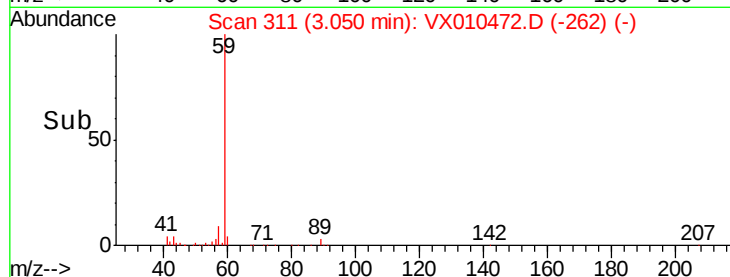
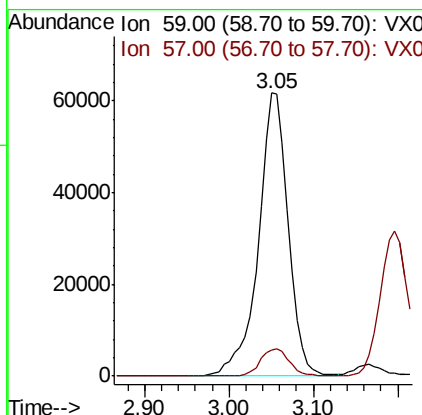
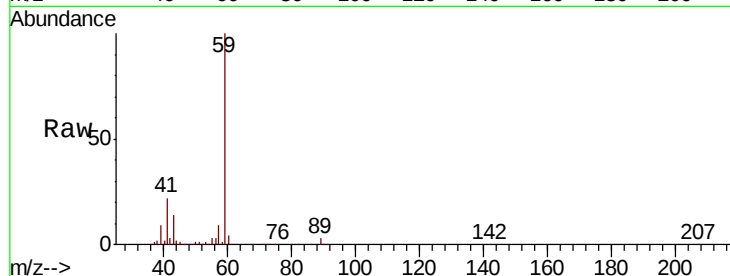




#11
Tert butyl alcohol
Concen: 242.379 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

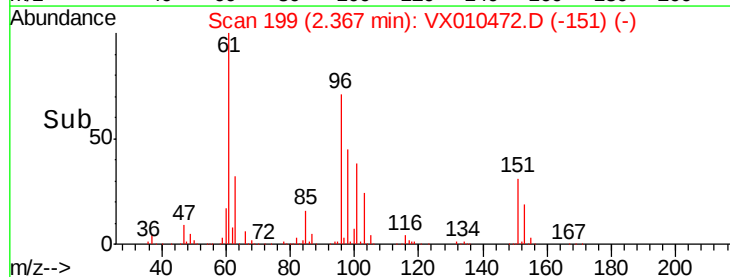
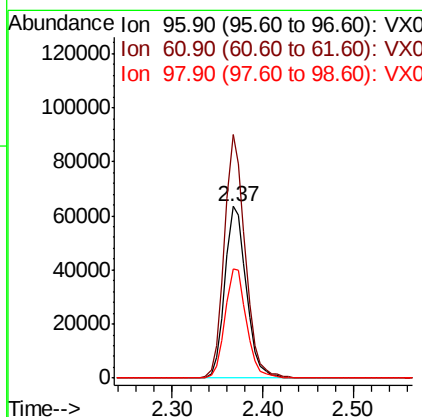
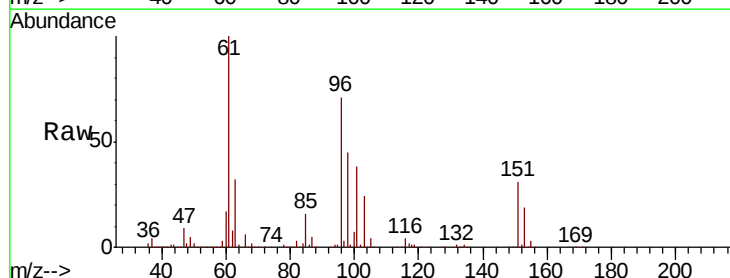
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 59 Resp: 150071
Ion Ratio Lower Upper
59 100
57 9.6 7.7 11.5



#12
1,1-Dichloroethene
Concen: 47.843 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion: 96 Resp: 104655
Ion Ratio Lower Upper
96 100
61 141.8 109.2 163.8
98 63.3 51.1 76.7





#13

Acrolein

Concen: 208.541 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

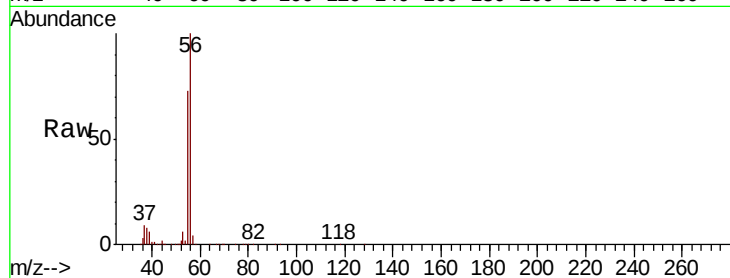
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 56 Resp: 85655

Ion Ratio Lower Upper

56 100

55 70.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

60000

50000

40000

30000

20000

10000

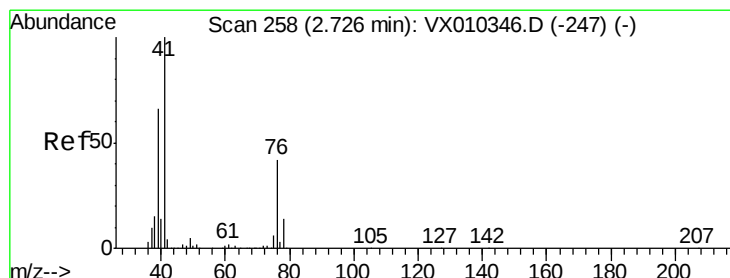
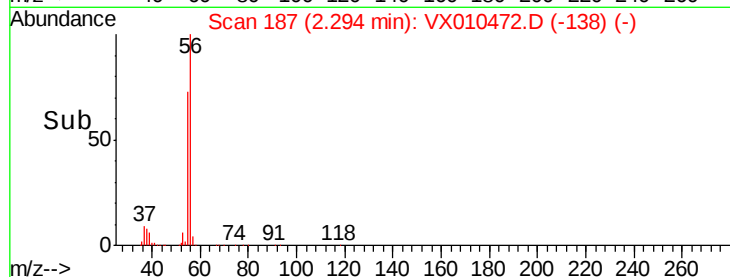
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 48.994 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

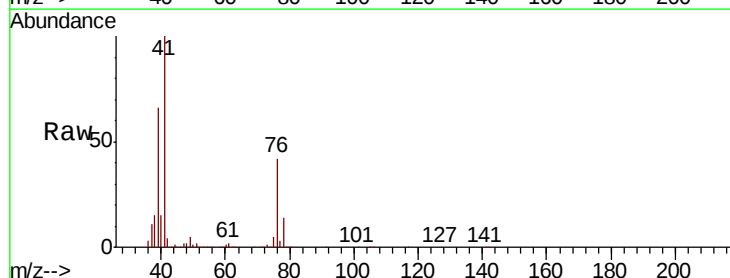
Tgt Ion: 41 Resp: 152154

Ion Ratio Lower Upper

41 100

39 62.5 50.3 75.5

76 38.7 31.3 46.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

60000

40000

20000

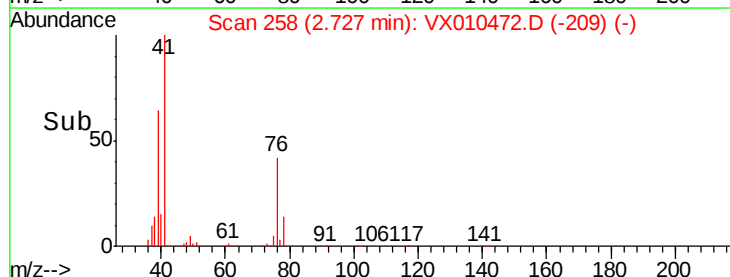
0

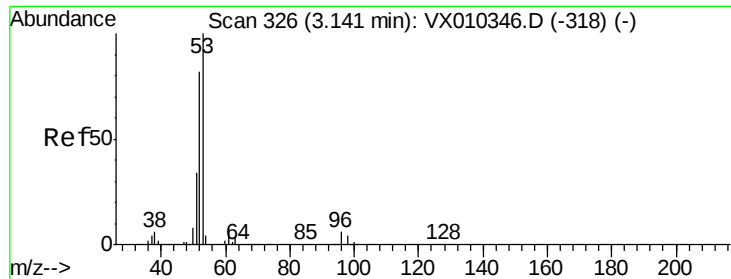
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 254.814 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

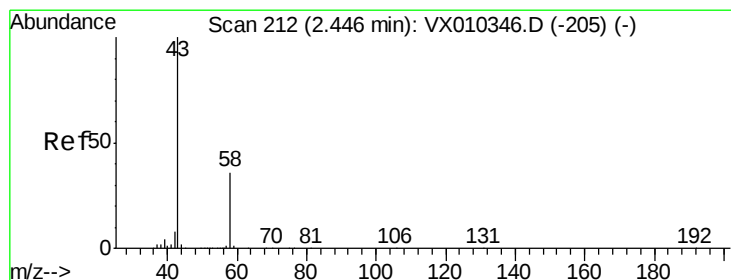
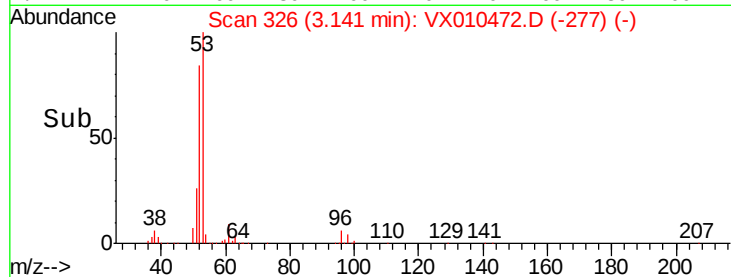
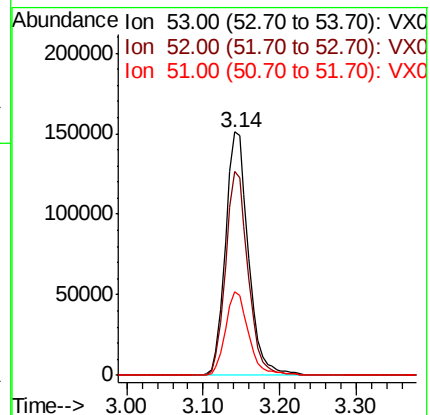
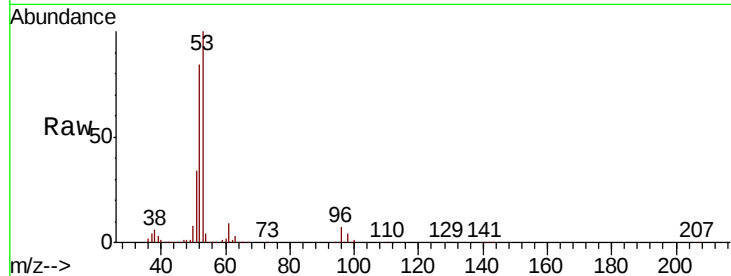
Tot Ion: 53 Resp: 312367

Ion Ratio Lower Upper

53 100

52 82.0 65.5 98.3

51 34.5 28.2 42.4



#16

Acetone

Concen: 206.644 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010472.D

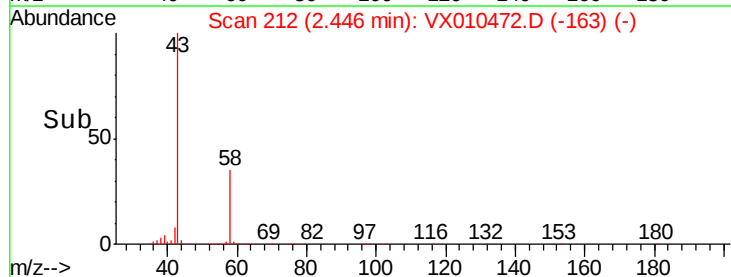
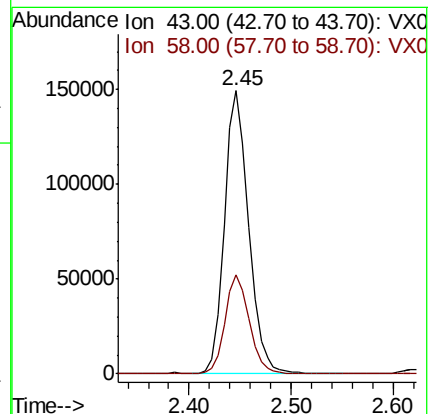
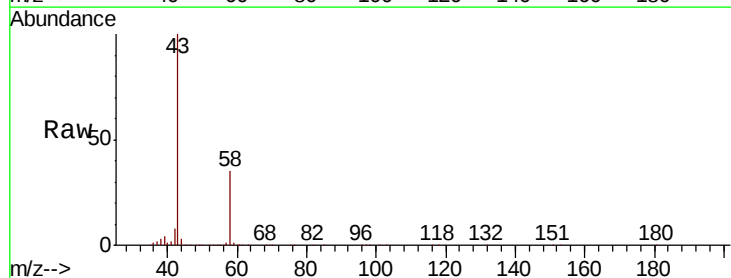
Acq: 26 Jun 2019 18:53

Tgt Ion: 43 Resp: 245053

Ion Ratio Lower Upper

43 100

58 35.1 28.9 43.3

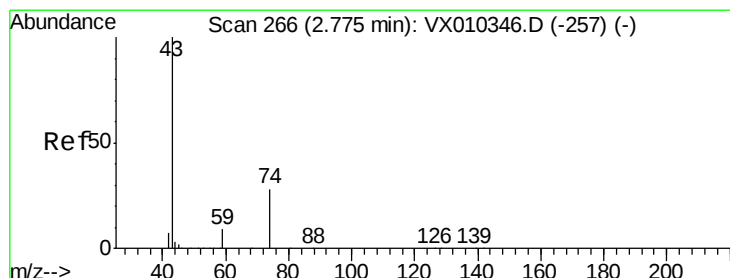
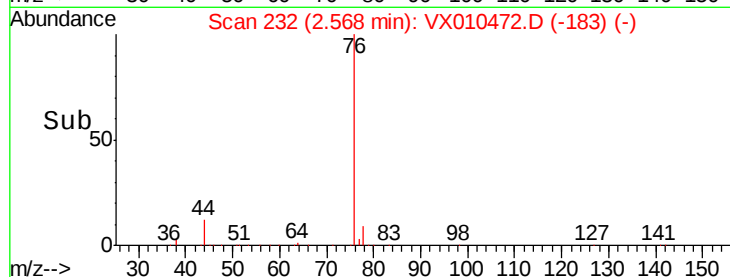
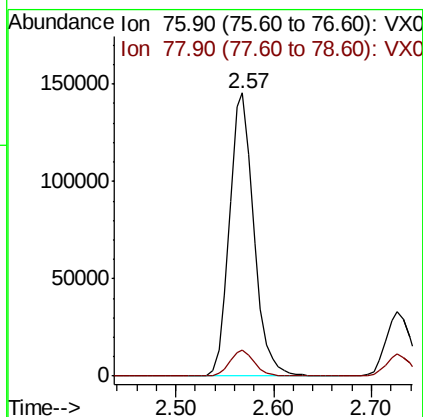
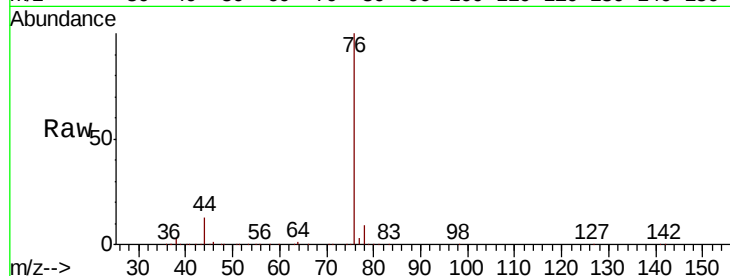




#17
Carbon Disulfide
Concen: 42.803 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

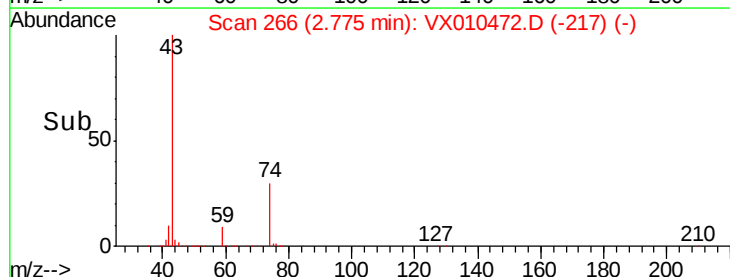
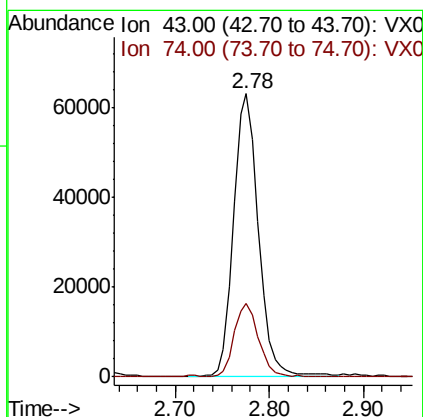
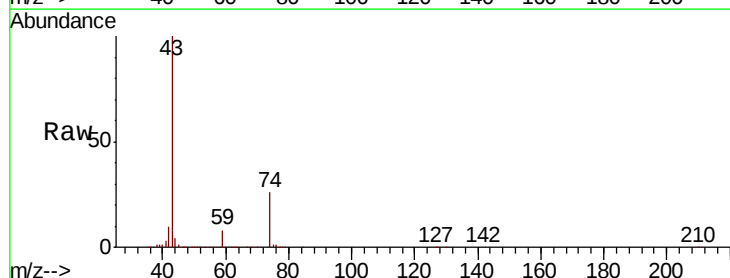
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

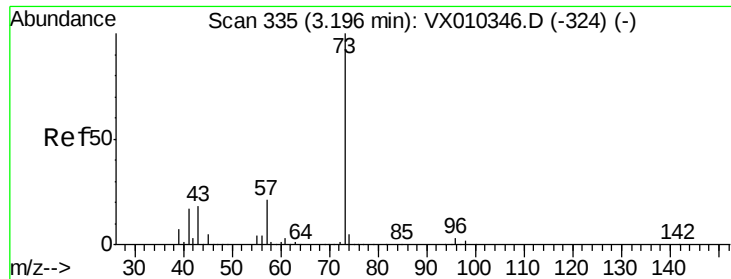
Tot Ion: 76 Resp: 251196
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 48.629 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion: 43 Resp: 114936
Ion Ratio Lower Upper
43 100
74 25.6 21.3 31.9

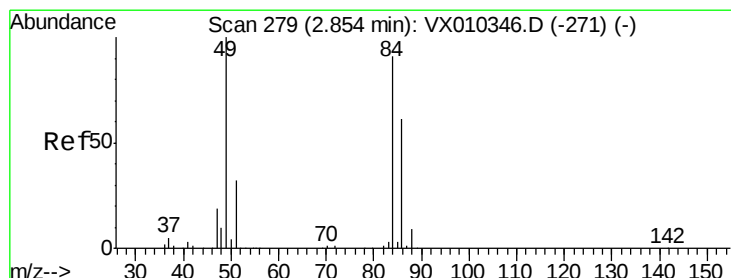
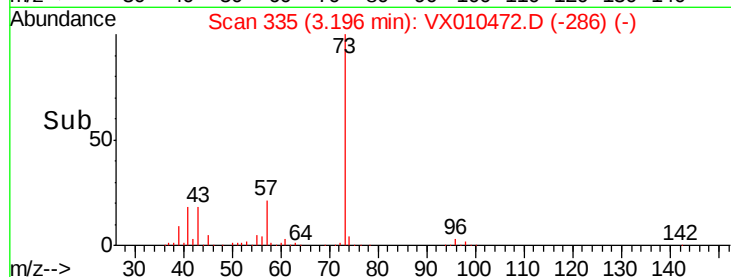
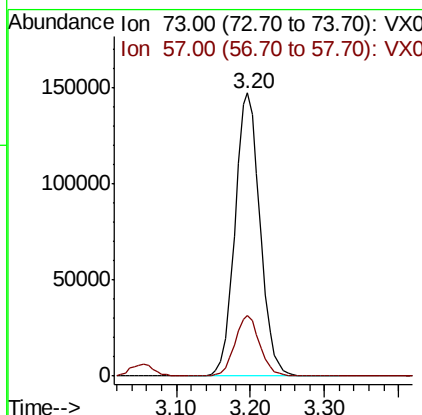
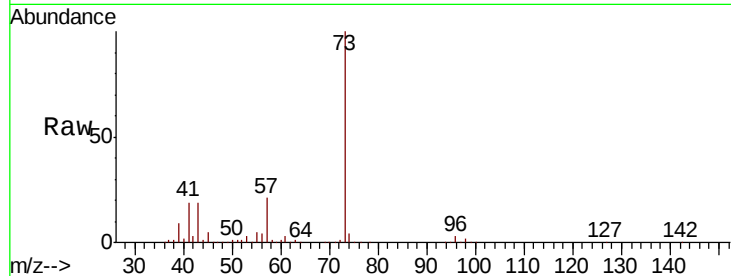




#19
Methvl tert-butvl Ether
Concen: 50.349 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

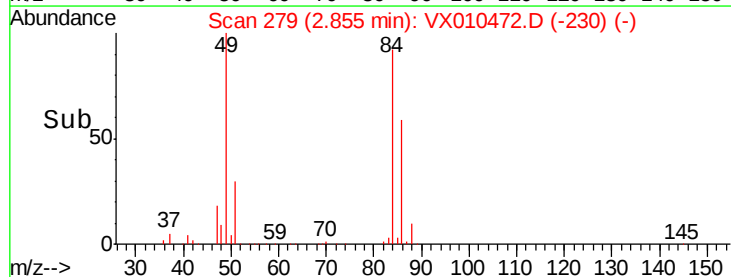
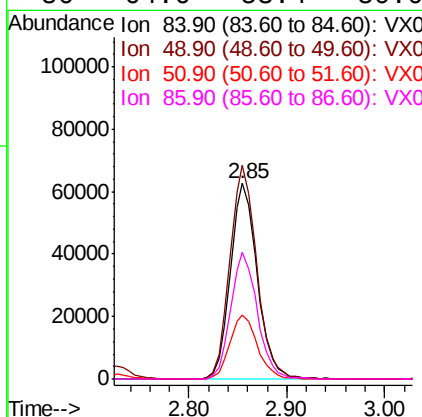
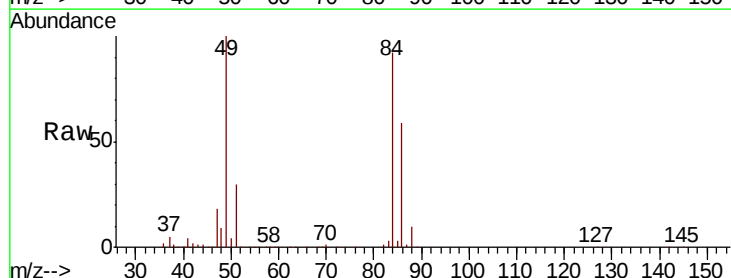
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 73 Resp: 346483
Ion Ratio Lower Upper
73 100
57 21.5 16.4 24.6



#20
Methylene Chloride
Concen: 48.997 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion: 84 Resp: 119575
Ion Ratio Lower Upper
84 100
49 109.1 87.5 131.3
51 32.8 27.7 41.5
86 64.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 47.832 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

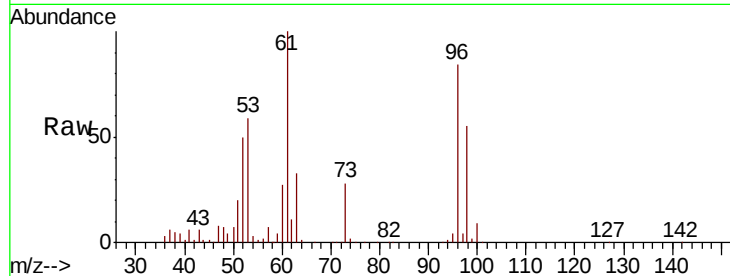
Tot Ion: 96 Resp: 112532

Ion Ratio Lower Upper

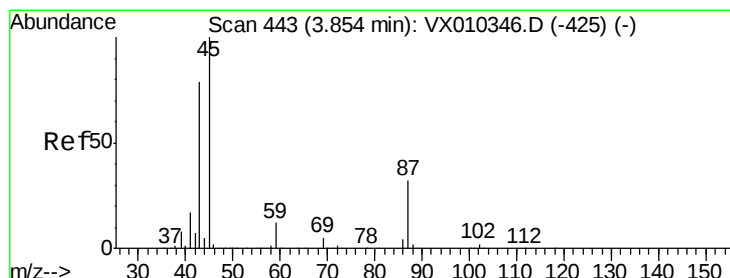
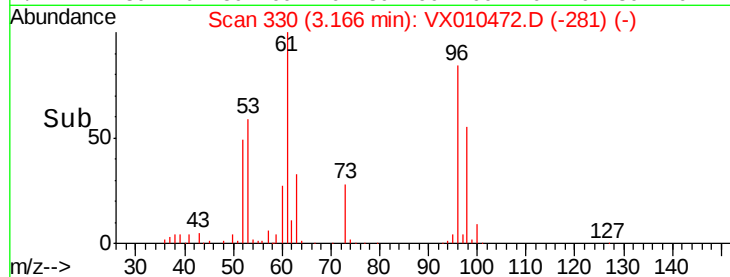
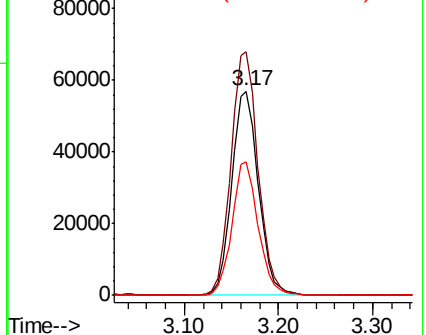
96 100

61 119.2 95.6 143.4

98 65.1 52.5 78.7



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



#22

Diisopropyl ether

Concen: 50.113 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion: 45 Resp: 325387

