

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001019.D
 Acq On : 23 Dec 2019 11:06
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Quant Time: Dec 23 11:30:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 11:25:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	339710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	590921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	529380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	244538	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	161732	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	7.72	113	163992	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	10.18	98	687071	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.48	95	228048	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	138755	43.841	ug/l	100
3) Chloromethane	2.11	50	184953	44.503	ug/l	100
4) Vinyl Chloride	2.25	62	180492	44.553	ug/l	100
5) Bromomethane	2.65	94	114366	46.464	ug/l	100
6) Chloroethane	2.79	64	115056	45.951	ug/l	100
7) Trichlorofluoromethane	3.13	101	261923	44.757	ug/l	100
8) Diethyl Ether	3.53	74	108458	46.675	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	174643	46.079	ug/l	100
10) Methyl Iodide	4.09	142	249953	49.164	ug/l	100
11) Tert butyl alcohol	4.96	59	83296	226.017	ug/l	100
12) 1,1-Dichloroethene	3.88	96	176791	46.440	ug/l	100
13) Acrolein	3.73	56	117986	285.612	ug/l	100
14) Allyl chloride	4.48	41	276352	45.194	ug/l	100
15) Acrylonitrile	5.18	53	277761	237.076	ug/l	100
16) Acetone	3.95	43	168309	215.234	ug/l	100
17) Carbon Disulfide	4.19	76	587429	47.400	ug/l	100
18) Methyl Acetate	4.48	43	131317	42.511	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	466260	46.969	ug/l	100
20) Methylene Chloride	4.72	84	199399	44.143	ug/l	100
21) trans-1,2-Dichloroethene	5.22	96	198885	47.038	ug/l	100
22) Diisopropyl ether	6.13	45	562870	45.417	ug/l	100
23) Vinyl Acetate	6.07	43	1800799	231.768	ug/l	100
24) 1,1-Dichloroethane	6.03	63	330884	46.058	ug/l	100
25) 2-Butanone	7.00	43	312734	222.239	ug/l	100
26) 2,2-Dichloropropane	6.99	77	269130	45.220	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	218824	47.076	ug/l	100
28) Bromochloromethane	7.34	49	140683	50.735	ug/l	100
29) Tetrahydrofuran	7.35	42	220975	223.948	ug/l	100
30) Chloroform	7.52	83	312147	45.851	ug/l	100
31) Cyclohexane	7.79	56	329628	43.418	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	264423	45.490	ug/l	100
36) 1,1-Dichloropropene	7.92	75	261853	45.644	ug/l	100
37) Ethyl Acetate	7.08	43	144143	44.843	ug/l	100
38) Carbon Tetrachloride	7.91	117	231826	46.058	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	351140	46.141	ug/l	100
40) Benzene	8.17	78	793457	46.317	ug/l	100
41) Methacrylonitrile	7.35	41	191889	64.431	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	194375	46.457	ug/l	100
43) Isopropyl Acetate	8.28	43	271908	45.820	ug/l	100
44) Trichloroethene	8.94	130	209067	46.651	ug/l	100
45) 1,2-Dichloropropane	9.22	63	200383	46.599	ug/l	100
46) Dibromomethane	9.31	93	105810	47.774	ug/l	100
47) Bromodichloromethane	9.50	83	244696	47.280	ug/l	100
48) Methyl methacrylate	9.30	41	119020	46.683	ug/l	100
49) 1,4-Dioxane	9.30	88	30801	964.879	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	708224	227.603	ug/l	100
52) Toluene	10.24	92	494870	46.677	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	266261	47.464	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	314633	46.750	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	154538	46.694	ug/l	100
56) Ethyl methacrylate	10.51	69	227024	47.884	ug/l	100
57) 1,3-Dichloropropane	10.79	76	271474	46.890	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	380681	206.941	ug/l	100
59) 2-Hexanone	10.83	43	492295	225.019	ug/l	100
60) Dibromochloromethane	10.99	129	169556	47.899	ug/l	100
61) 1,2-Dibromoethane	11.09	107	150874	48.148	ug/l	100
64) Tetrachloroethene	10.72	164	210854	45.878	ug/l	100
65) Chlorobenzene	11.51	112	507535	45.809	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	173616	47.400	ug/l	100
67) Ethyl Benzene	11.59	91	931567	46.300	ug/l	100
68) m/p-Xylenes	11.70	106	702969	92.568	ug/l	100
69) o-Xylene	12.03	106	332626	46.452	ug/l	100
70) Styrene	12.04	104	573836	47.155	ug/l	100
71) Bromoform	12.20	173	99092	48.579	ug/l #	100
73) Isopropylbenzene	12.33	105	882817	45.590	ug/l	100
74) N-amyl acetate	12.14	43	237545	46.218	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	174712	46.126	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	241326	58.117	ug/l #	100
77) Bromobenzene	12.61	156	196693	45.727	ug/l	100
78) n-propylbenzene	12.67	91	1064600	45.221	ug/l	100
79) 2-Chlorotoluene	12.75	91	587882	45.119	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	727137	45.900	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67998	47.546	ug/l	100
82) 4-Chlorotoluene	12.85	91	614752	45.618	ug/l	100
83) tert-Butylbenzene	13.07	119	600215	44.820	ug/l	100
84) 1,2,4-Trimethylbenzene	13.11	105	728638	45.851	ug/l	100
85) sec-Butylbenzene	13.25	105	888870	45.357	ug/l	100
86) p-Isopropyltoluene	13.36	119	780881	45.973	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	380500	46.034	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	382391	45.990	ug/l	100
89) n-Butylbenzene	13.69	91	783997	45.708	ug/l	100
90) Hexachloroethane	13.95	117	150448	47.269	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	352623	46.400	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	29219	46.028	ug/l	100

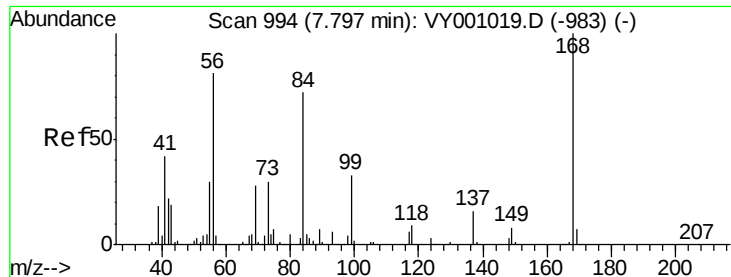
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	237448	46.363	ug/l	100
94) Hexachlorobutadiene	15.11	225	113592	46.529	ug/l	100
95) Naphthalene	15.23	128	561891	46.891	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	212668	46.712	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

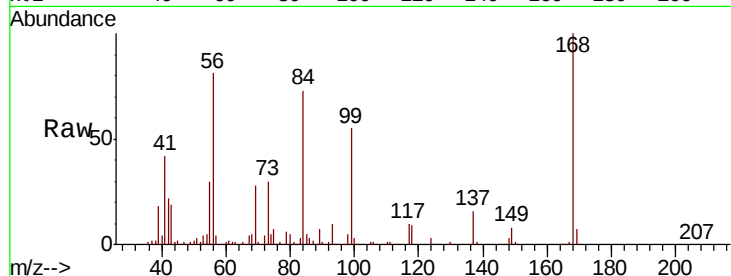
VSTDICCC050

Tot Ion:168 Resp: 339710

Ion Ratio Lower Upper

168 100

99 55.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

150000