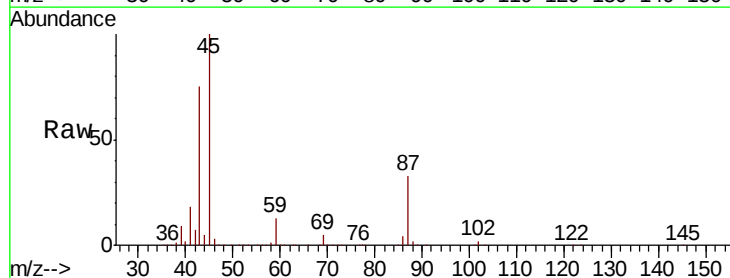
Ion Ratio Lower Upper

45 100

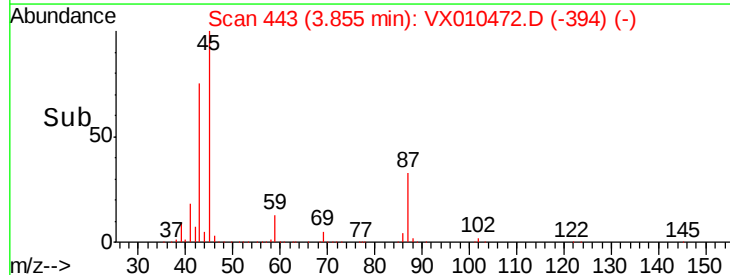
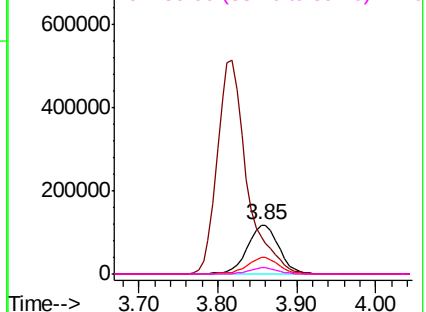
43 75.0 63.3 94.9

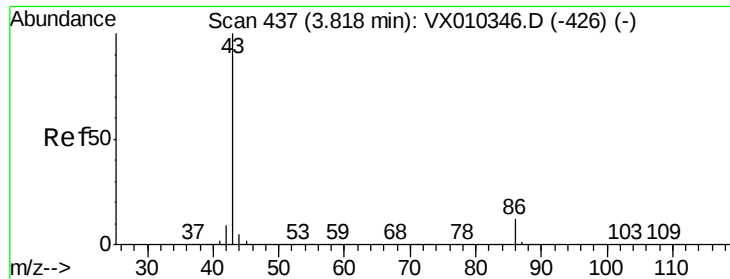
87 32.6 25.8 38.8

59 12.9 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 239.741 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

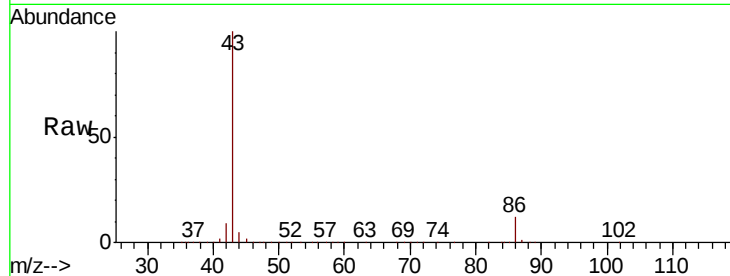
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 43 Resp: 1344779

Ion Ratio Lower Upper

43 100

86 12.3 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

500000

400000

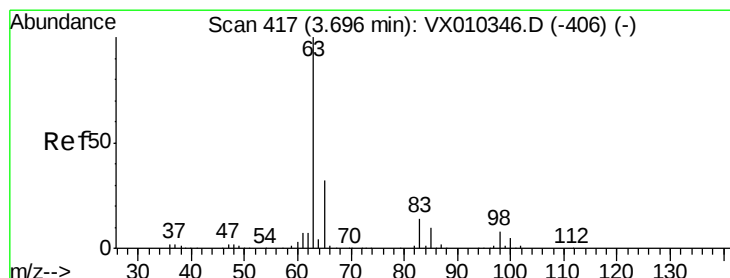
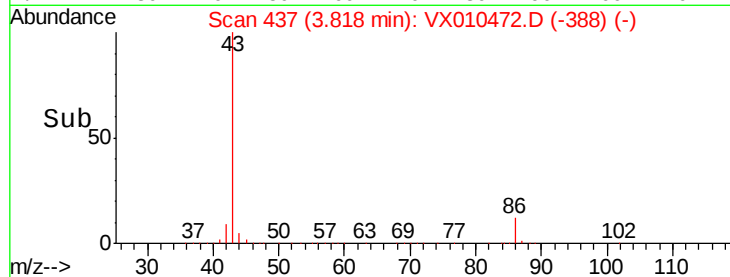
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.012 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

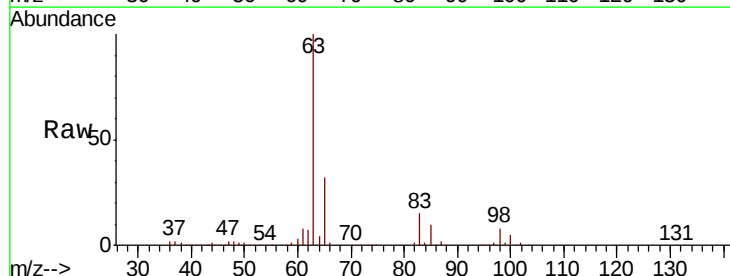
Tgt Ion: 63 Resp: 187705

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.7

100 5.0 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

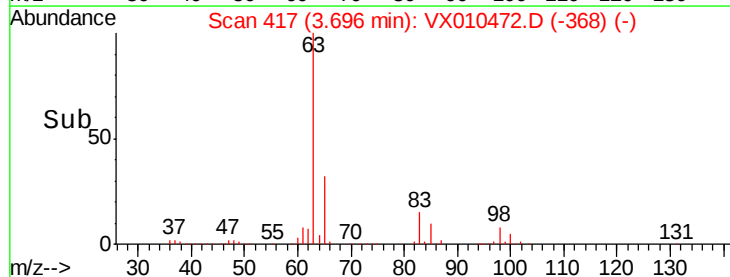
60000

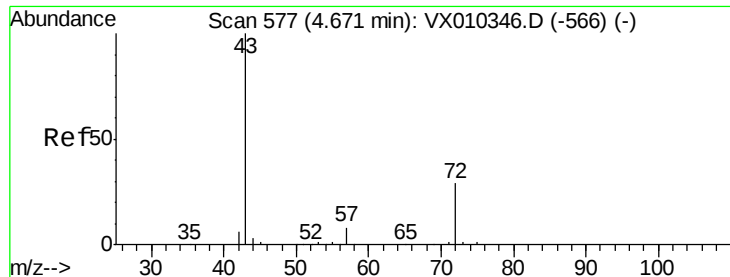
40000

20000

0

Time-->





#25

2-Butanone

Concen: 240.400 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

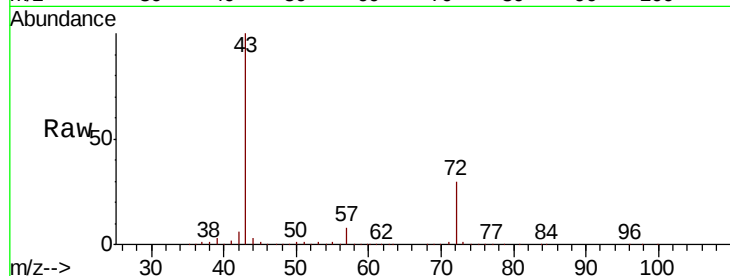
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 43 Resp: 418181

Ion Ratio Lower Upper

43 100

72 29.6 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

150000

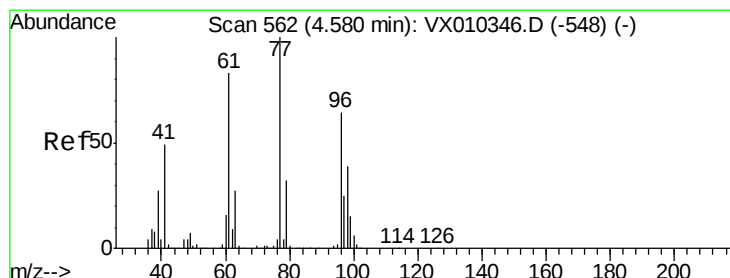
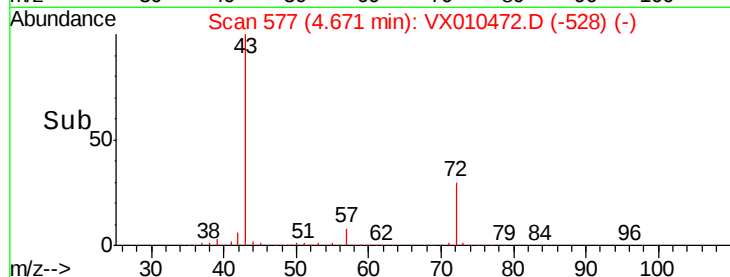
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 44.091 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010472.D

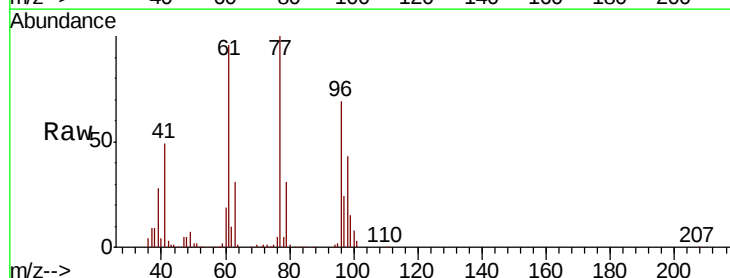
Acq: 26 Jun 2019 18:53

Tgt Ion: 77 Resp: 143753

Ion Ratio Lower Upper

77 100

97 25.5 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

50000

40000

30000

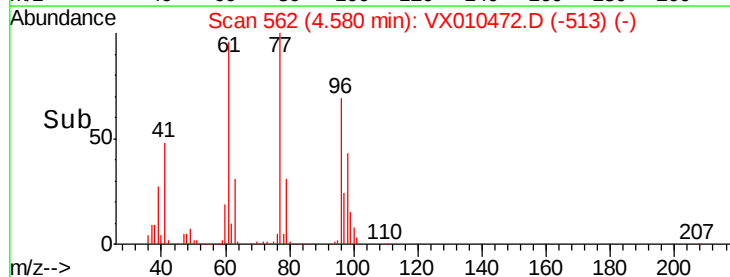
20000

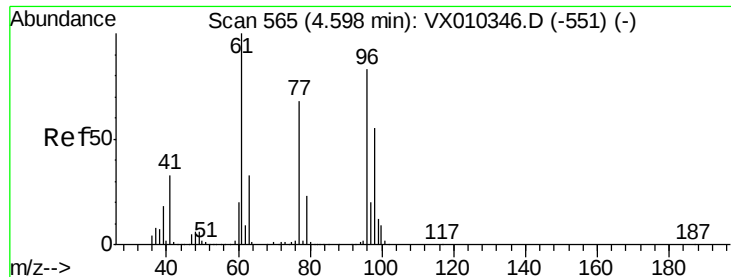
10000

0

4.40 4.50 4.60 4.70

Time-->



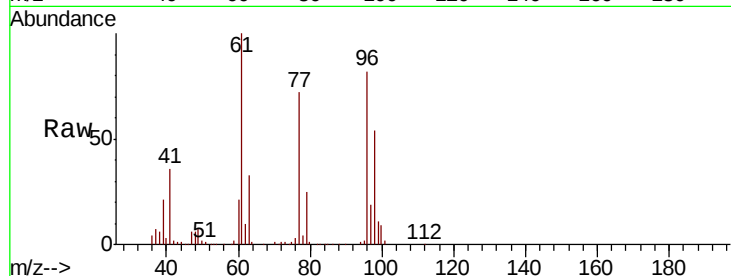


#27

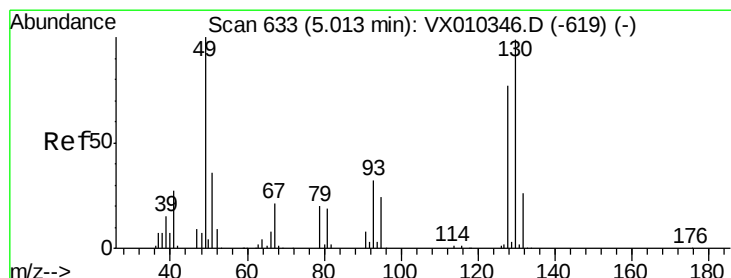
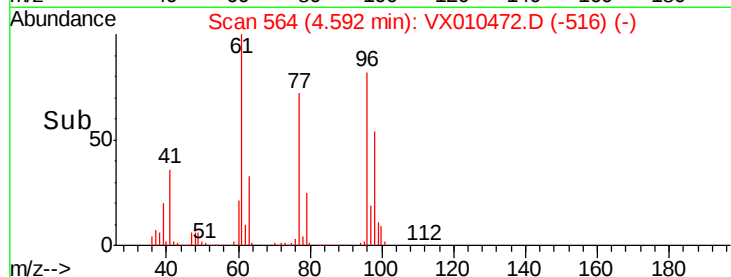
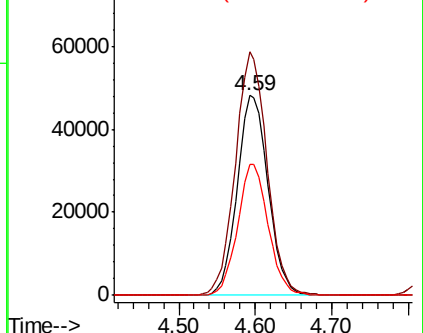
cis-1,2-Dichloroethene
Concen: 49.684 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.8	0.0	251.8
98	65.1	0.0	129.4



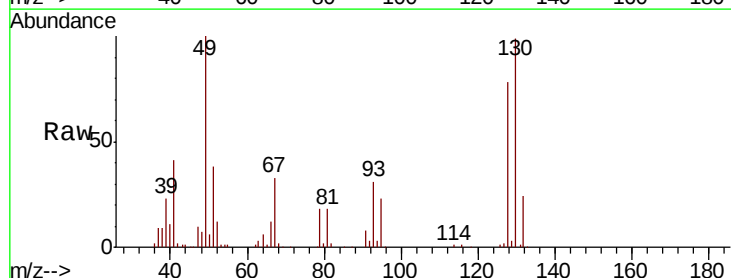
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



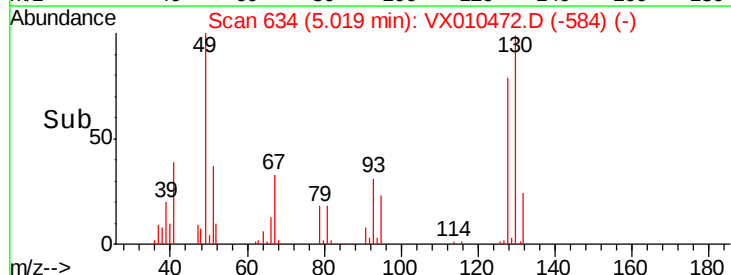
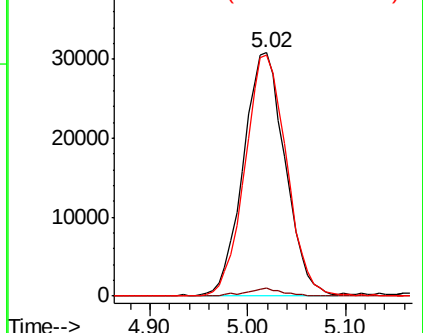
#28

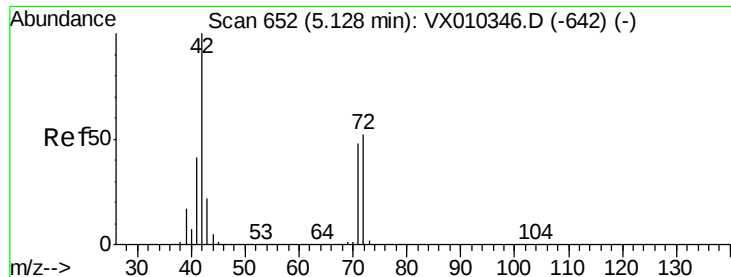
Bromochloromethane
Concen: 50.884 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	98.9	81.4	122.0



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: 258.830 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

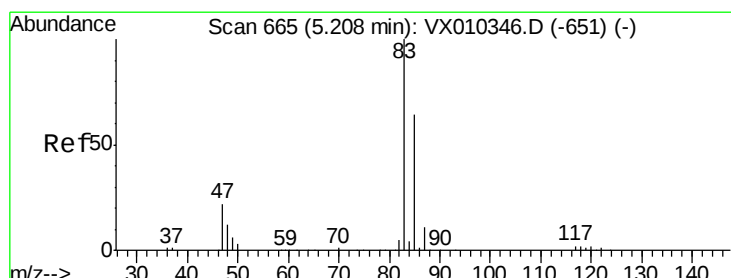
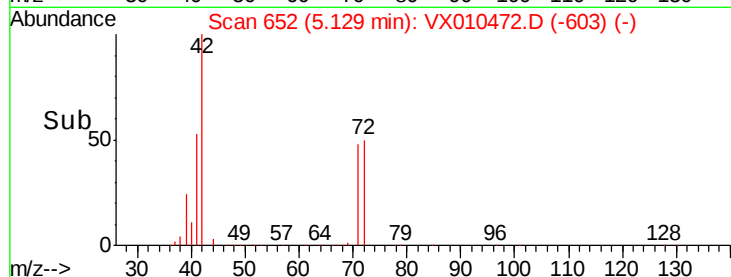
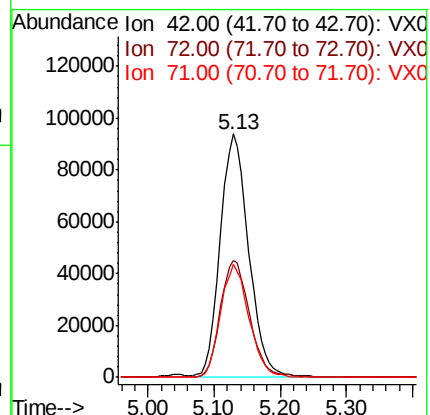
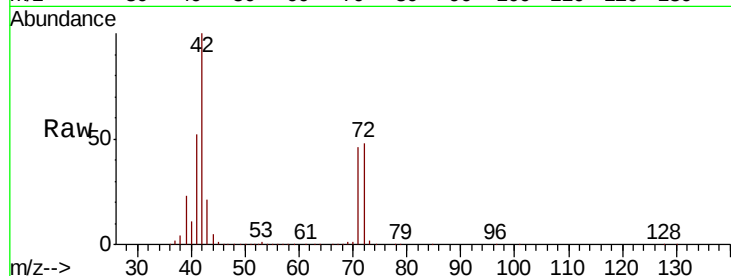
Tot Ion: 42 Resp: 278882

Ion Ratio Lower Upper

42 100

72 49.9 40.6 60.8

71 46.4 37.8 56.8



#30

Chloroform

Concen: 50.130 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010472.D

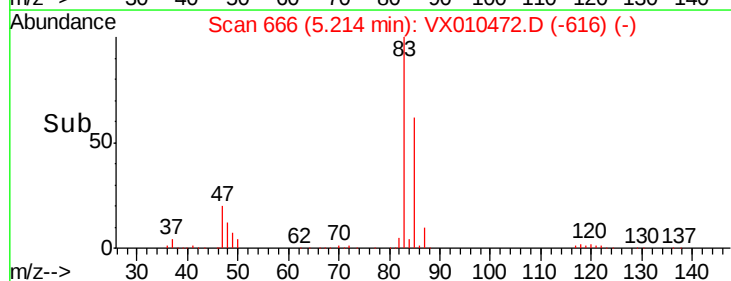
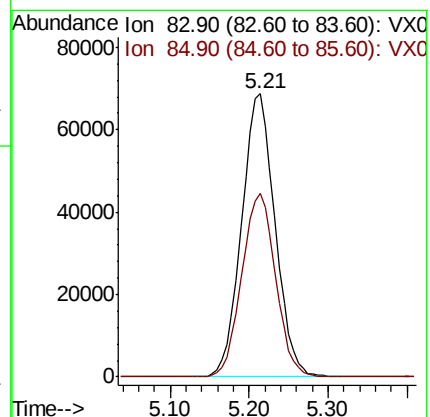
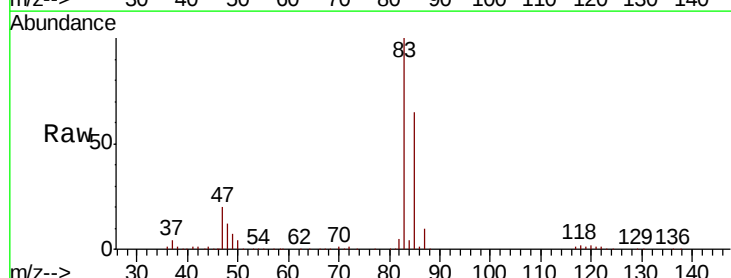
Acq: 26 Jun 2019 18:53

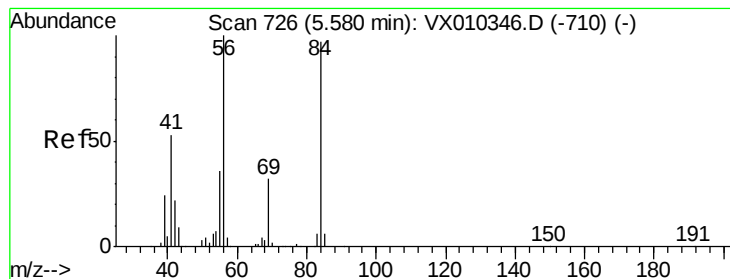
Tgt Ion: 83 Resp: 202440

Ion Ratio Lower Upper

83 100

85 64.6 50.9 76.3





#31

Cyclohexane

Concen: 48.651 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

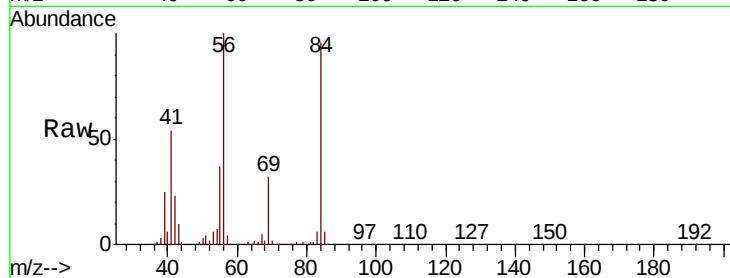
Tot Ion: 56 Resp: 166282

Ion Ratio Lower Upper

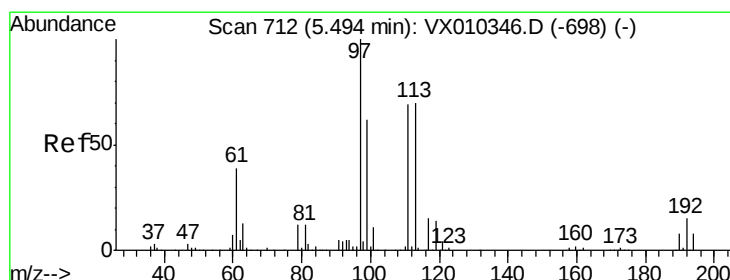
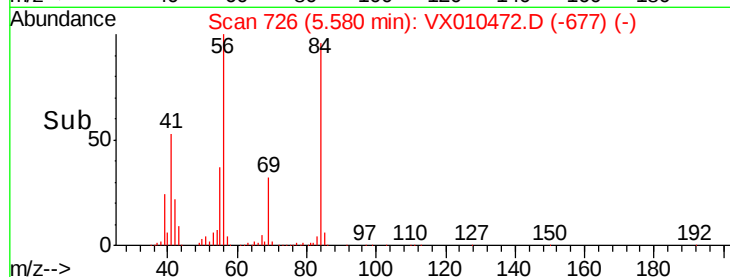
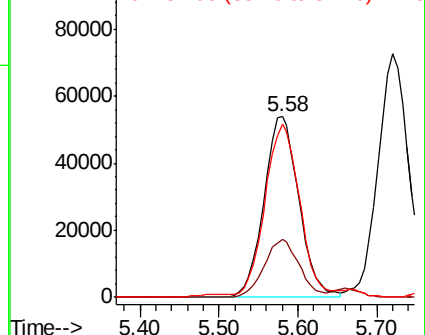
56 100

69 32.0 25.9 38.9

84 95.3 78.0 117.0



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 50.028 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

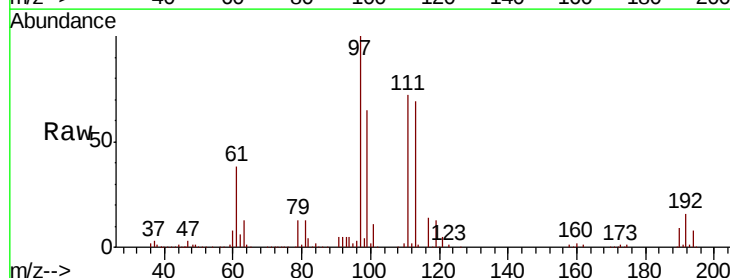
Tgt Ion: 97 Resp: 178388

Ion Ratio Lower Upper

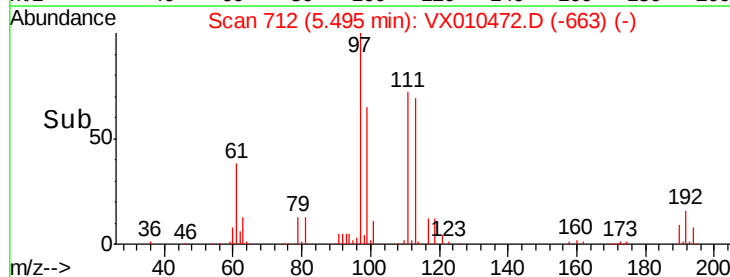
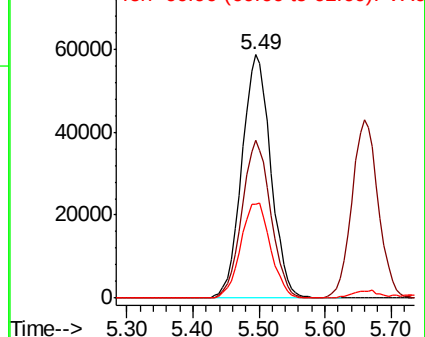
97 100

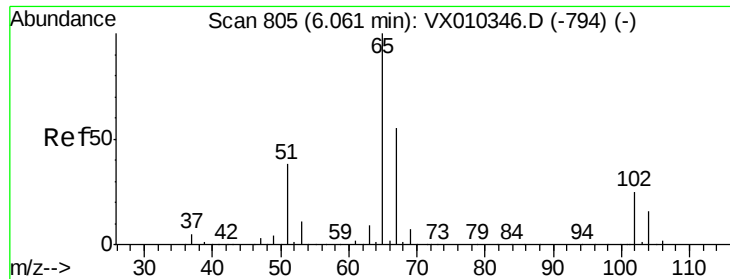
99 64.4 51.8 77.8

61 40.3 32.1 48.1



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.132 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

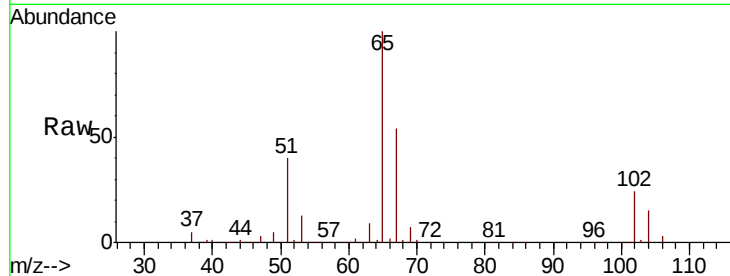
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 65 Resp: 123354

Ion Ratio Lower Upper

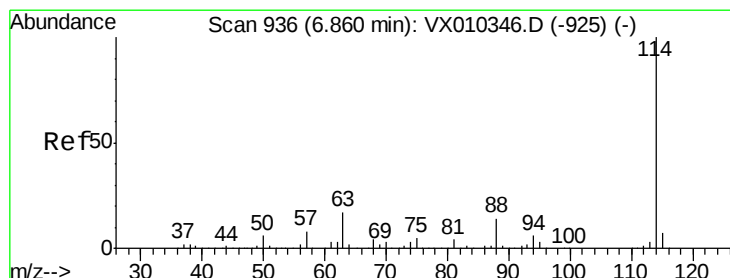
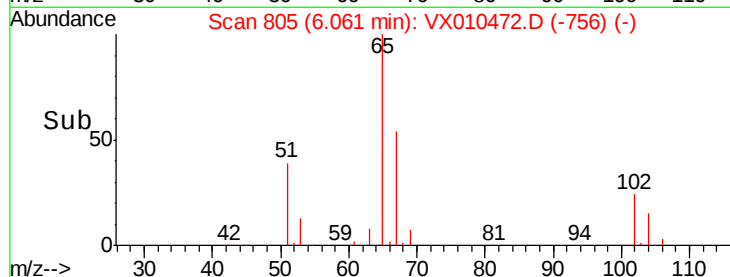
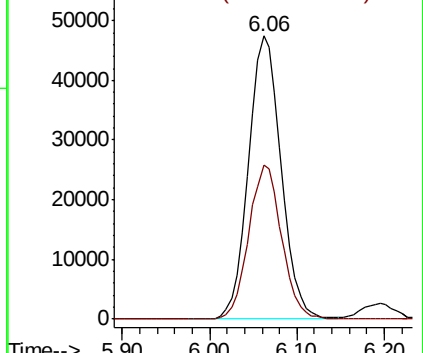
65 100

67 54.7 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

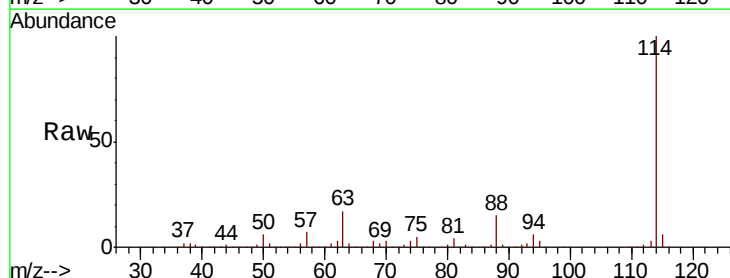
Tgt Ion: 114 Resp: 380590

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.8

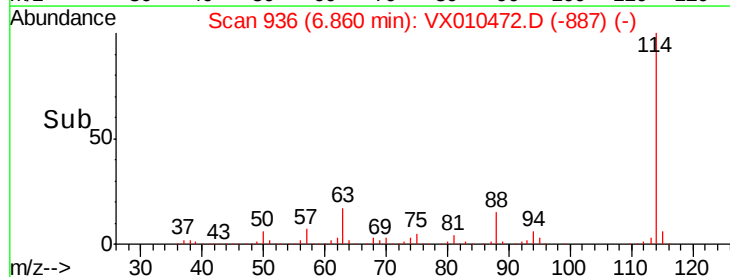
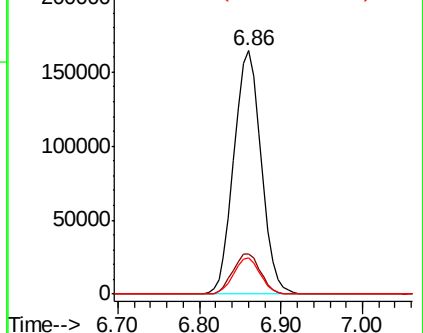
88 14.8 0.0 27.6

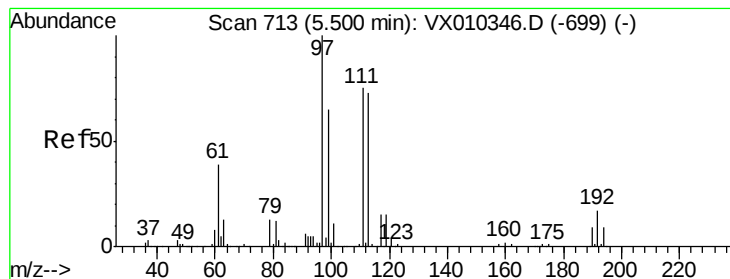


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.230 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

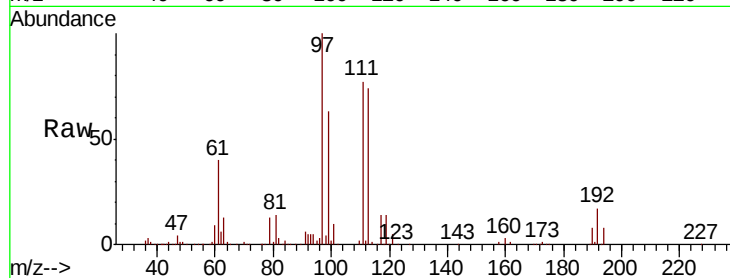
Tot Ion:113 Resp: 119293

Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

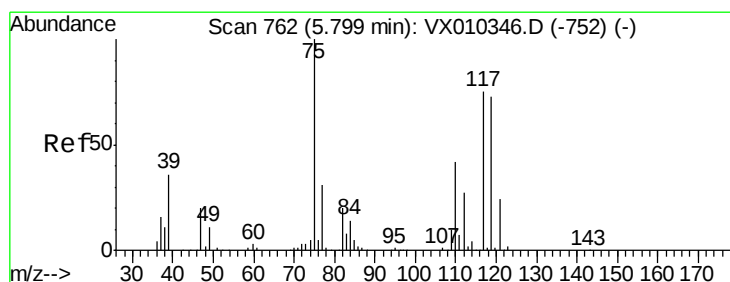
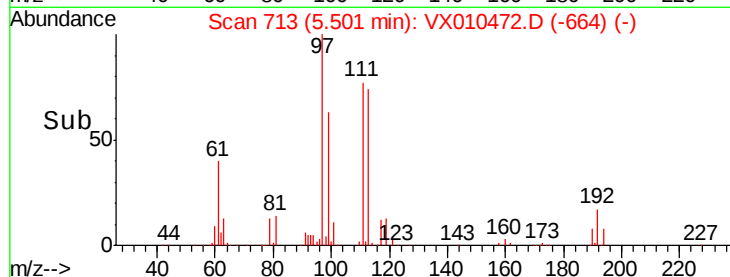
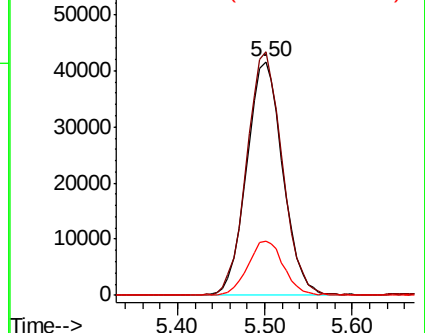
192 23.1 18.6 27.8



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: 48.362 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

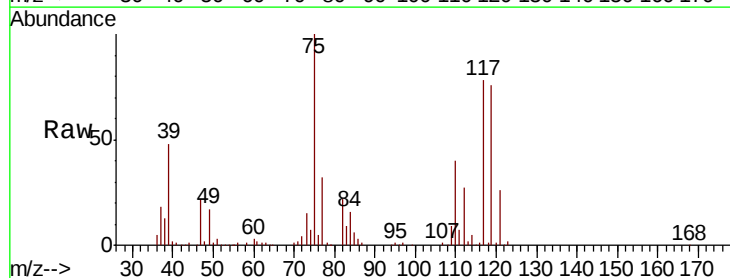
Tgt Ion: 75 Resp: 146265

Ion Ratio Lower Upper

75 100

110 40.7 20.8 62.2

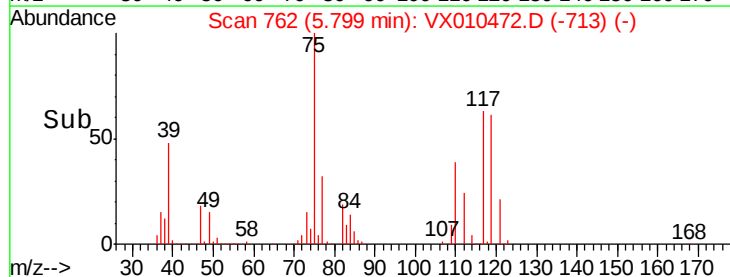
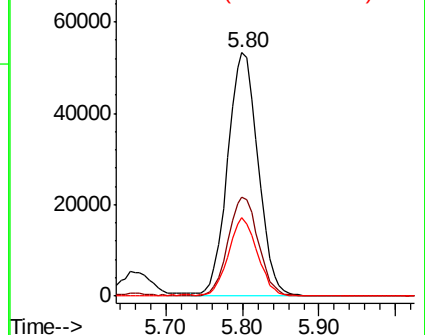
77 30.5 25.4 38.0

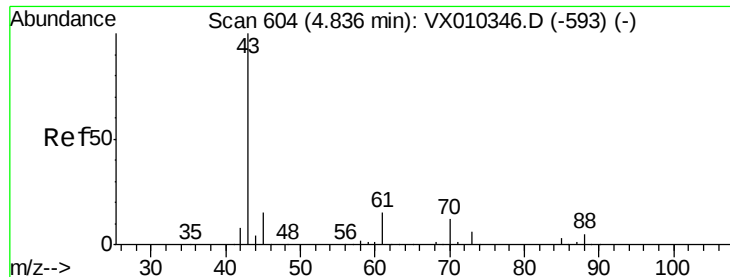


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 48.469 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

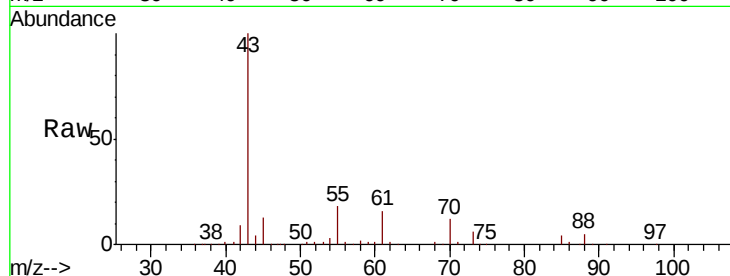
Tot Ion: 43 Resp: 150805

Ion Ratio Lower Upper

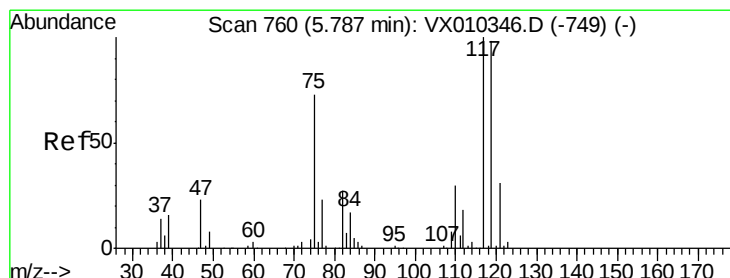
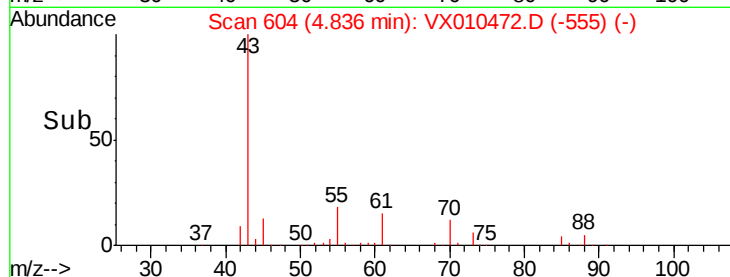
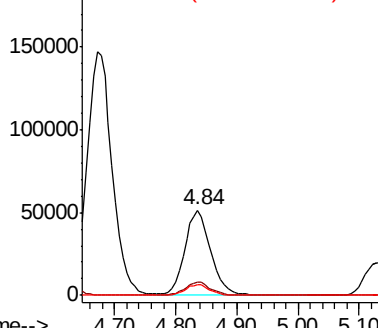
43 100

61 15.5 12.4 18.6

70 12.0 9.8 14.8



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: 48.980 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

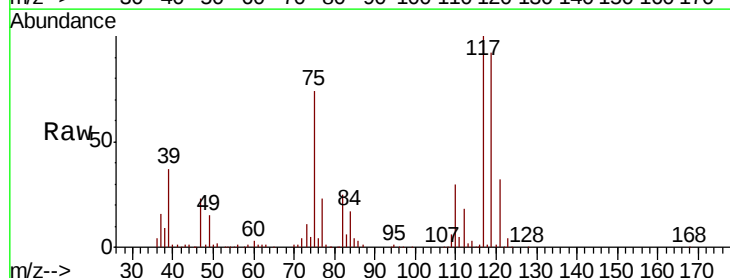
Tgt Ion: 117 Resp: 160408

Ion Ratio Lower Upper

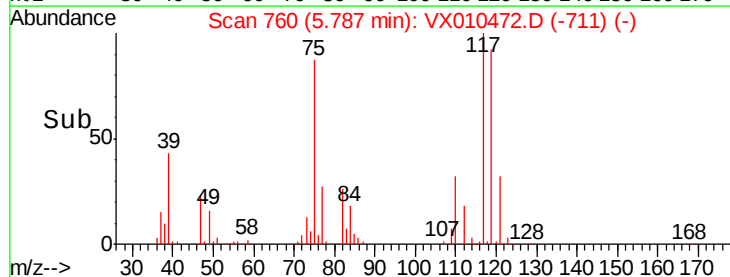
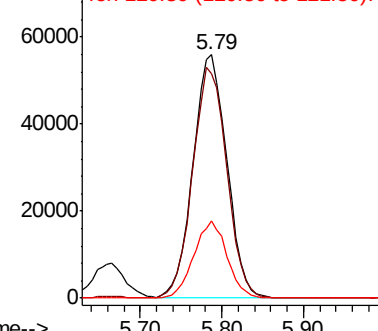
117 100

119 92.2 78.2 117.4

121 31.5 24.7 37.1



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

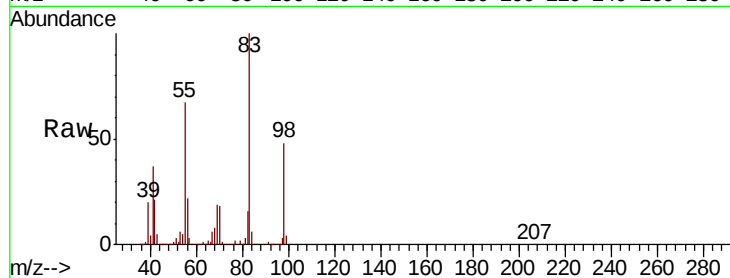




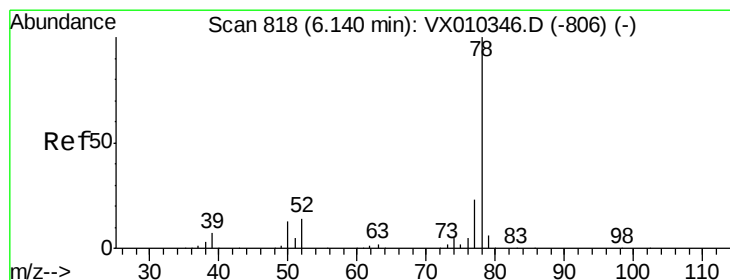
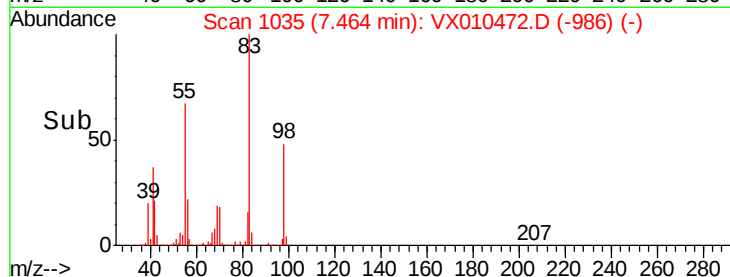
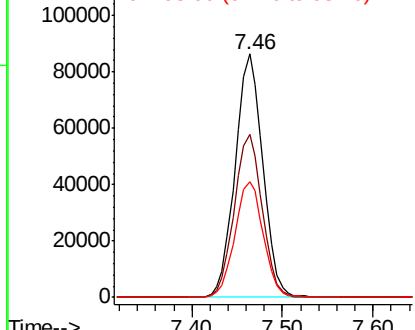
#39
Methvlcvclohexane
Concen: 45.914 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 83 Resp: 182529
Ion Ratio Lower Upper
83 100
55 66.8 53.0 79.6
98 47.7 37.8 56.8

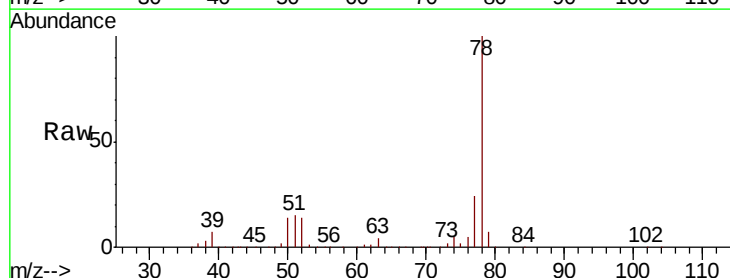


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

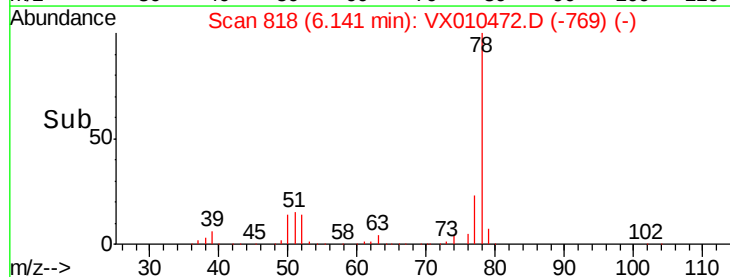
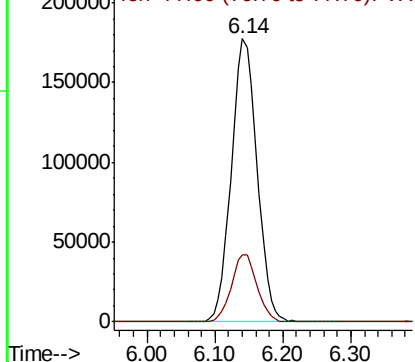


#40
Benzene
Concen: 49.442 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion: 78 Resp: 465859
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

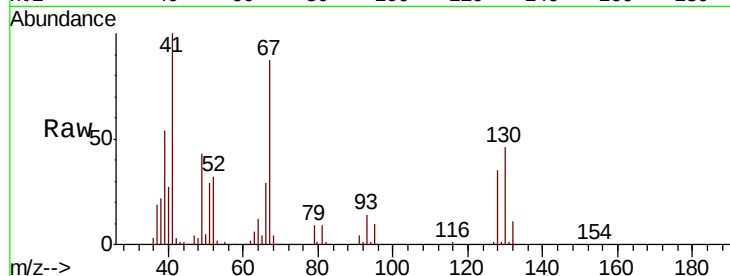




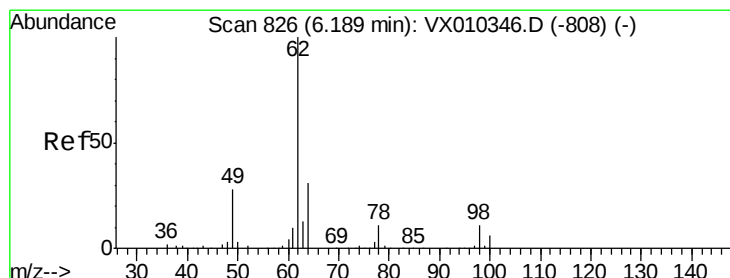
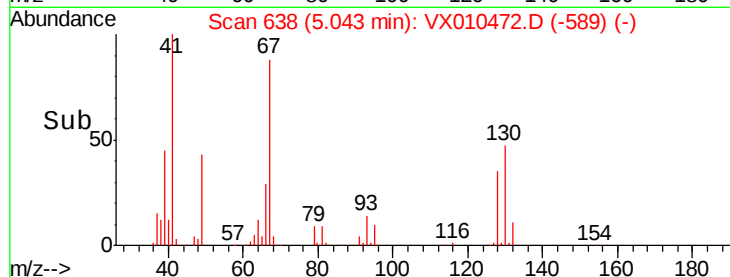
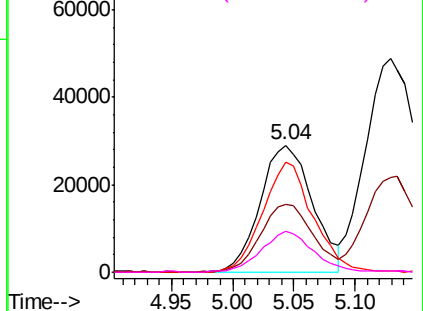
#41
Methacrylonitrile
Concen: 50.466 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:	41	Resp:	86152
Ion	Ratio	Lower	Upper
41	100		
39	53.1	43.8	65.8
67	83.8	66.6	100.0
52	31.0	24.5	36.7

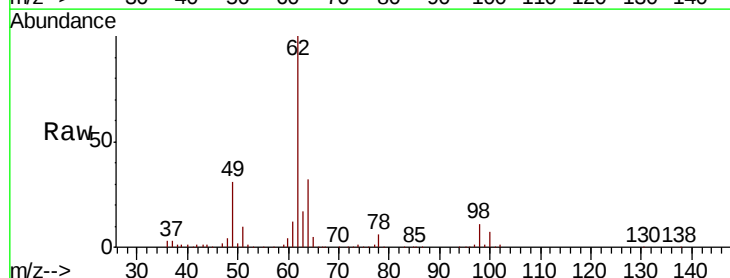


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

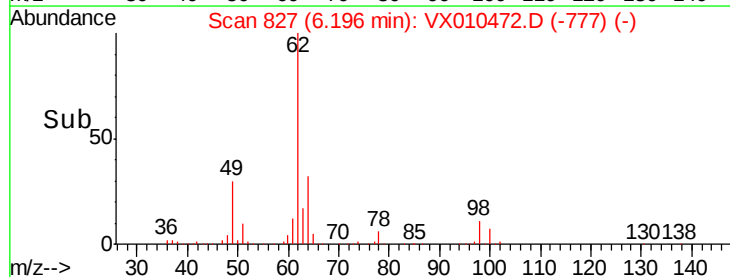
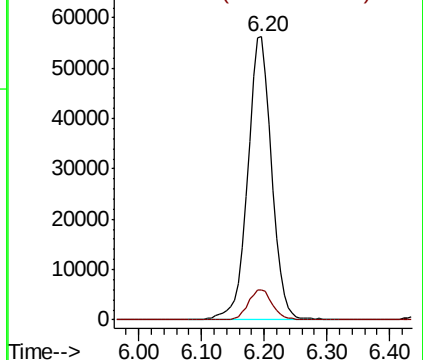


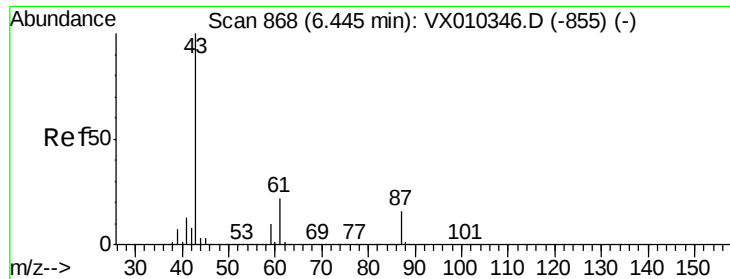
#42
1,2-Dichloroethane
Concen: 51.693 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion:	62	Resp:	148265
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



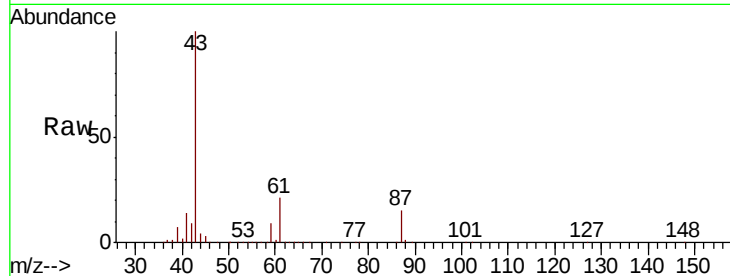


#43

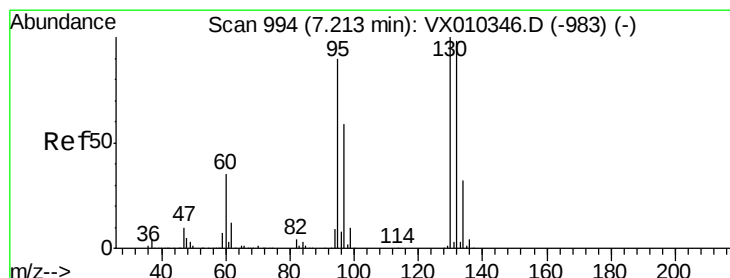
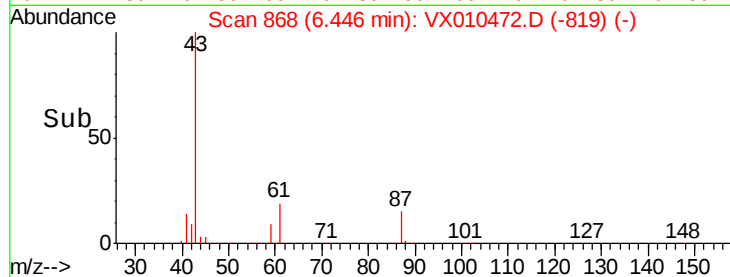
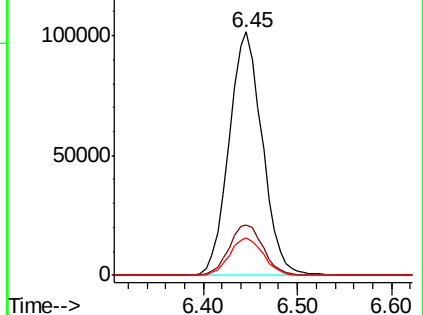
Isopropyl Acetate
 Concen: 48.252 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 43 Resp: 248388
 Ion Ratio Lower Upper
 43 100
 61 21.5 17.8 26.6
 87 15.7 13.0 19.4



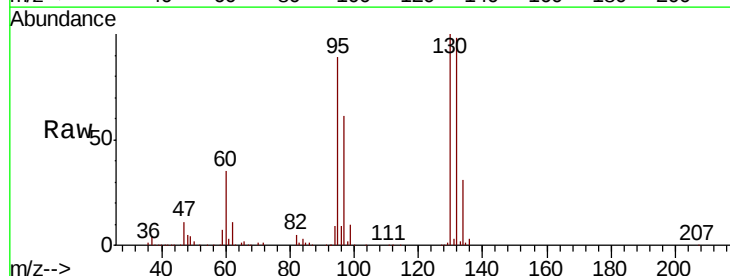
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



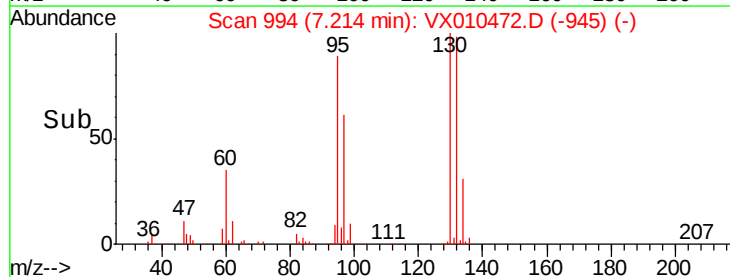
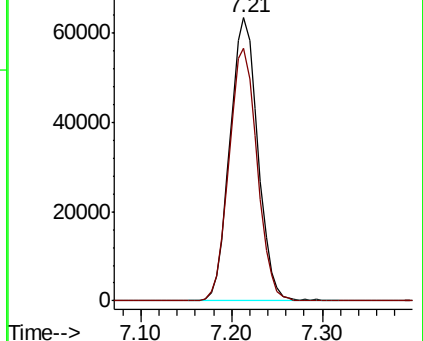
#44

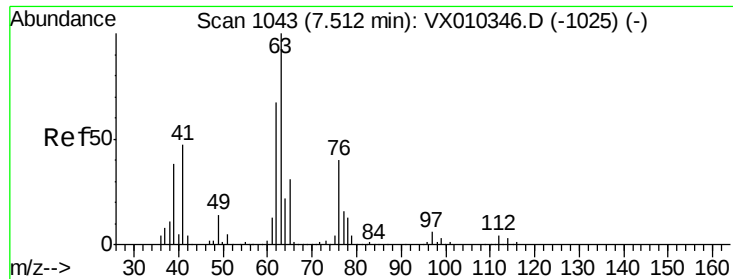
Trichloroethene
 Concen: 48.219 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion:130 Resp: 135949
 Ion Ratio Lower Upper
 130 100
 95 89.3 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.674 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

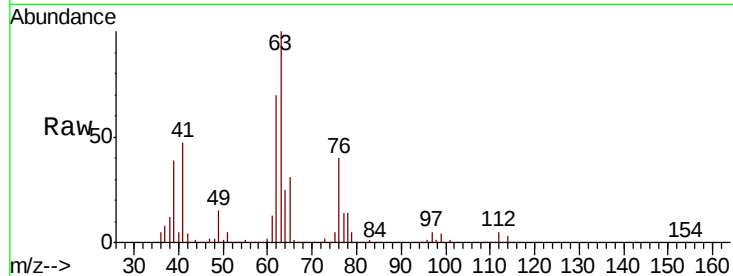
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 63 Resp: 118196

Ion Ratio Lower Upper

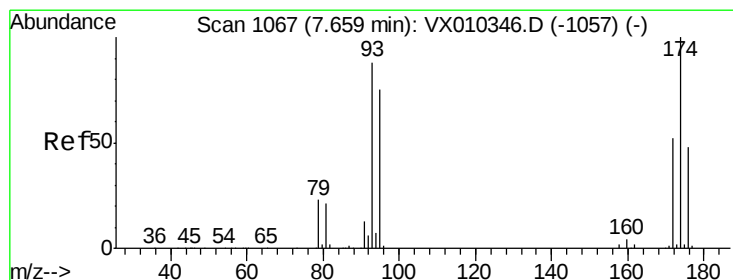
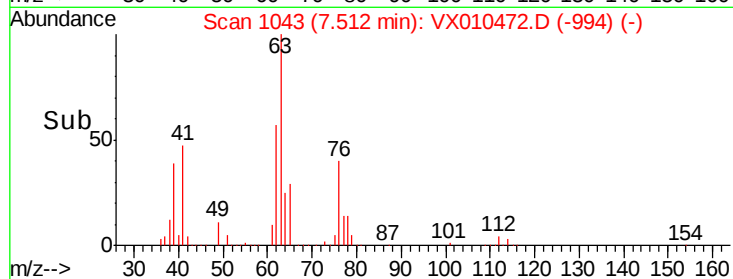
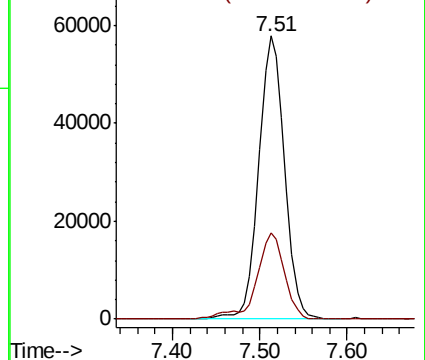
63 100

65 30.5 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.541 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

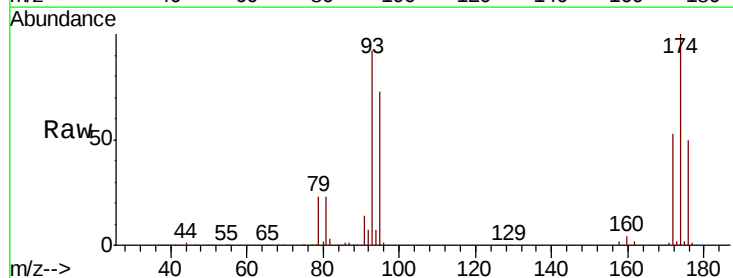
Tgt Ion: 93 Resp: 86282

Ion Ratio Lower Upper

93 100

95 82.9 67.5 101.3

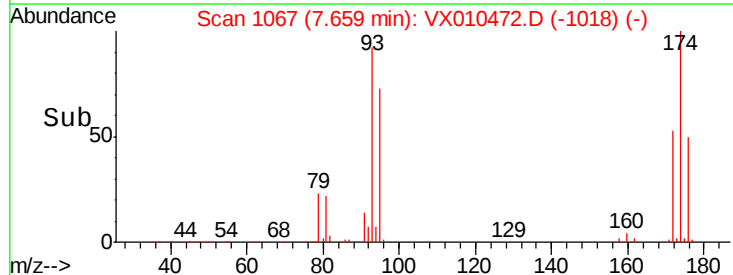
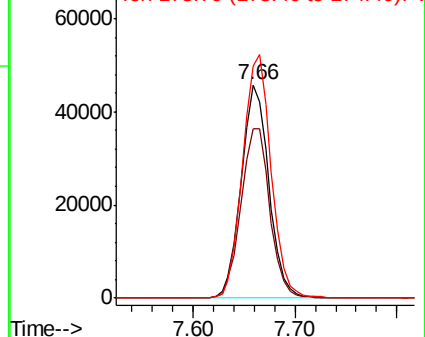
174 117.3 95.8 143.6

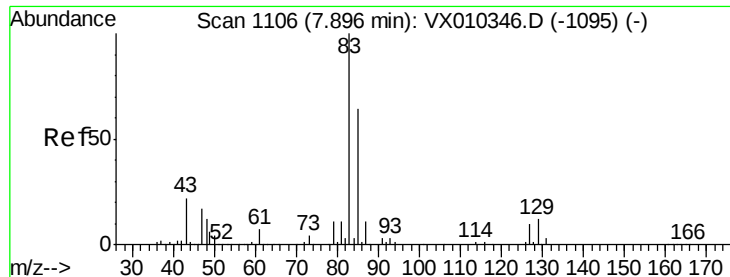


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.130 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

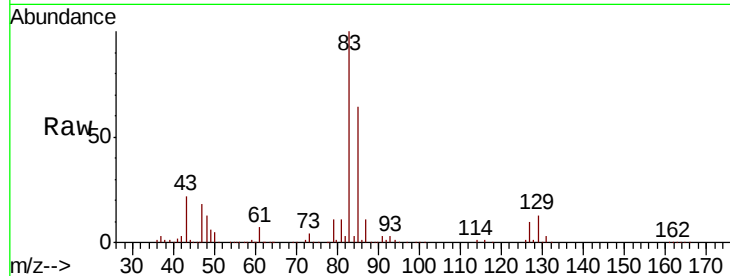
Tot Ion: 83 Resp: 156838

Ion Ratio Lower Upper

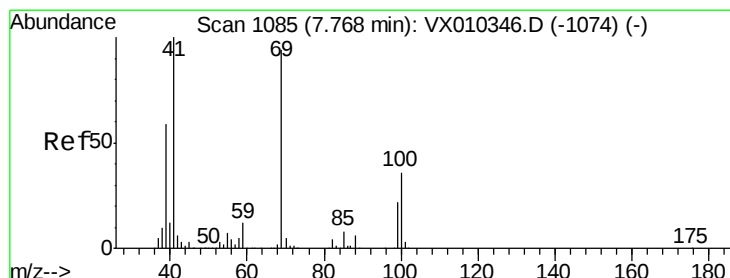
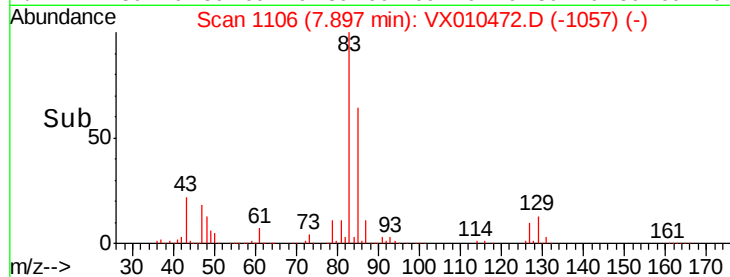
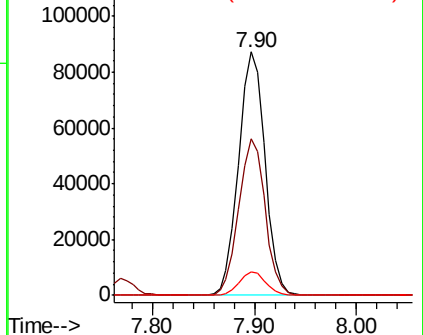
83 100

85 64.2 51.5 77.3

127 9.9 7.8 11.8



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: 51.489 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

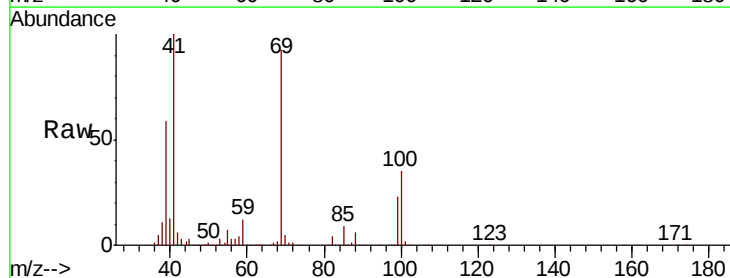
Tgt Ion: 41 Resp: 123198

Ion Ratio Lower Upper

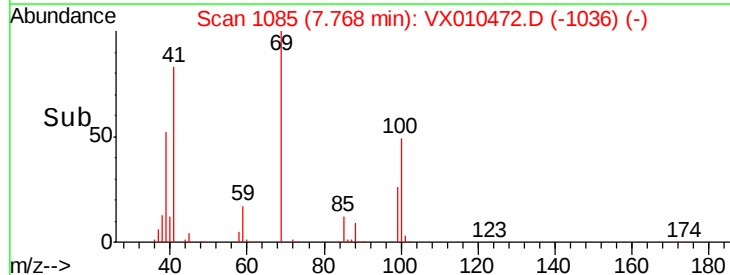
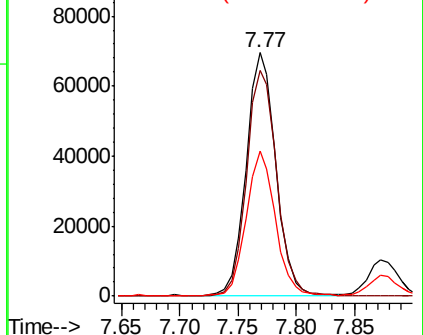
41 100

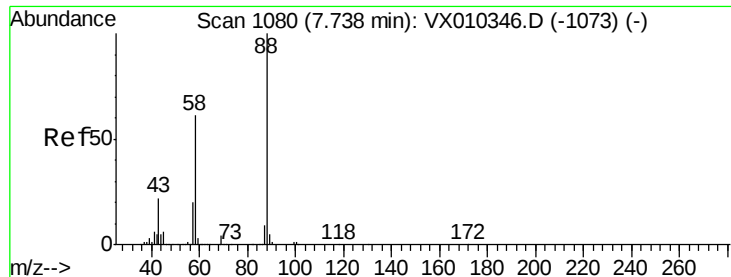
69 94.6 76.1 114.1

39 58.6 47.6 71.4



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: 983.287 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

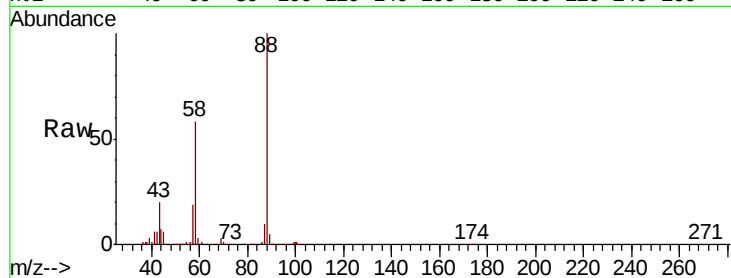
Tot Ion: 88 Resp: 67776

Ion Ratio Lower Upper

88 100

43 26.4 20.2 30.2

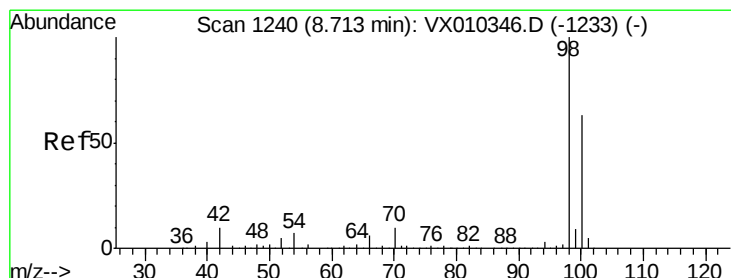
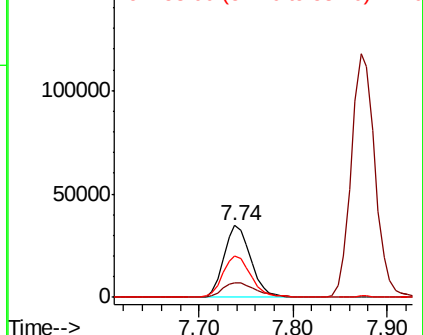
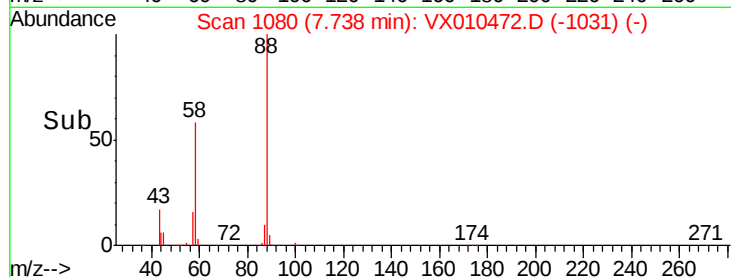
58 60.3 49.5 74.3



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: 50.391 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010472.D

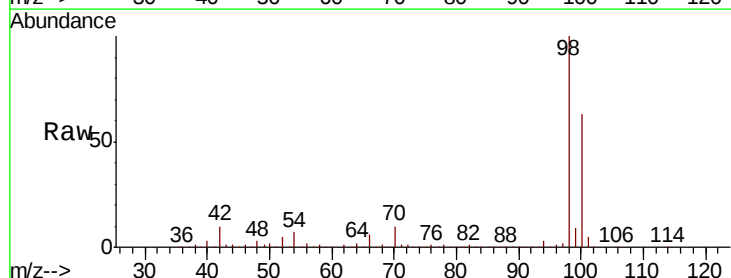
Acq: 26 Jun 2019 18:53

Tgt Ion: 98 Resp: 448920

Ion Ratio Lower Upper

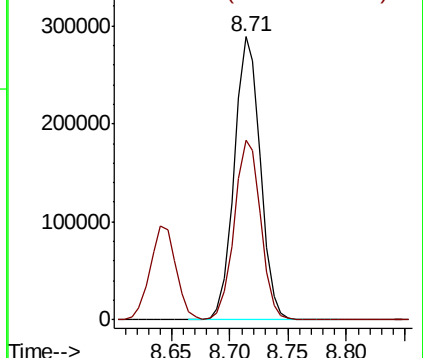
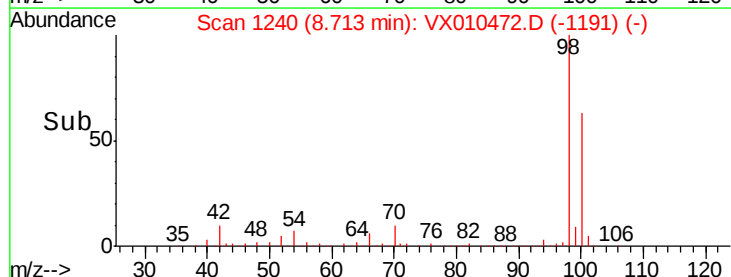
98 100

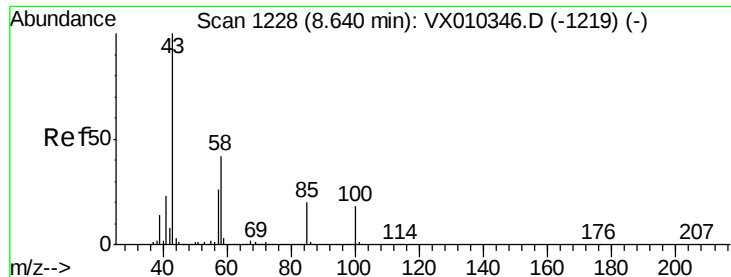
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 252.795 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

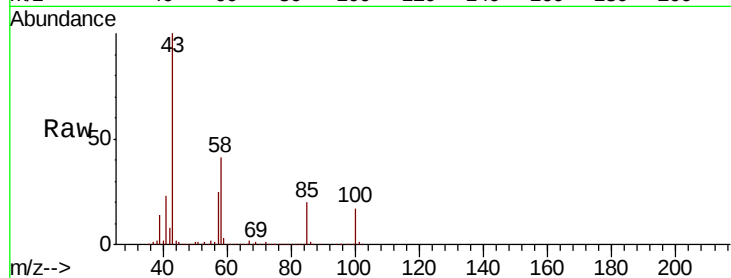
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 43 Resp: 832266

Ion Ratio Lower Upper

43 100

58 41.3 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

600000

500000

400000

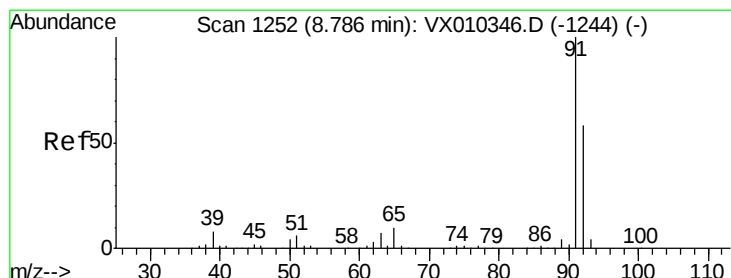
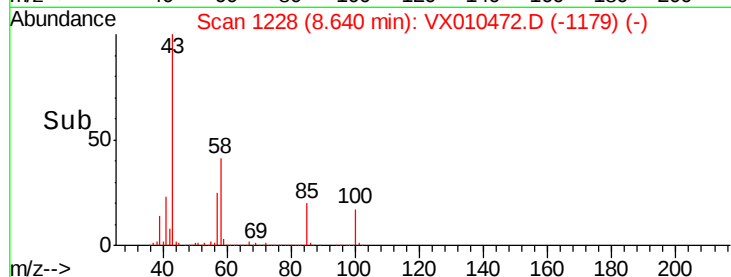
300000

200000

100000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 48.634 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010472.D

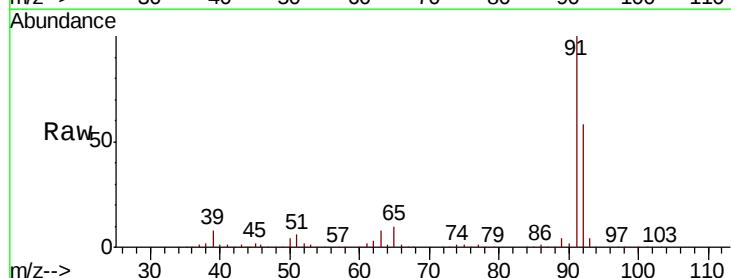
Acq: 26 Jun 2019 18:53

Tgt Ion: 92 Resp: 301772

Ion Ratio Lower Upper

92 100

91 174.2 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

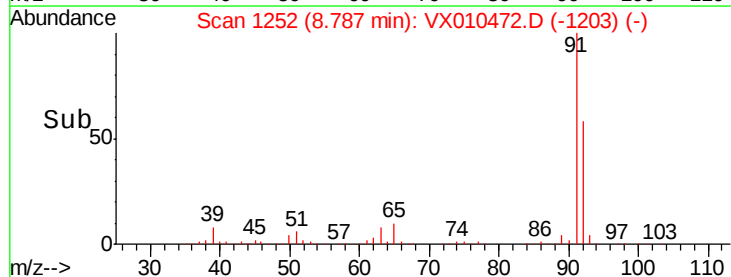
300000

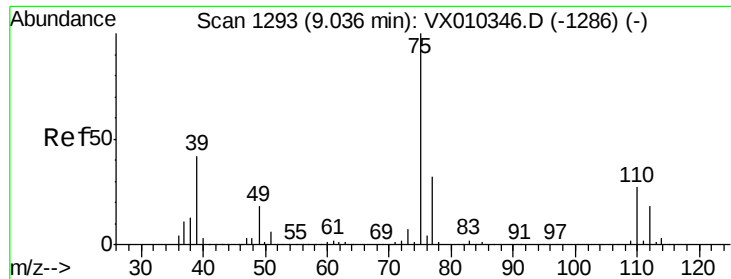
200000

100000

0

Time--> 8.70 8.75 8.80 8.85

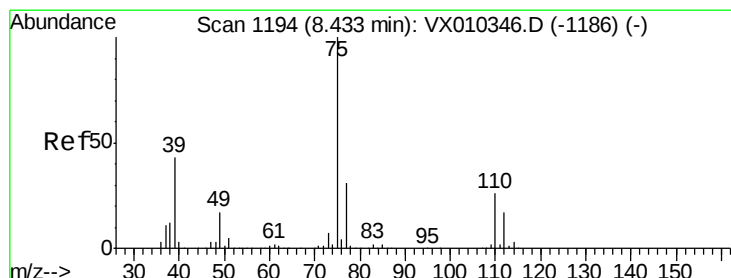
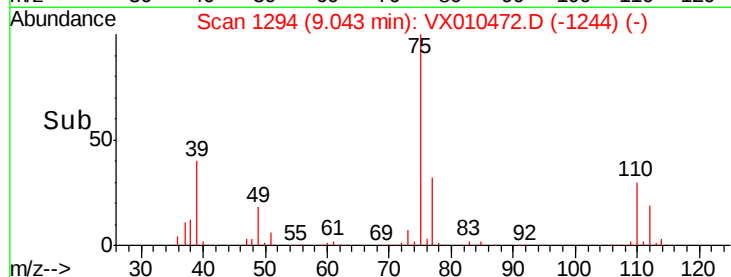
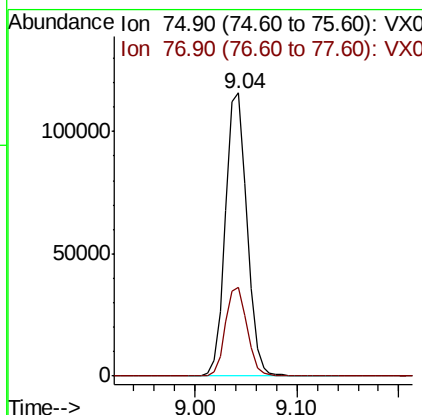
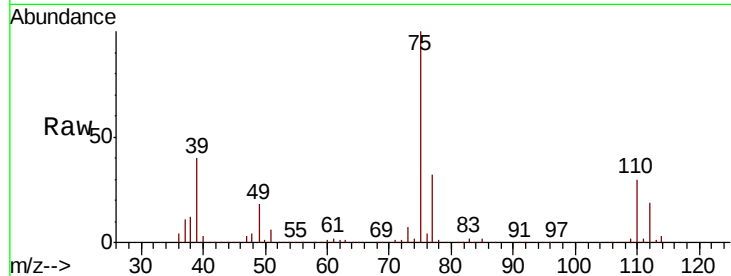




#53
 t-1,3-Dichloropropene
 Concen: 48.366 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

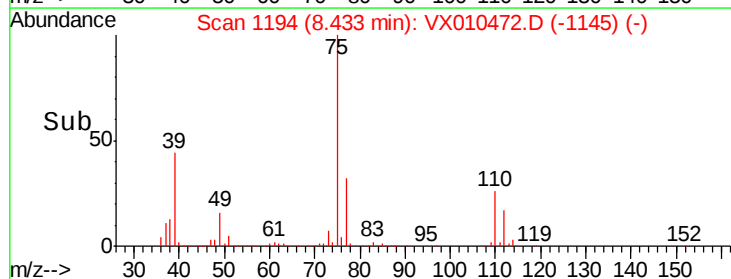
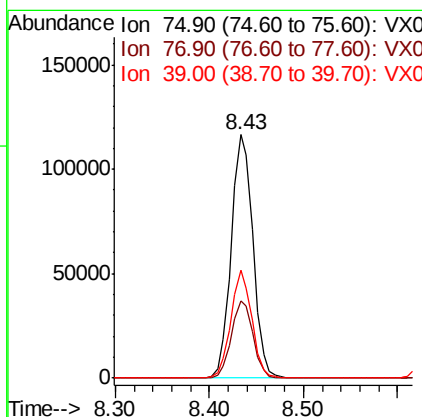
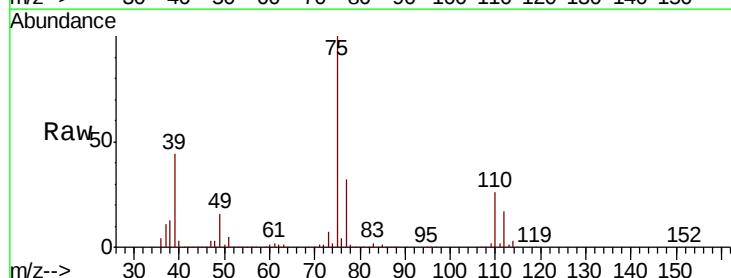
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

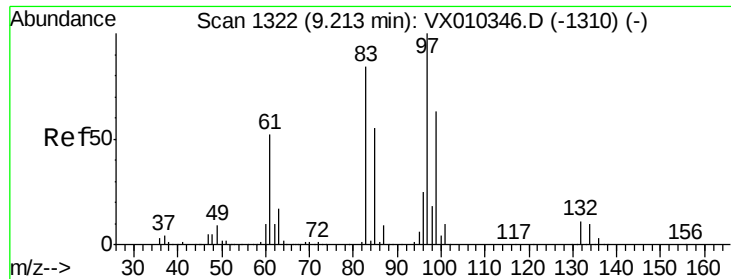
Tot Ion: 75 Resp: 169649
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 48.828 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion: 75 Resp: 186121
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8
 39 44.2 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 50.601 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 97 Resp: 129491

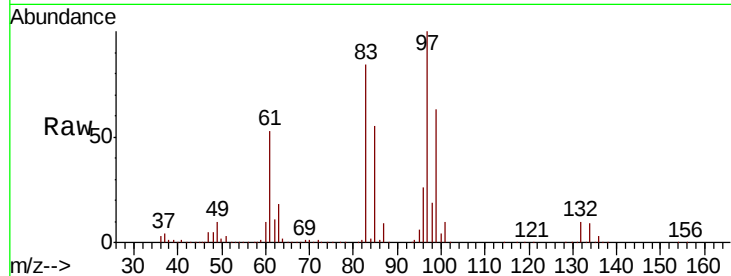
Ion Ratio Lower Upper

97 100

83 83.6 67.4 101.0

85 55.3 43.8 65.8

99 63.3 50.3 75.5



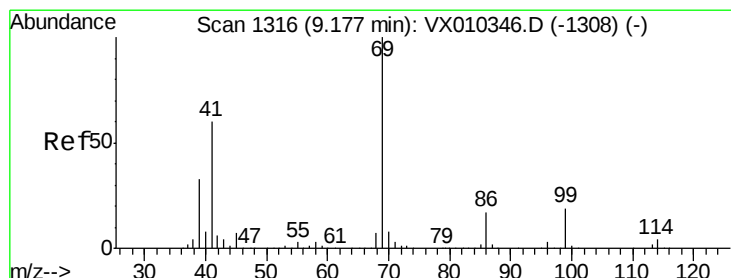
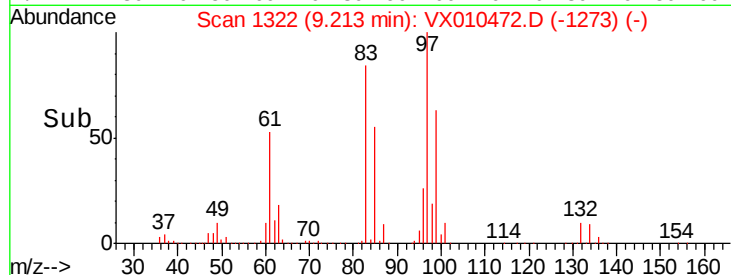
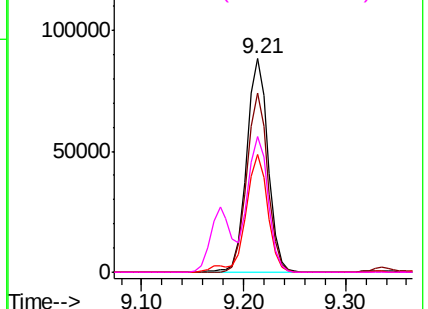
Abundance

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: 49.094 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

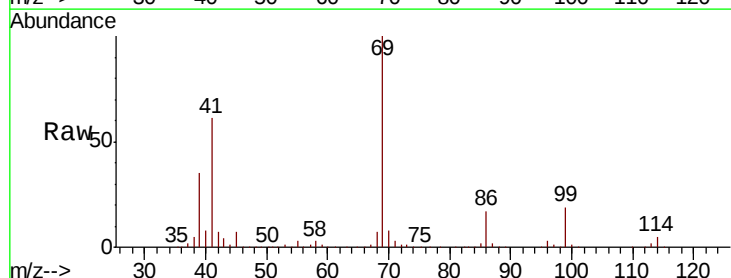
Tgt Ion: 69 Resp: 190318

Ion Ratio Lower Upper

69 100

41 59.8 47.1 70.7

39 34.8 26.6 40.0

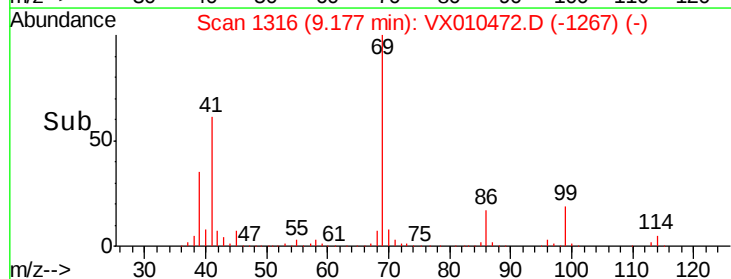
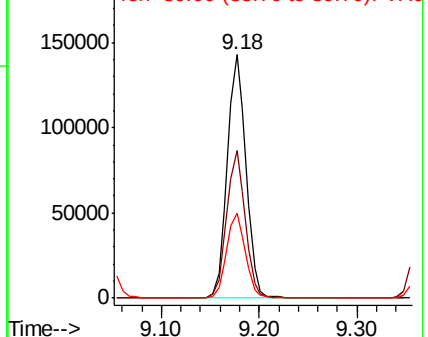


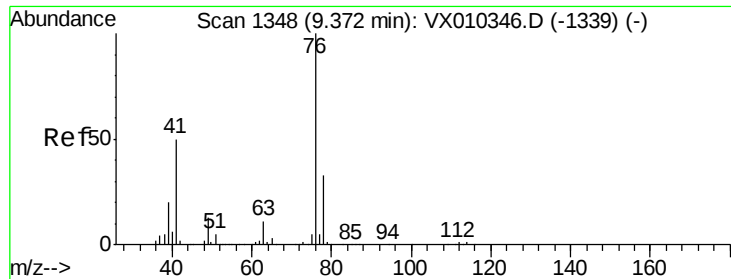
Abundance

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: 50.484 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

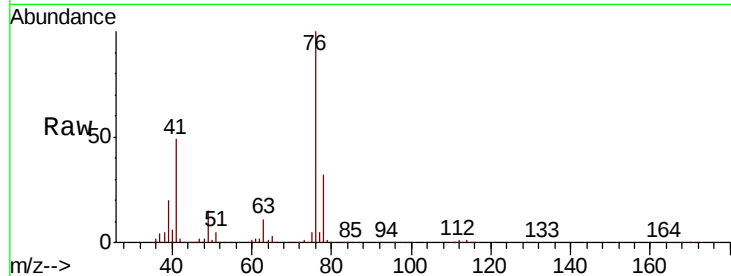
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 76 Resp: 200546

Ion Ratio Lower Upper

76 100

78 32.7 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

100000

50000

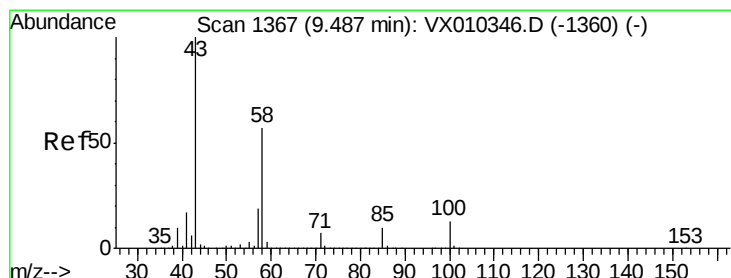
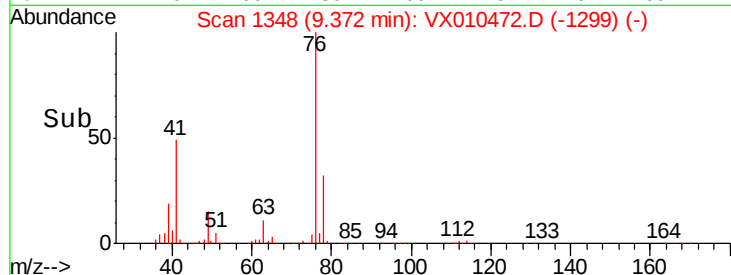
0

Time-->

9.30

9.40

9.50



#59

2-Hexanone

Concen: 245.687 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX010472.D

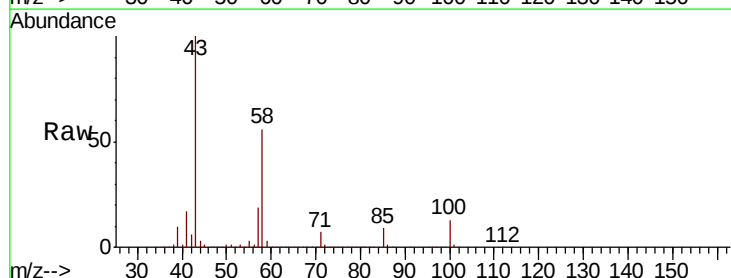
Acq: 26 Jun 2019 18:53

Tgt Ion: 43 Resp: 636607

Ion Ratio Lower Upper

43 100

58 57.2 29.0 87.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

500000

400000

300000

200000

100000

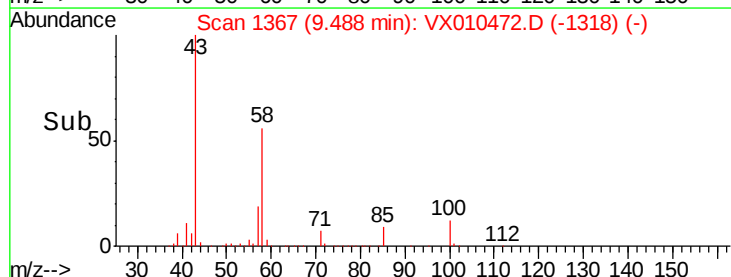
0

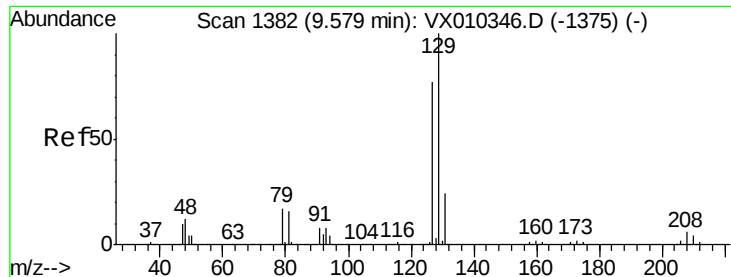
Time-->

9.40

9.50

9.60





#60

Dibromochloromethane

Concen: 49.926 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

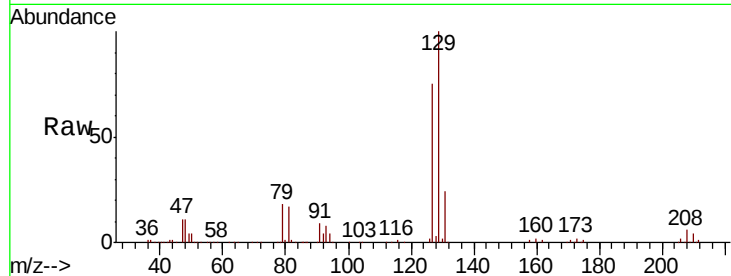
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:129 Resp: 143052

Ion Ratio Lower Upper

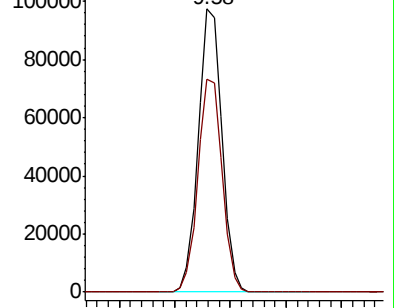
129 100

127 77.0 38.4 115.1

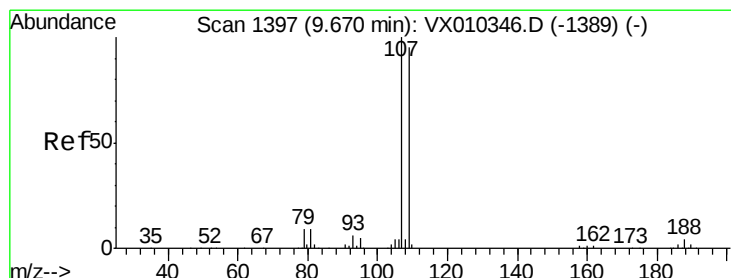
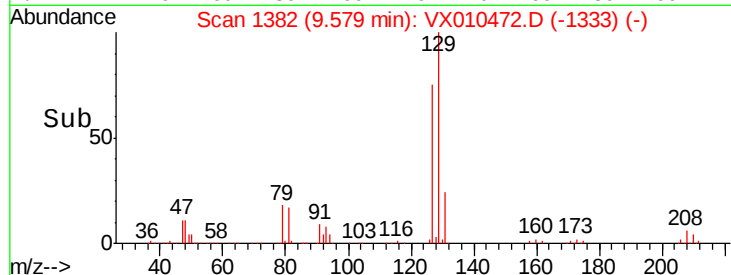


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#61

1,2-Dibromoethane

Concen: 50.083 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010472.D

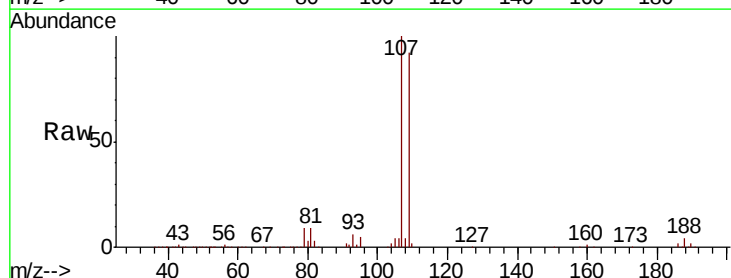
Acq: 26 Jun 2019 18:53

Tgt Ion:107 Resp: 138340

Ion Ratio Lower Upper

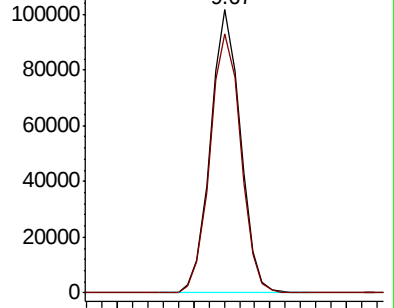
107 100

109 94.2 75.8 113.6

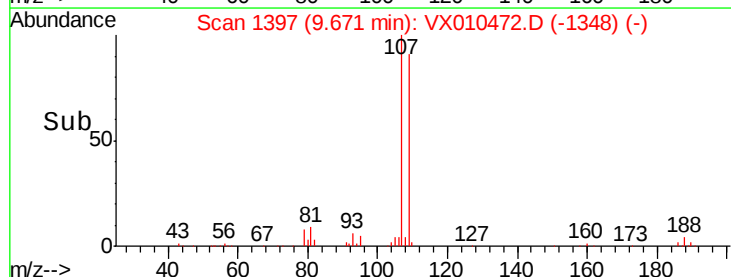


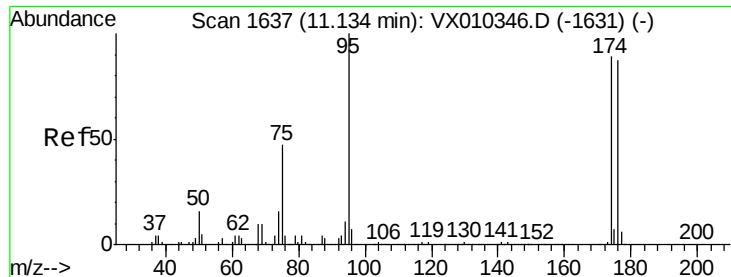
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 49.584 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

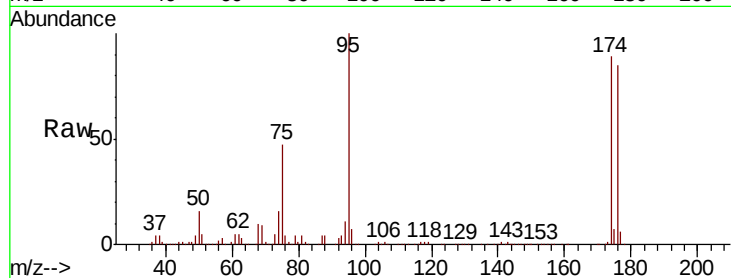
Tot Ion: 95 Resp: 159478

Ion Ratio Lower Upper

95 100

174 93.3 0.0 187.6

176 91.2 0.0 184.0

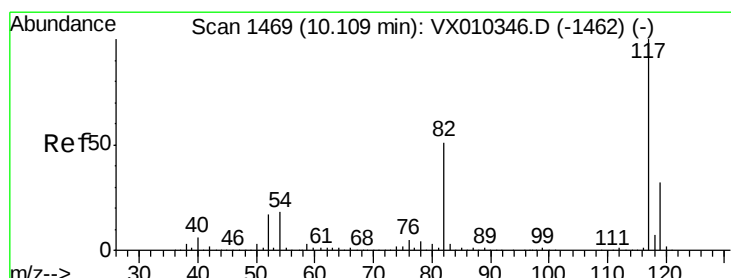
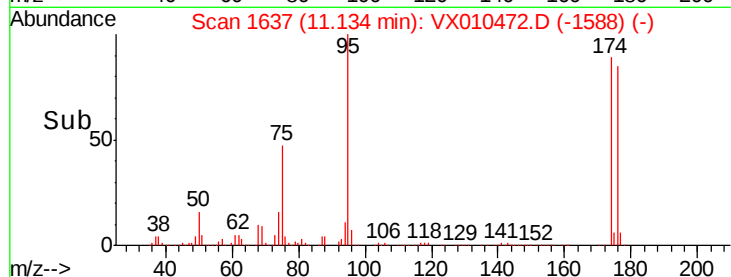


Abundance Ion 94.90 (94.60 to 95.60): VX010472.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010472.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010472.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

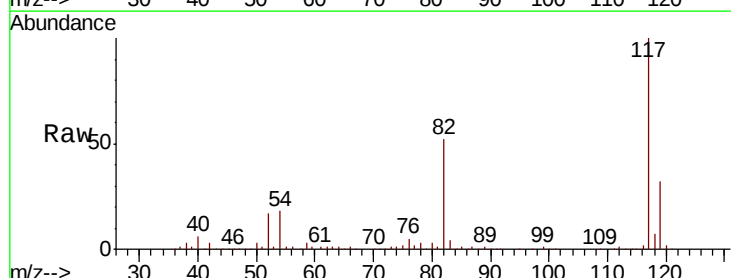
Tgt Ion: 117 Resp: 343991

Ion Ratio Lower Upper

117 100

82 51.6 41.2 61.8

119 31.5 25.5 38.3

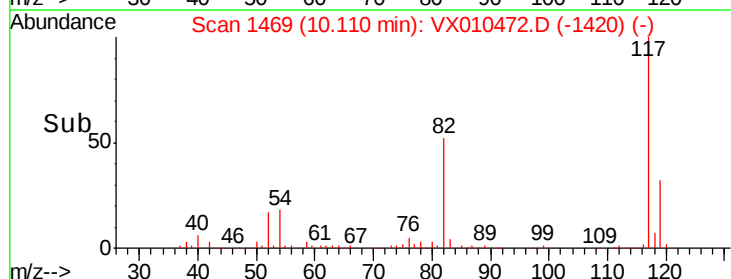


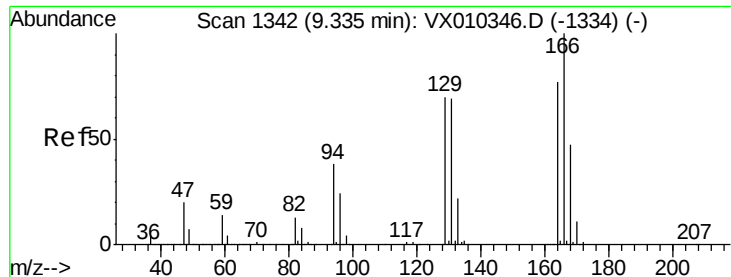
Abundance Ion 116.90 (116.60 to 117.60): VX010472.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010472.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010472.D (-1420) (-)

Time-->





#64

Tetrachloroethene

Concen: 47.844 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:164 Resp: 133116

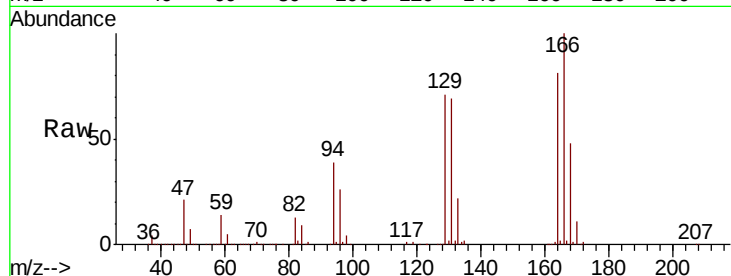
Ion Ratio Lower Upper

164 100

166 123.6 103.6 155.4

129 87.5 73.0 109.4

131 85.2 71.0 106.4

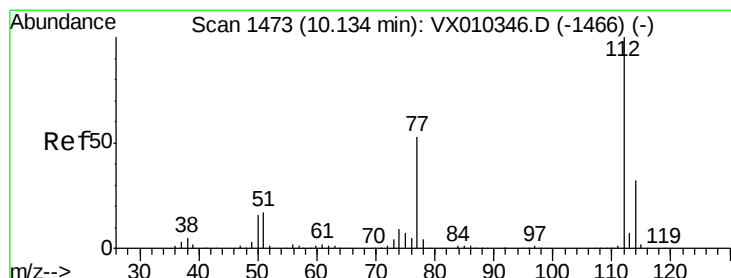
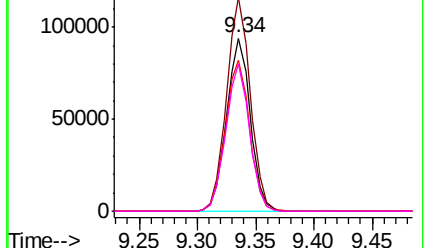
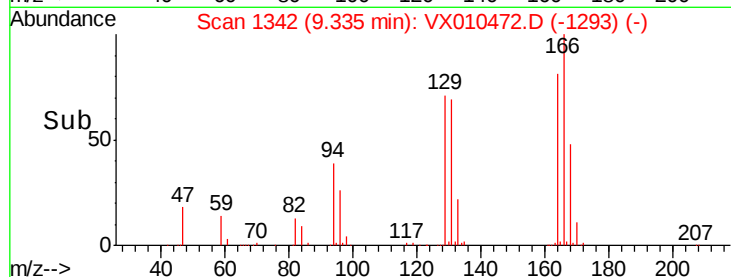


Abundance Ion 163.80 (163.50 to 164.50): V

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: 48.809 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010472.D

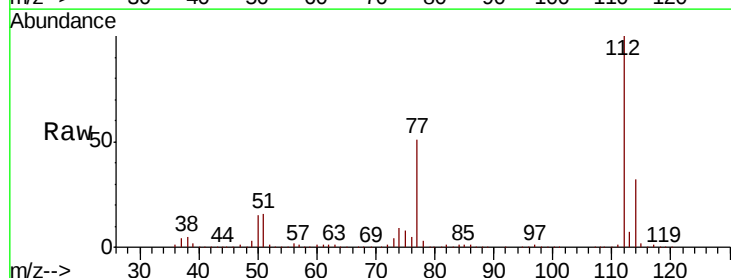
Acq: 26 Jun 2019 18:53

Tgt Ion:112 Resp: 340863

Ion Ratio Lower Upper

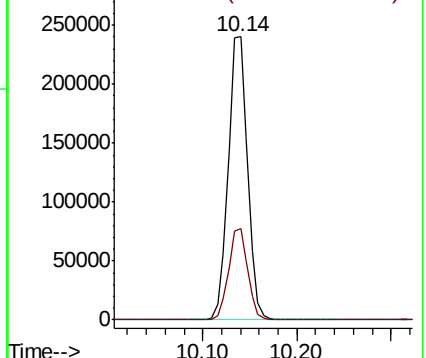
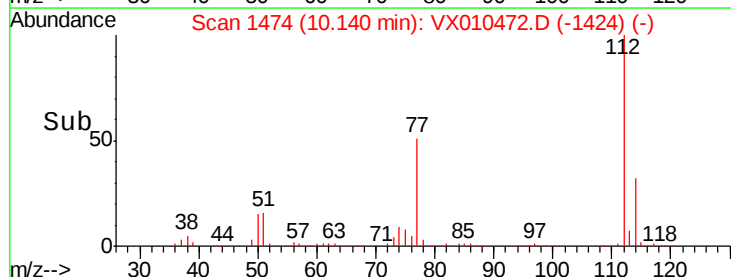
112 100

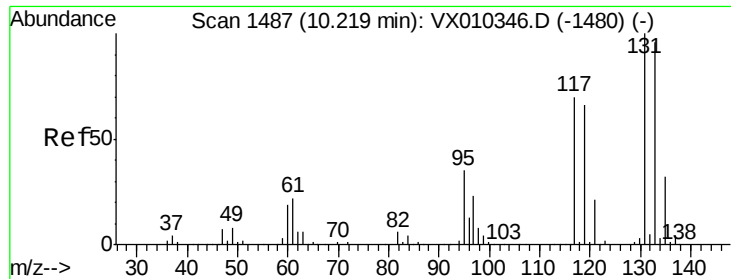
114 32.2 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

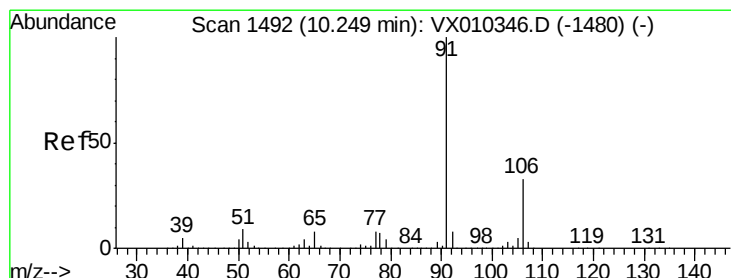
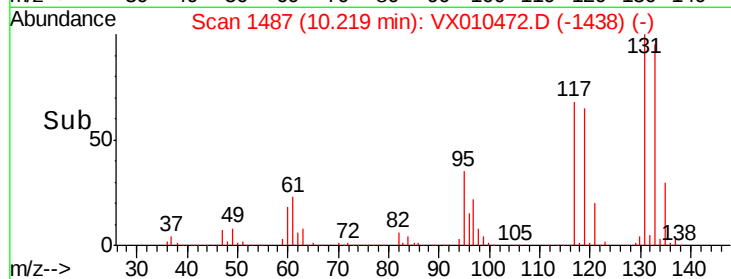
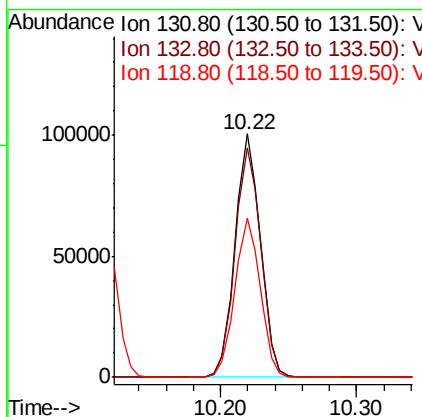
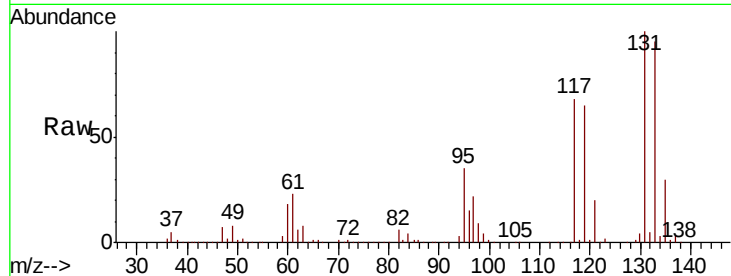




#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.293 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

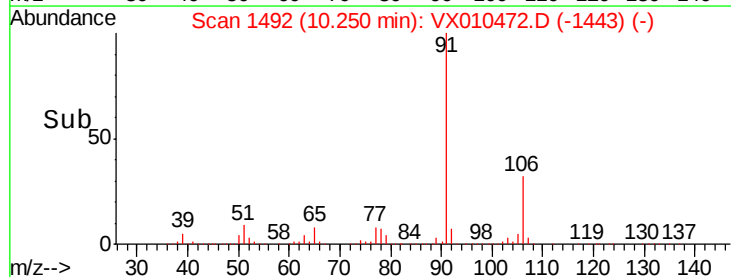
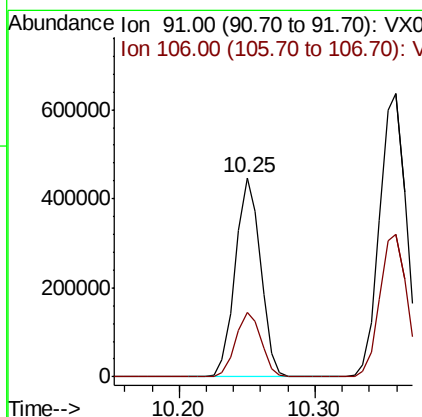
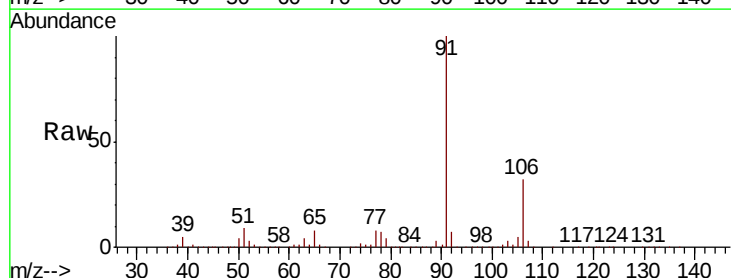
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

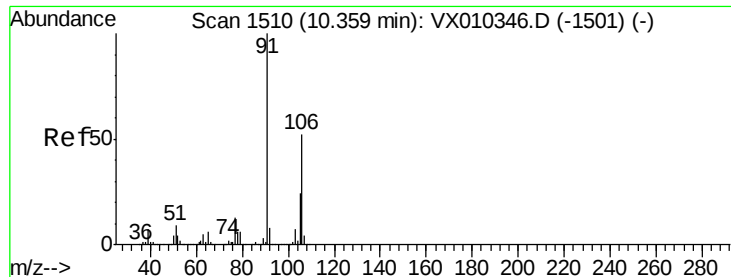
Tot Ion:131 Resp: 130480
 Ion Ratio Lower Upper
 131 100
 133 96.3 47.7 143.1
 119 65.8 32.6 97.7



#67
 Ethyl Benzene
 Concen: 49.270 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion: 91 Resp: 580896
 Ion Ratio Lower Upper
 91 100
 106 32.1 26.2 39.2





#68

m/p-Xylenes

Concen: 97.049 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

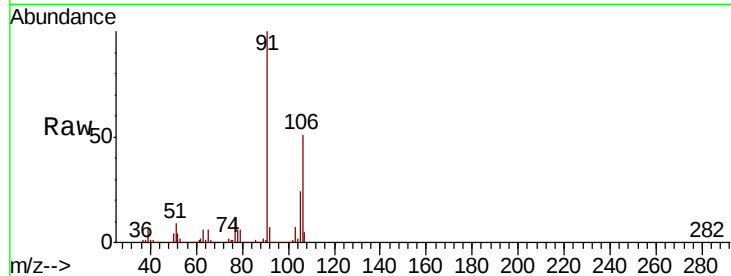
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:106 Resp: 443350

Ion Ratio Lower Upper

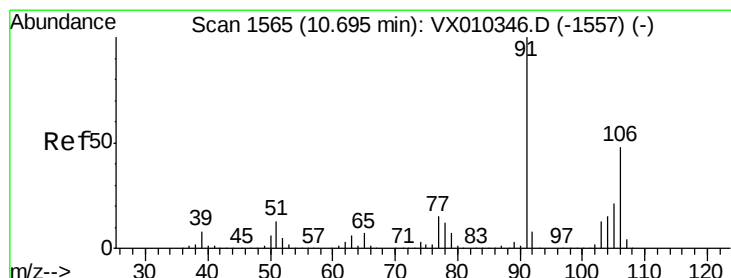
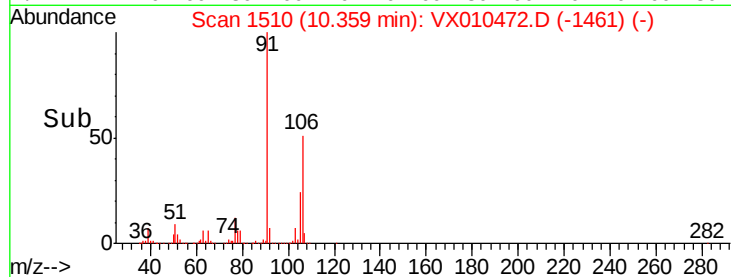
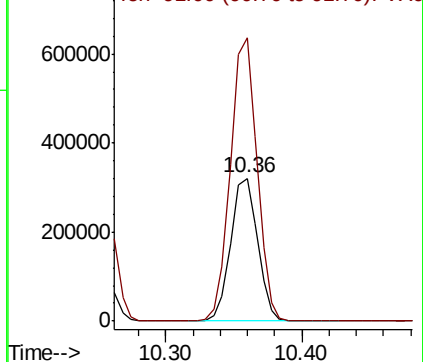
106 100

91 195.7 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 48.881 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX010472.D

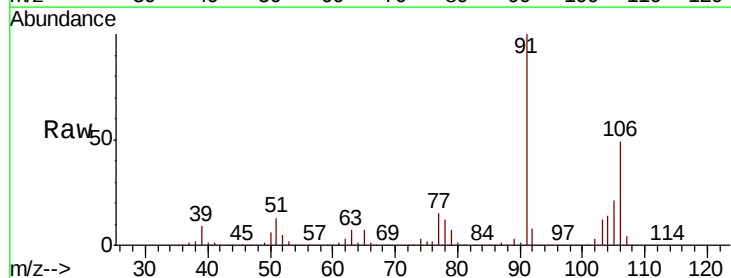
Acq: 26 Jun 2019 18:53

Tgt Ion:106 Resp: 219601

Ion Ratio Lower Upper

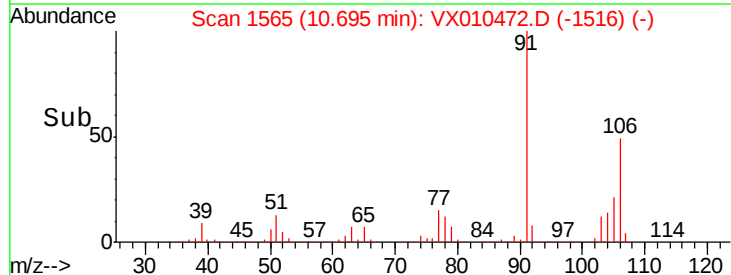
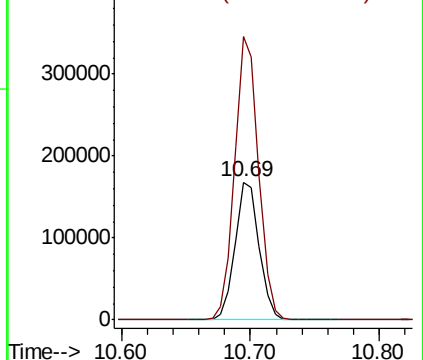
106 100

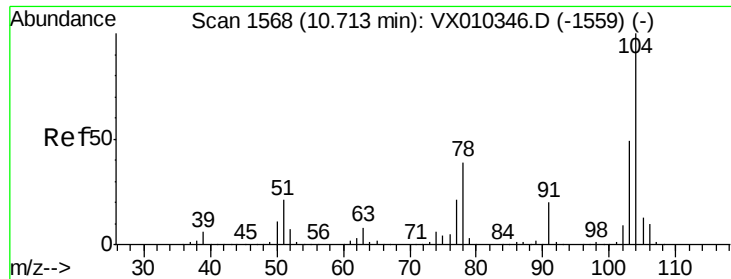
91 203.1 102.7 308.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

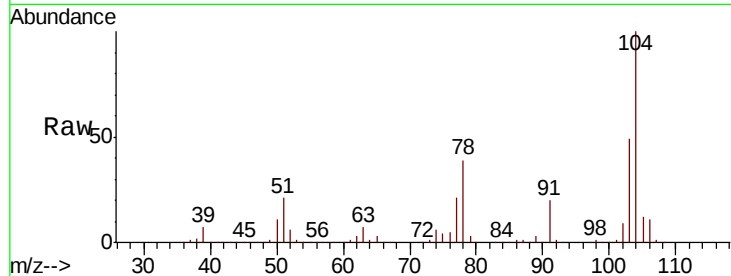




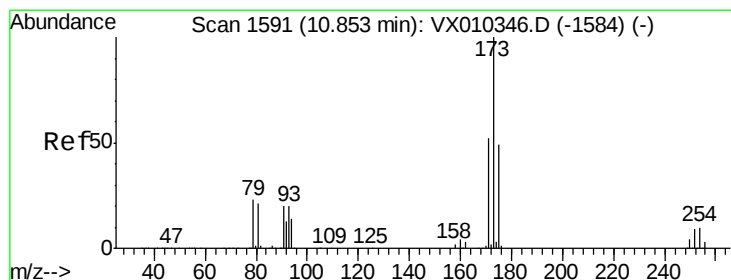
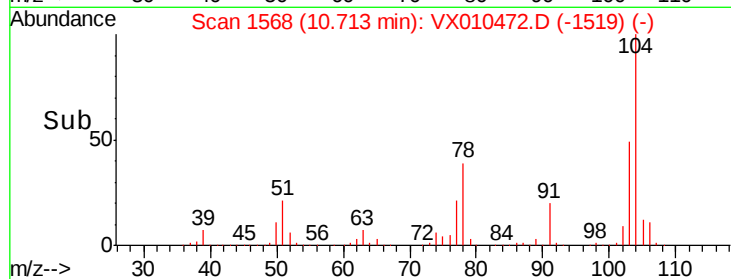
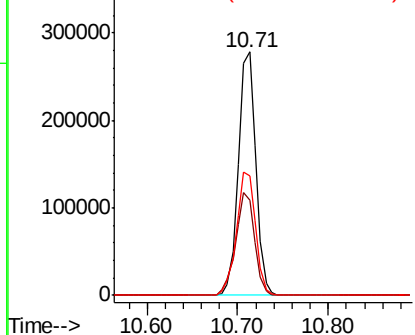
#70
Stvrene
Concen: 49.252 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:104 Resp: 371071
Ion Ratio Lower Upper
104 100
78 45.6 36.2 54.2
103 55.4 44.2 66.4

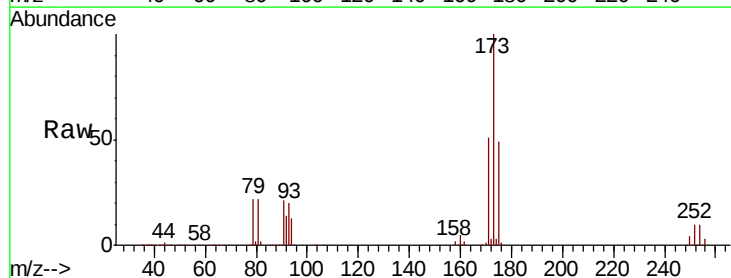


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

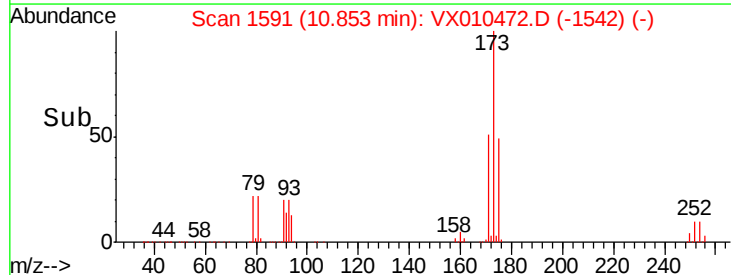
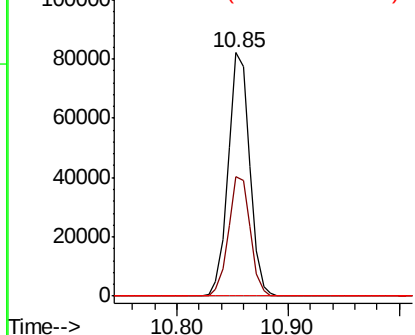


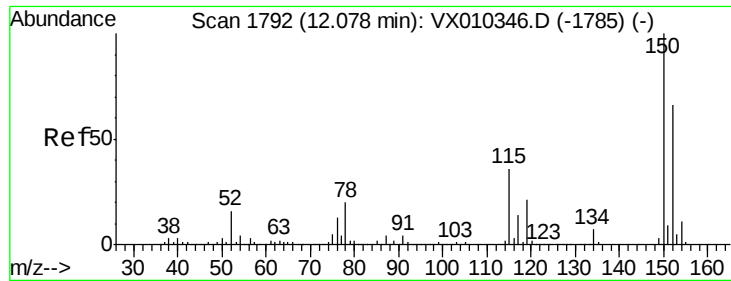
#71
Bromoform
Concen: 49.428 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion:173 Resp: 109343
Ion Ratio Lower Upper
173 100
175 49.8 24.1 72.3
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



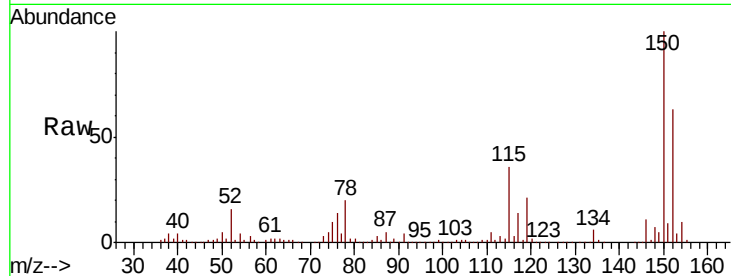


#72

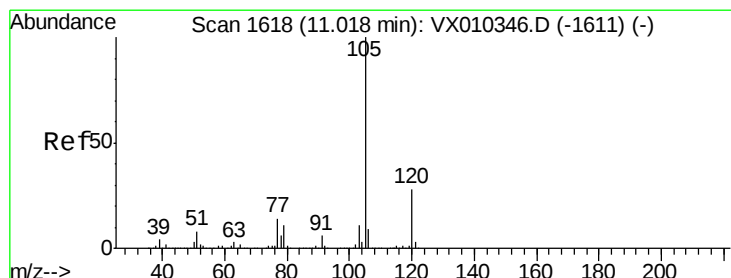
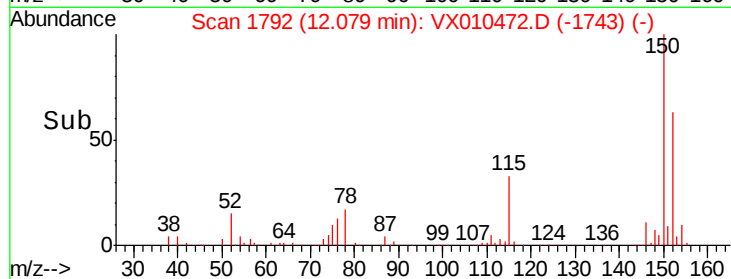
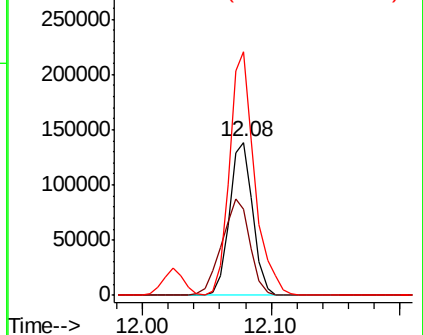
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:152 Resp: 175169
Ion Ratio Lower Upper
152 100
115 76.5 38.6 115.7
150 170.5 0.0 347.4



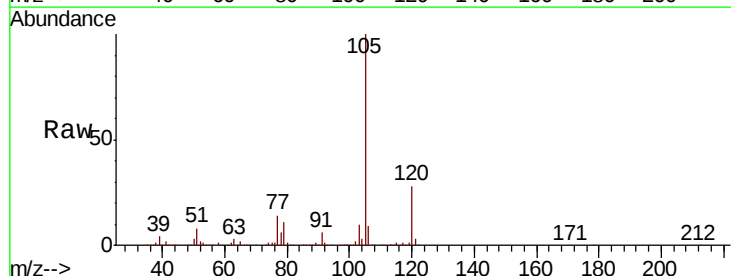
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



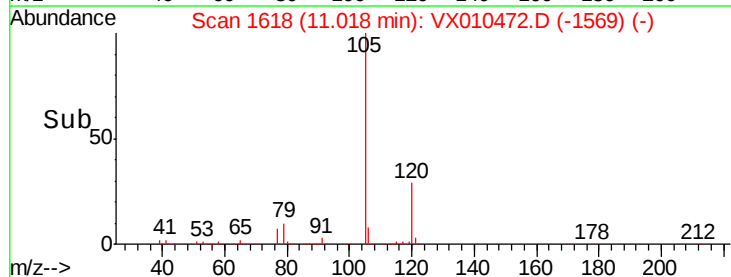
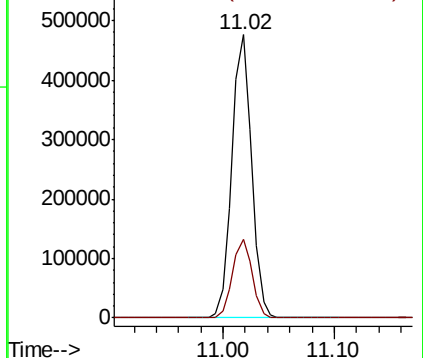
#73

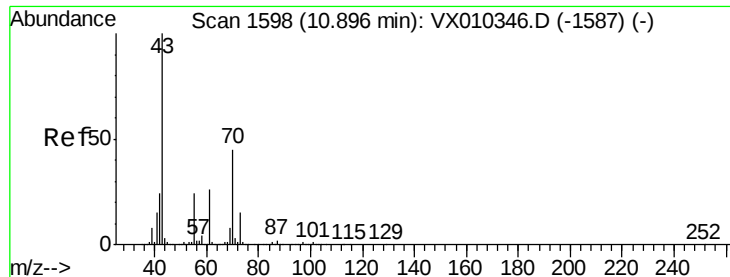
Isopropylbenzene
Concen: 49.049 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion:105 Resp: 582417
Ion Ratio Lower Upper
105 100
120 27.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

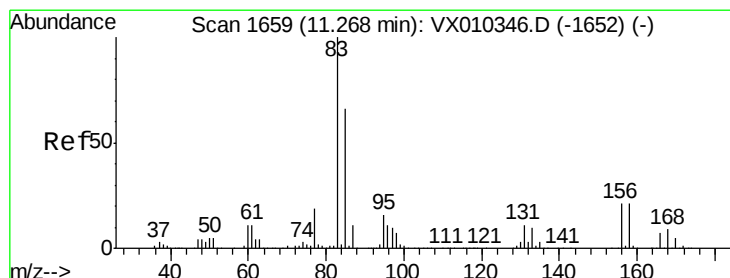
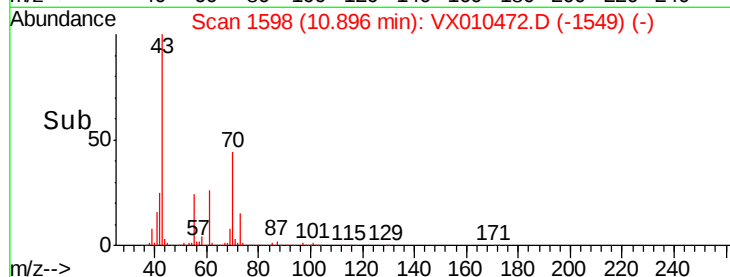
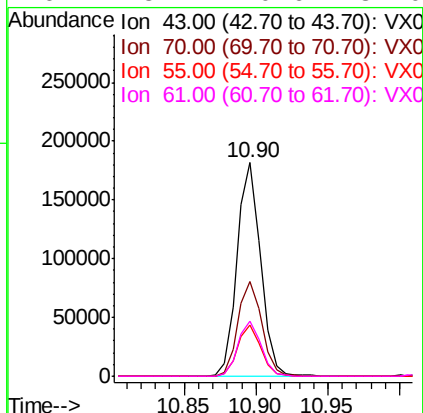
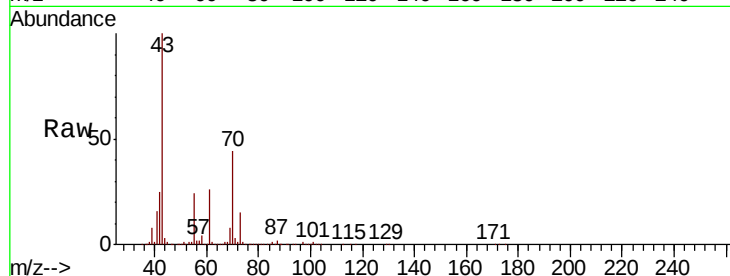




#74
N-amvl acetate
Concen: 46.199 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

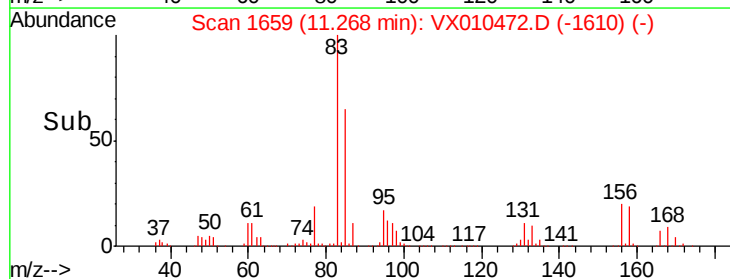
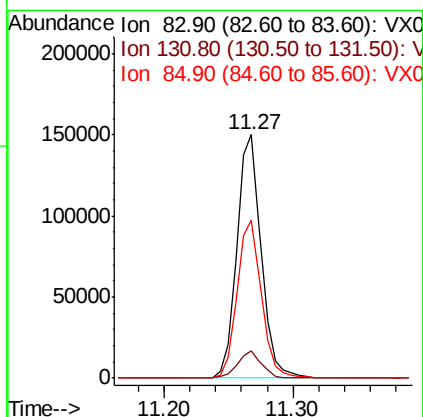
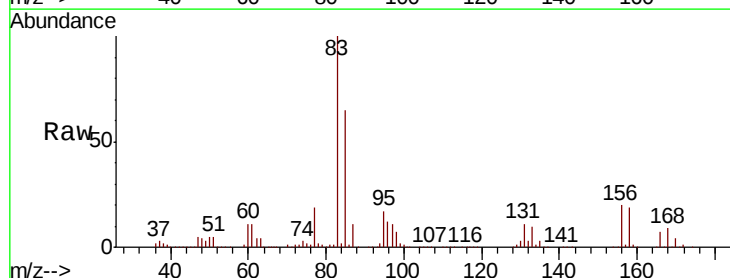
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

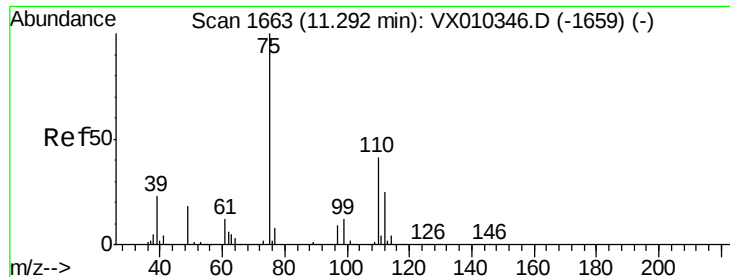
Tot Ion:	43	Resp:	207322
Ion	Ratio	Lower	Upper
43	100		
70	45.5	36.6	54.8
55	24.3	18.7	28.1
61	25.7	20.6	31.0



#75
1,1,2,2-Tetrachloroethane
Concen: 49.864 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion:	83	Resp:	196089
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.9	32.3	96.8





#76

1,2,3-Trichloropropane

Concen: 67.128 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

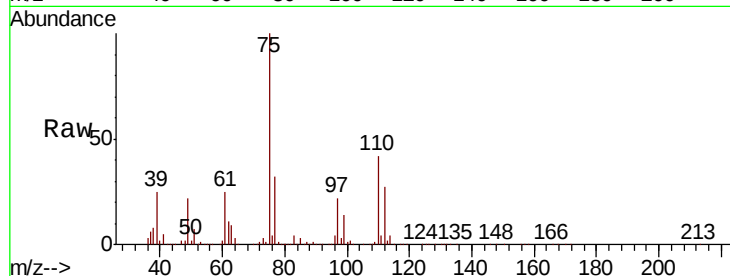
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 75 Resp: 214276

Ion Ratio Lower Upper

75 100

77 32.4 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

150000

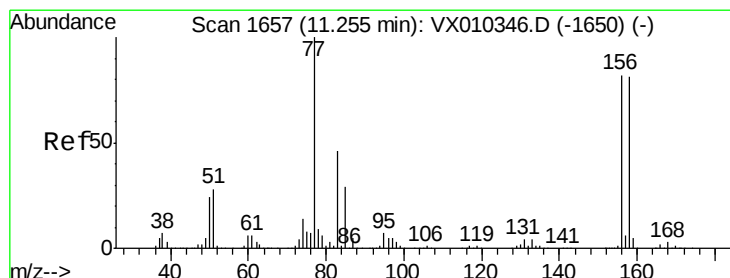
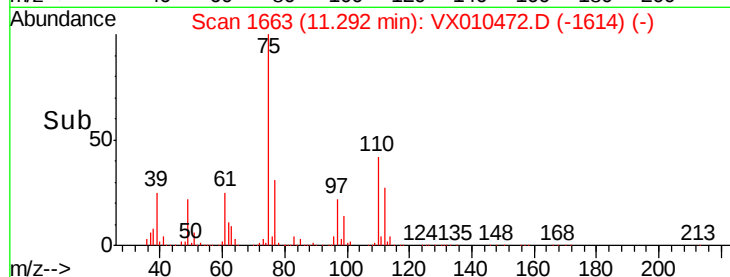
100000

50000

0

11.25 11.30 11.35

Time-->



#77

Bromobenzene

Concen: 48.242 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

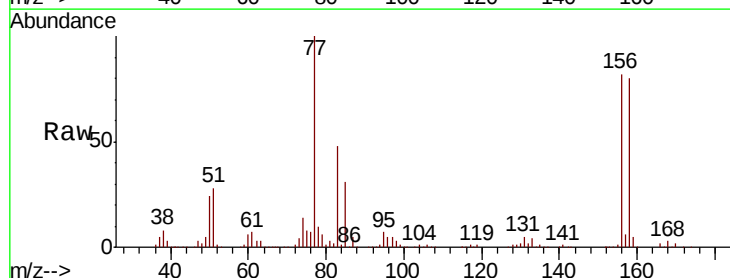
Tgt Ion: 156 Resp: 159953

Ion Ratio Lower Upper

156 100

77 131.4 66.3 198.7

158 98.3 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

200000

150000

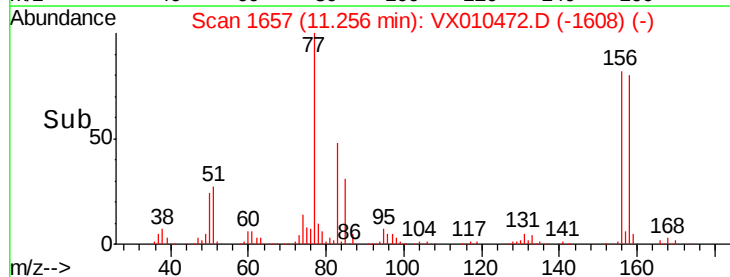
100000

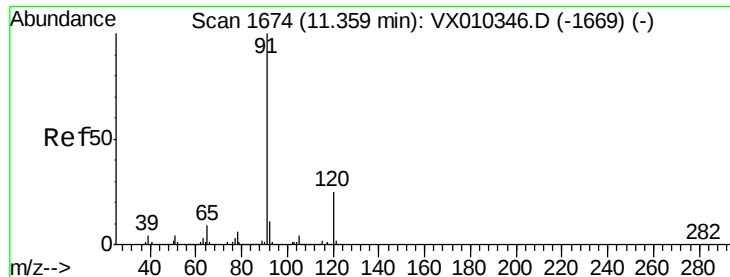
50000

0

11.20 11.30

Time-->





#78

n-propylbenzene

Concen: 49.251 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

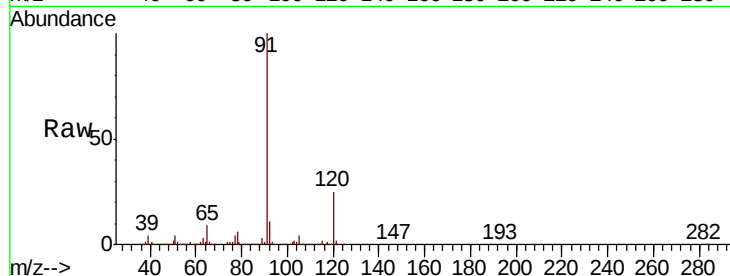
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 91 Resp: 642739

Ion Ratio Lower Upper

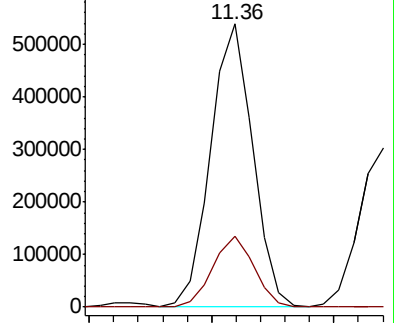
91 100

120 24.7 12.4 37.4

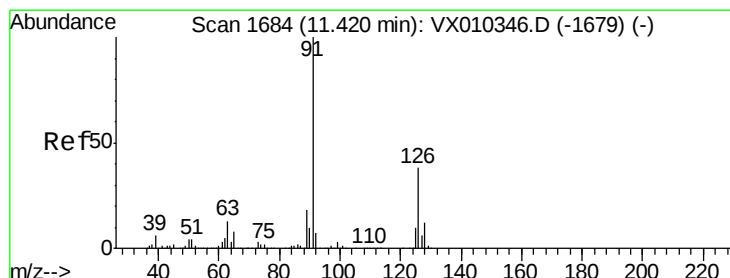
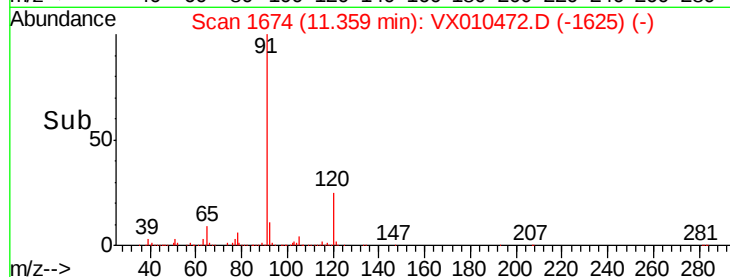


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 48.133 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010472.D

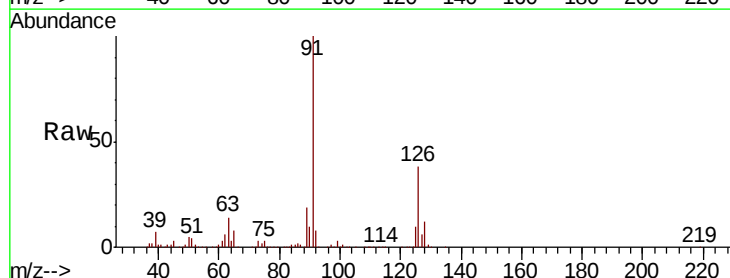
Acq: 26 Jun 2019 18:53

Tgt Ion: 91 Resp: 374053

Ion Ratio Lower Upper

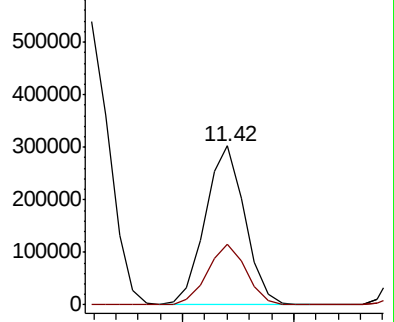
91 100

126 37.5 18.7 56.1

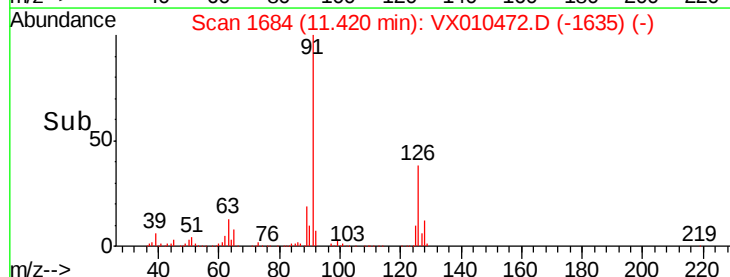


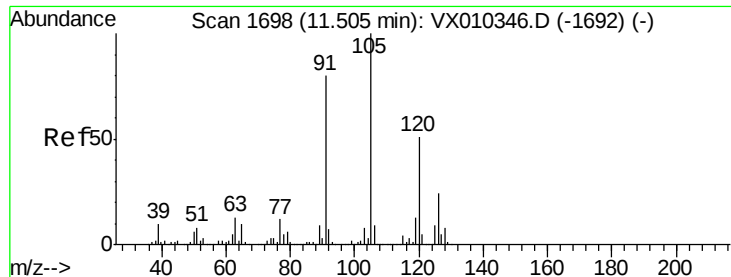
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time--> 11.40 11.45

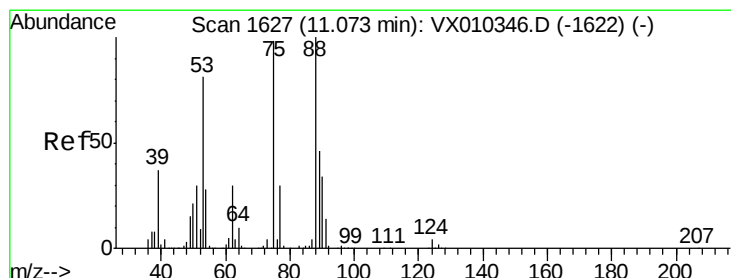
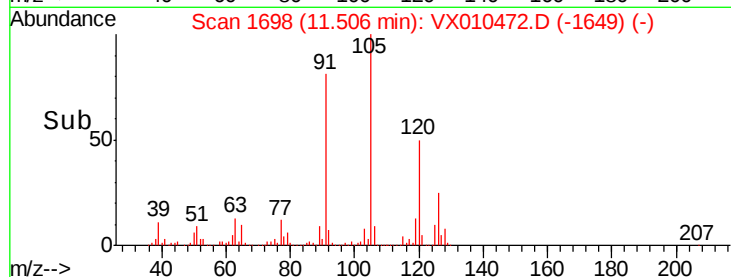
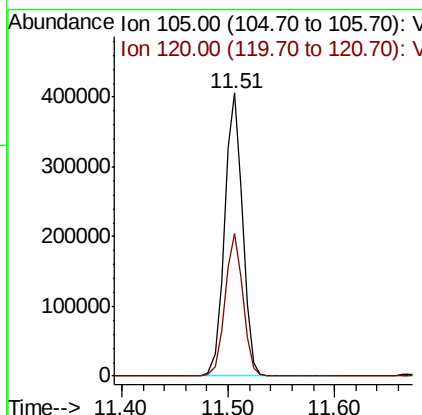
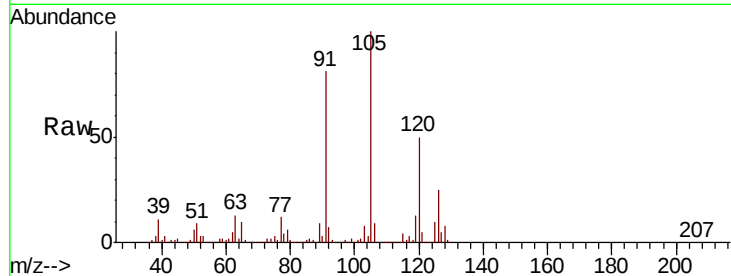




#80
 1,3,5-Trimethylbenzene
 Concen: 48.655 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

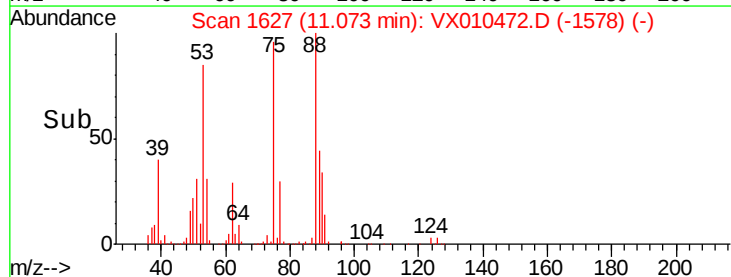
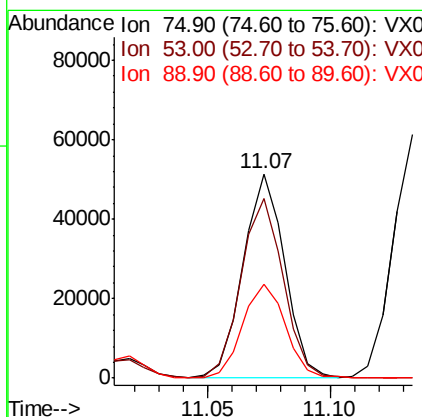
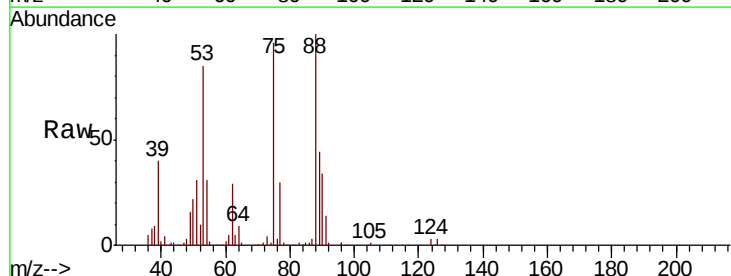
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

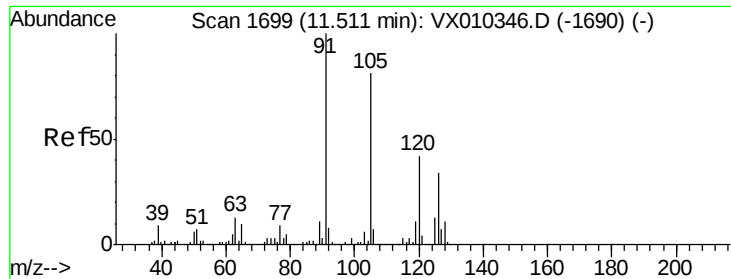
Tot Ion:105 Resp: 476281
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.335 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion: 75 Resp: 60662
 Ion Ratio Lower Upper
 75 100
 53 90.2 66.1 99.1
 89 47.9 37.8 56.6





#82

4-Chlorotoluene

Concen: 48.938 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

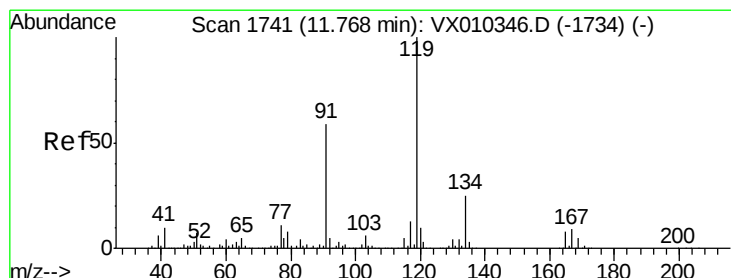
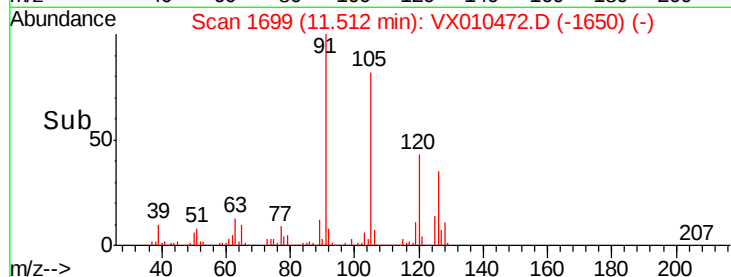
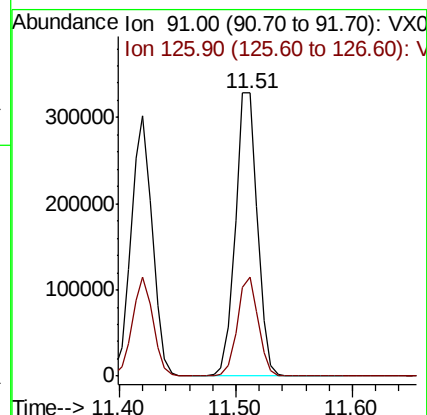
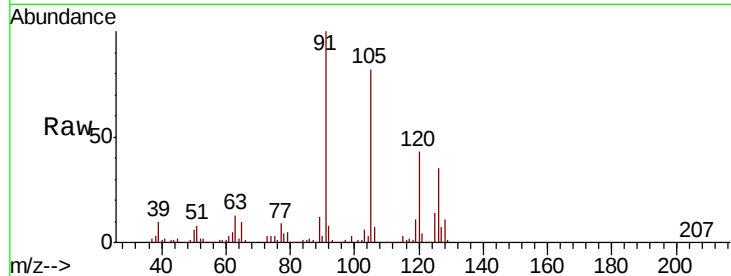
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 91 Resp: 432751

Ion Ratio Lower Upper

91 100

126 33.2 16.2 48.6



#83

tert-Butylbenzene

Concen: 49.275 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

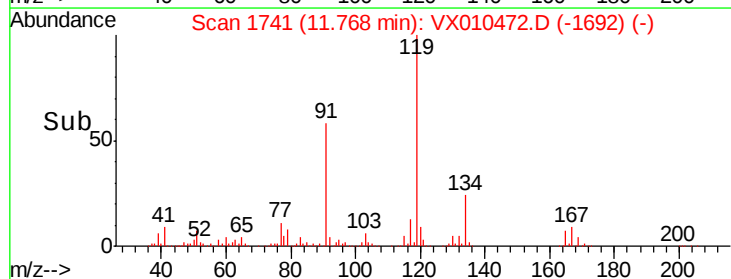
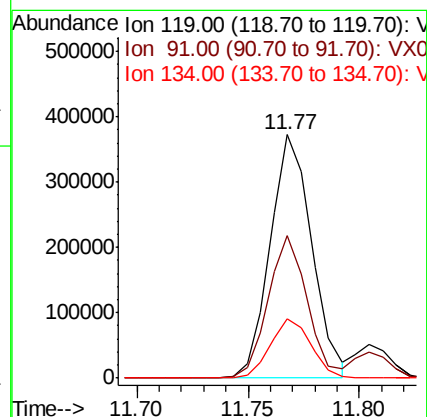
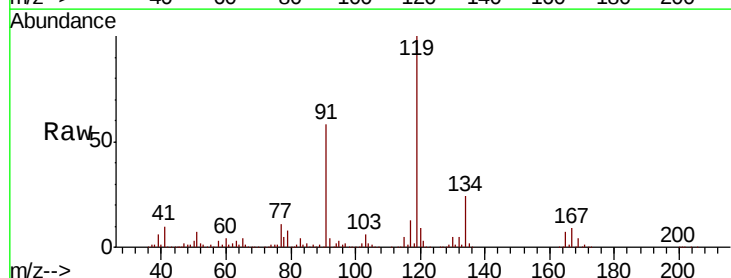
Tgt Ion: 119 Resp: 484127

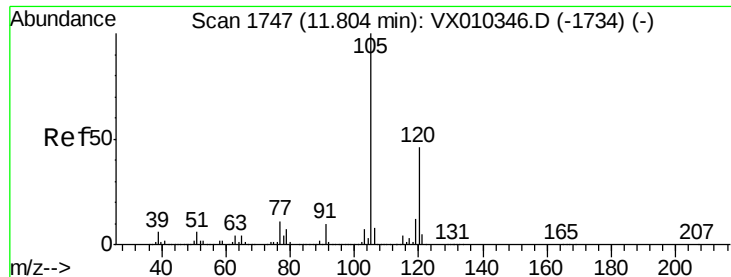
Ion Ratio Lower Upper

119 100

91 54.9 27.6 82.7

134 23.7 11.8 35.4

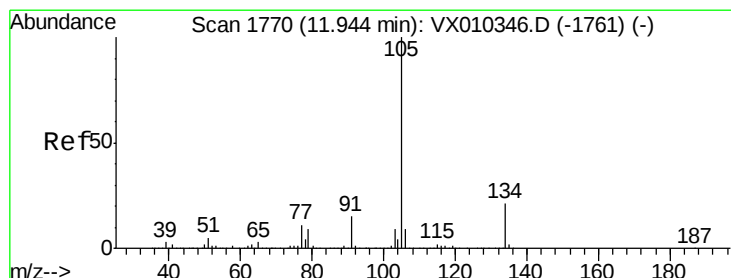
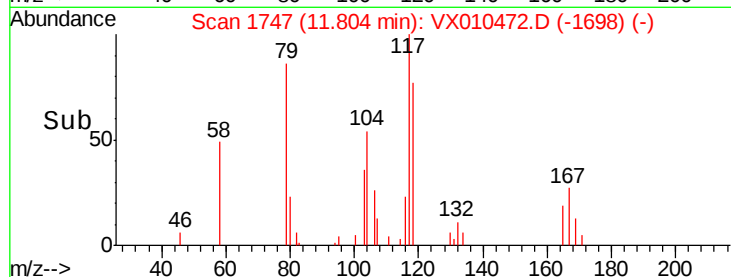
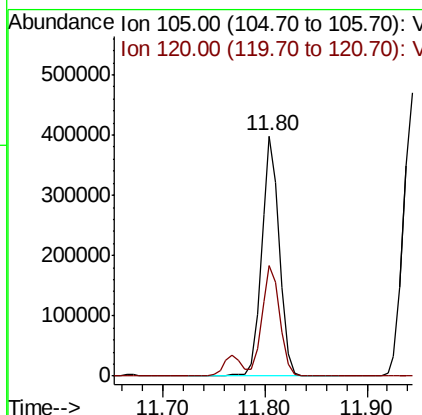
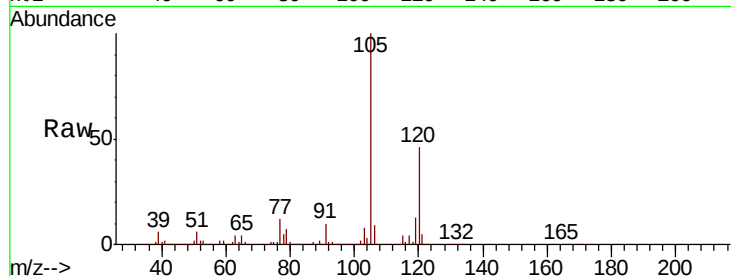




#84
 1,2,4-Trimethylbenzene
 Concen: 48.888 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

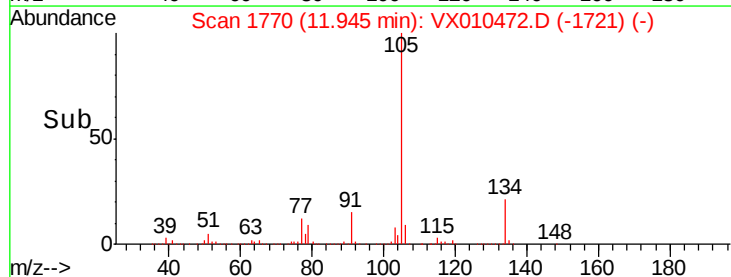
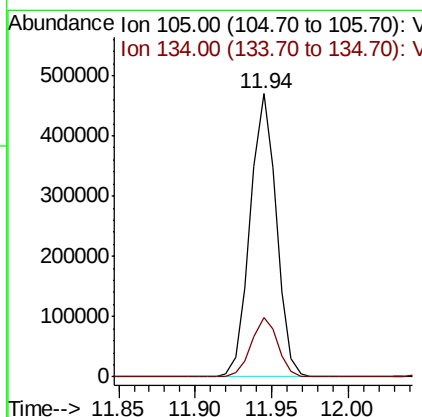
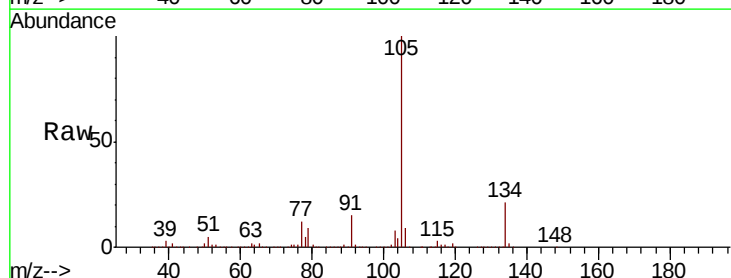
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

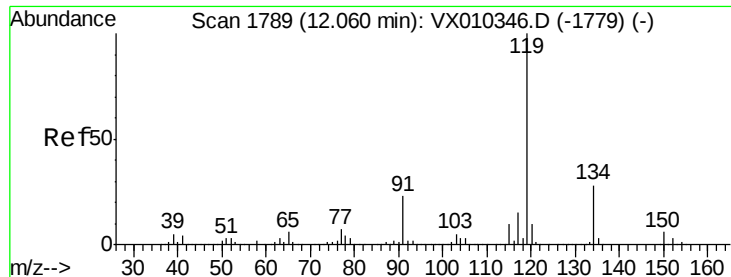
Tot Ion:105 Resp: 480804
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 48.483 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion:105 Resp: 559300
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.7 31.9





#86

p-Isopropyltoluene

Concen: 48.537 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

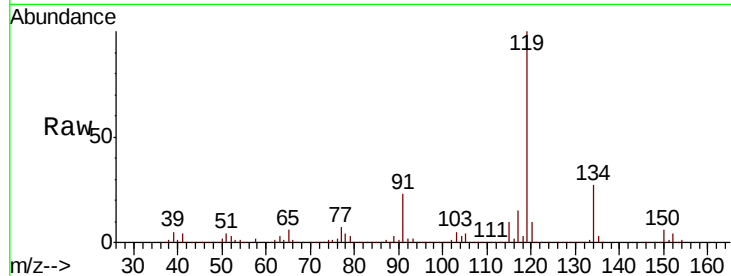
Tot Ion:119 Resp: 517905

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.1

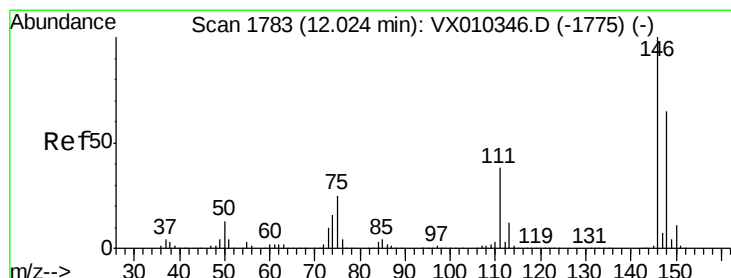
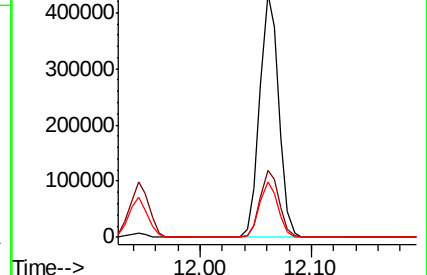
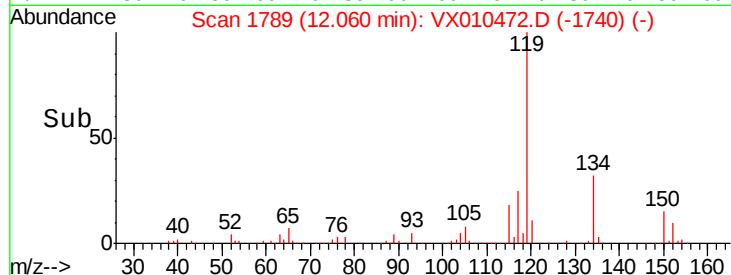
91 22.4 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0



#87

1,3-Dichlorobenzene

Concen: 47.724 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

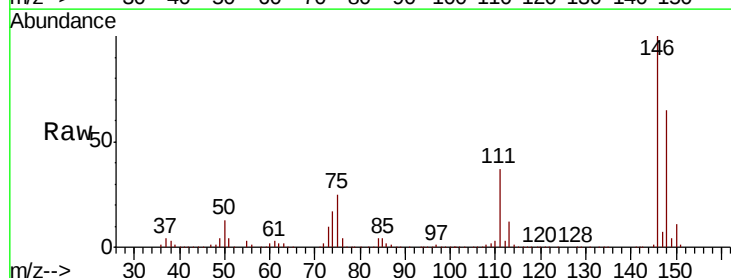
Tgt Ion:146 Resp: 276211

Ion Ratio Lower Upper

146 100

111 36.9 19.1 57.1

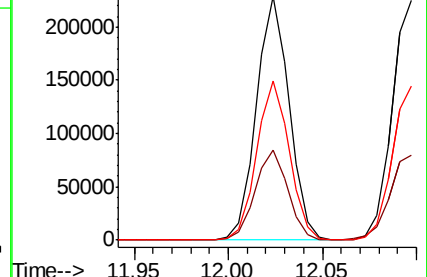
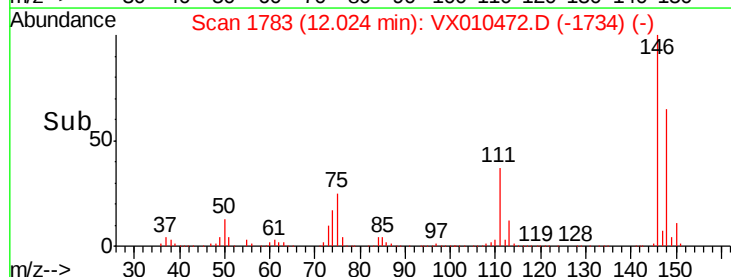
148 64.7 32.5 97.4

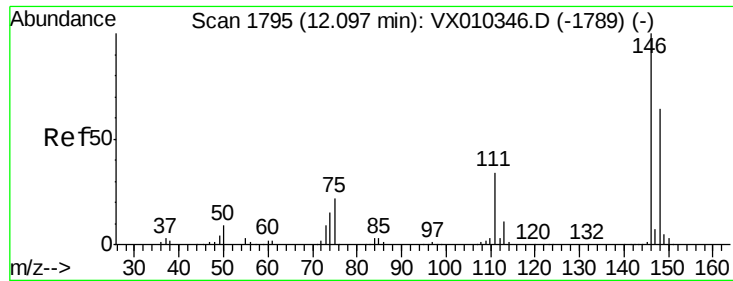


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

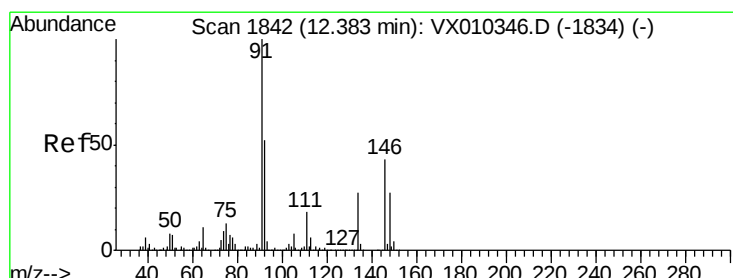
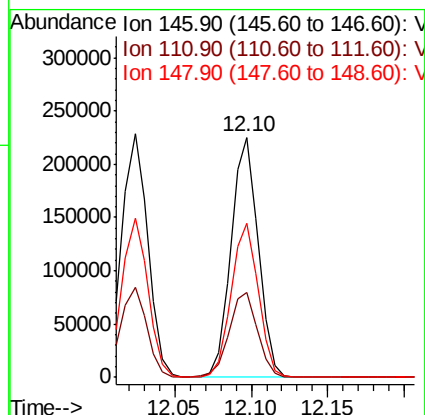
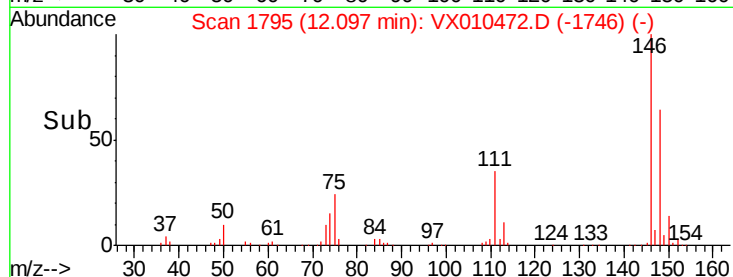
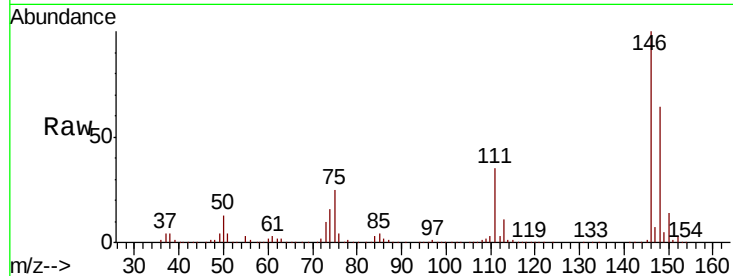




#88
 1,4-Dichlorobenzene
 Concen: 46.765 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

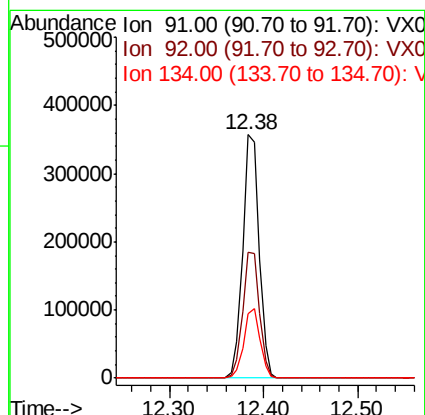
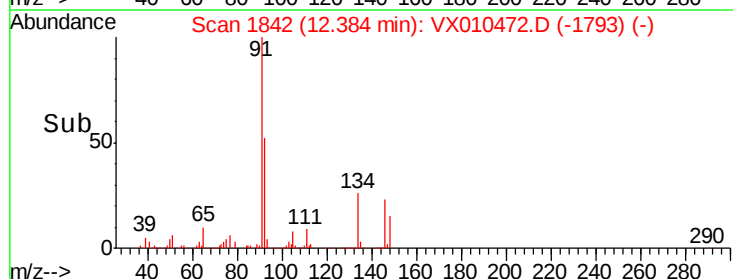
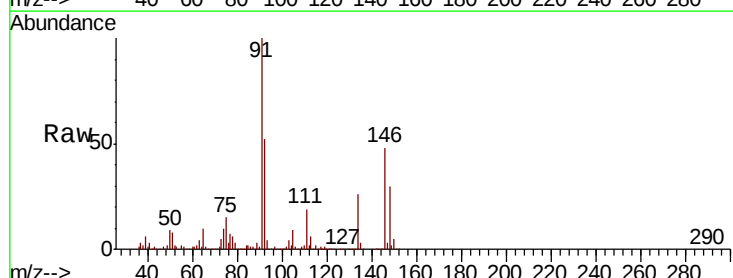
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

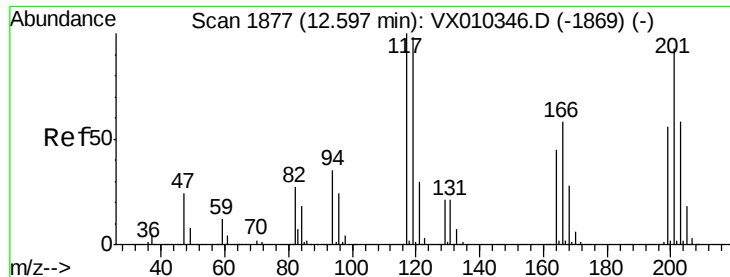
Tot Ion:146 Resp: 275546
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.3
 148 64.3 32.1 96.3



#89
 n-Butylbenzene
 Concen: 47.630 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion: 91 Resp: 431868
 Ion Ratio Lower Upper
 91 100
 92 52.7 26.2 78.5
 134 28.3 14.1 42.4

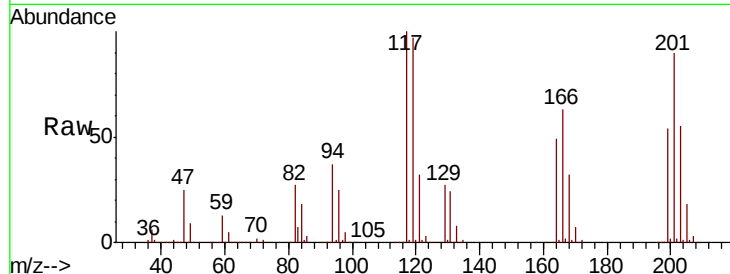




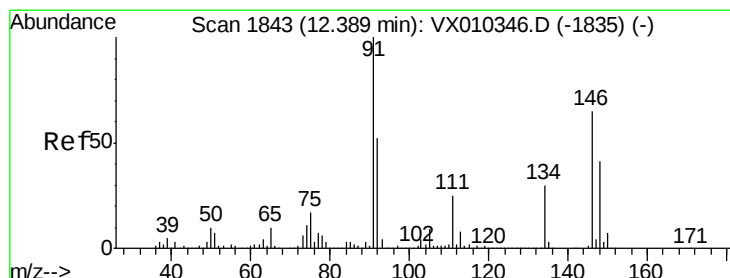
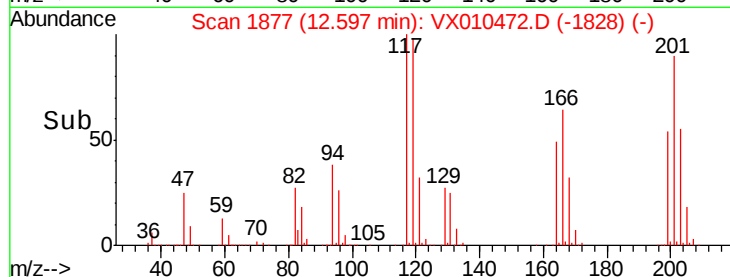
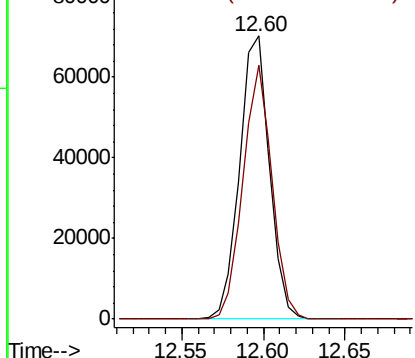
#90
Hexachloroethane
Concen: 48.683 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:117 Resp: 89822
Ion Ratio Lower Upper
117 100
201 86.8 44.0 131.8

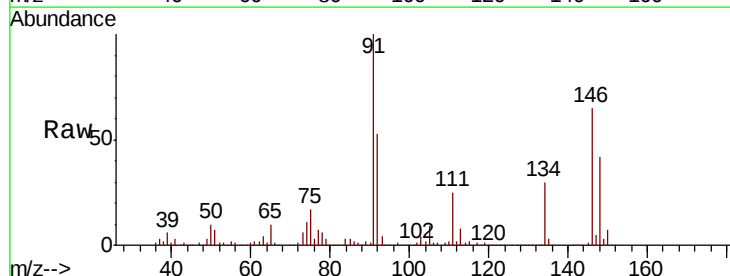


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

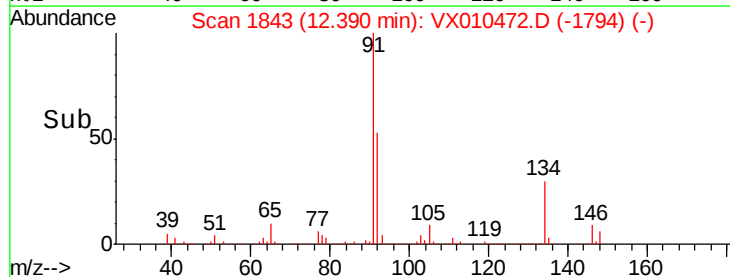
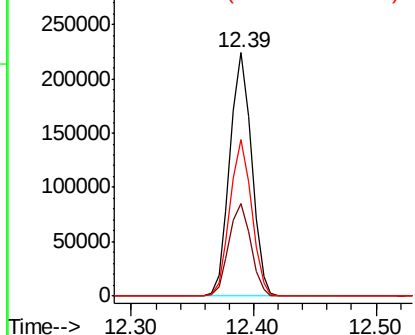


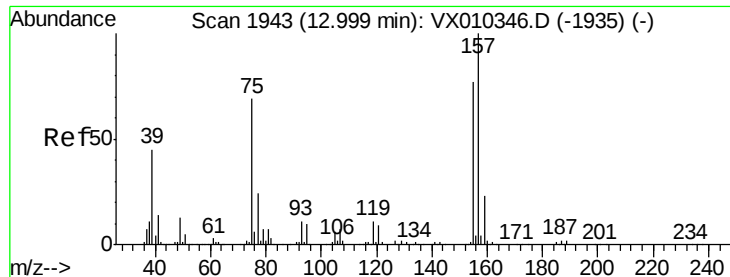
#91
1,2-Dichlorobenzene
Concen: 47.983 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion:146 Resp: 276011
Ion Ratio Lower Upper
146 100
111 38.3 19.2 57.6
148 63.8 32.0 96.0



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





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.870 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

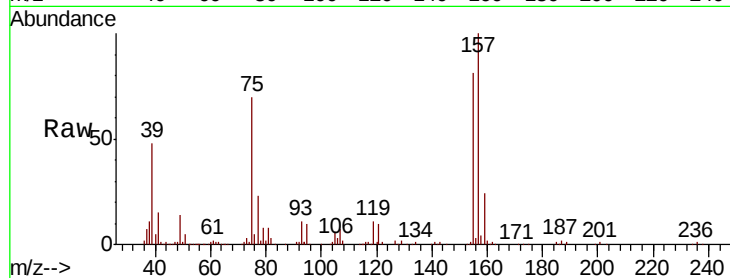
Tot Ion: 75 Resp: 39739

Ion Ratio Lower Upper

75 100

155 108.4 54.4 163.1

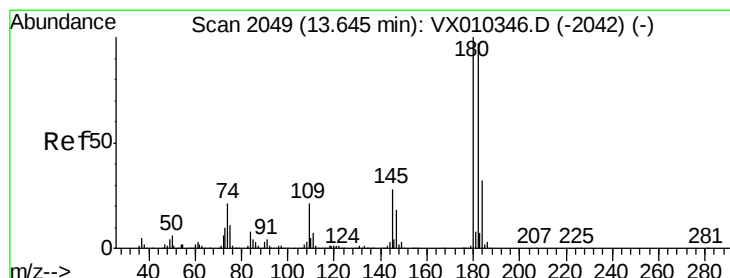
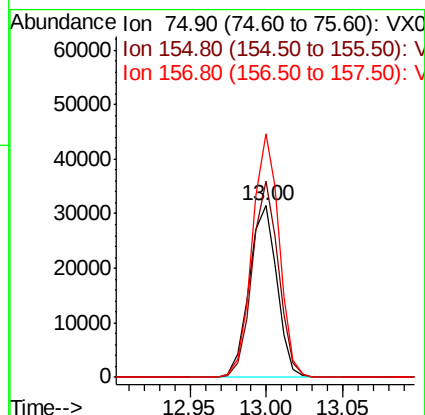
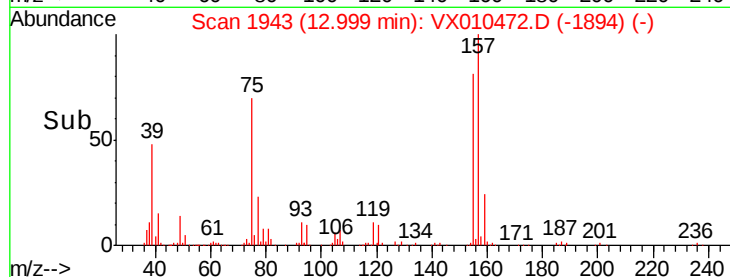
157 137.1 69.5 208.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 47.121 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

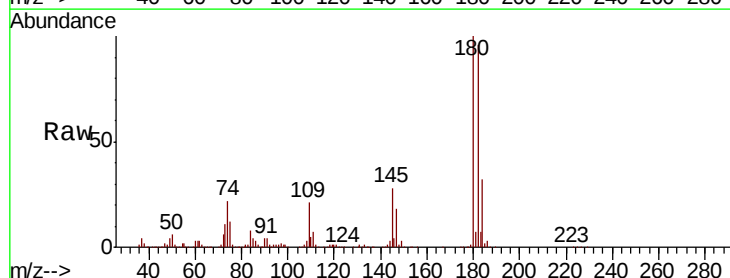
Tgt Ion:180 Resp: 187968

Ion Ratio Lower Upper

180 100

182 95.7 48.0 144.0

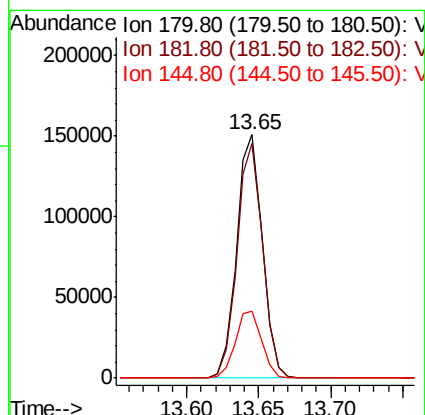
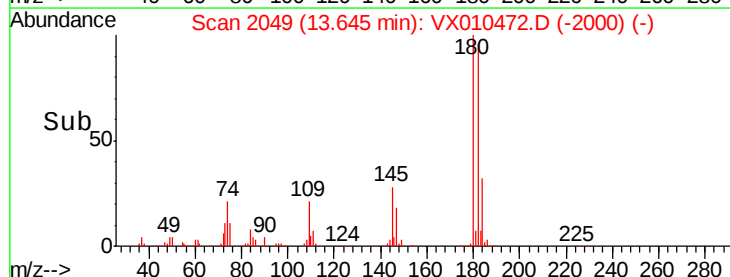
145 28.3 14.4 43.4

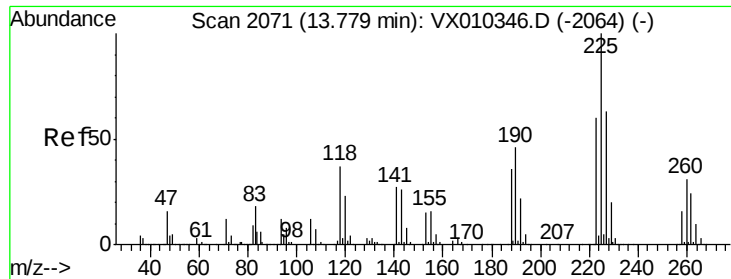


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 44.046 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

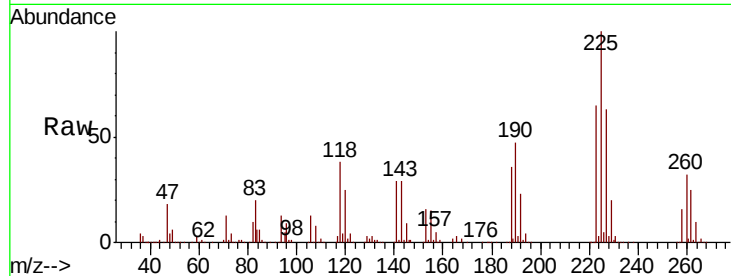
Tot Ion:225 Resp: 85871

Ion Ratio Lower Upper

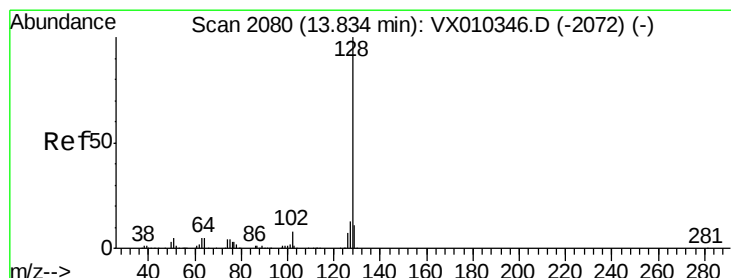
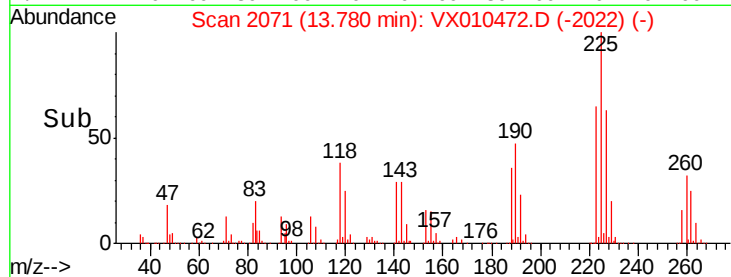
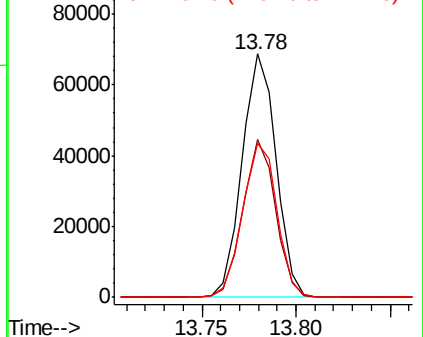
225 100

223 62.6 30.9 92.7

227 64.0 31.9 95.5



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: 48.559 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

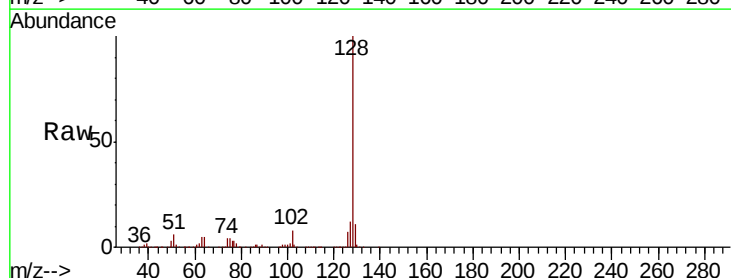
Tgt Ion:128 Resp: 595266

Ion Ratio Lower Upper

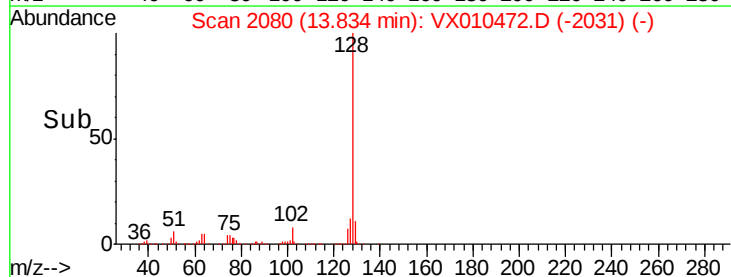
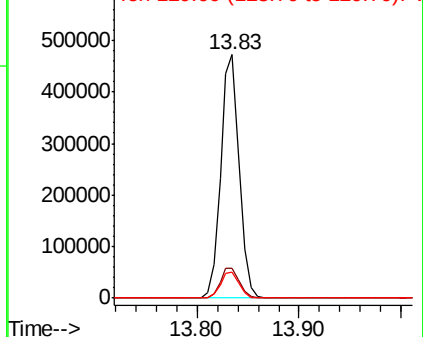
128 100

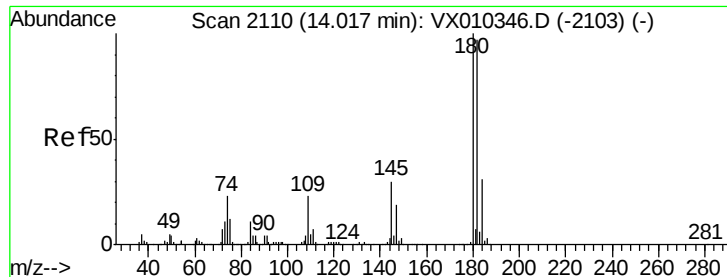
127 12.9 10.2 15.4

129 11.0 8.9 13.3



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: 47.708 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	30.0	15.2	45.6

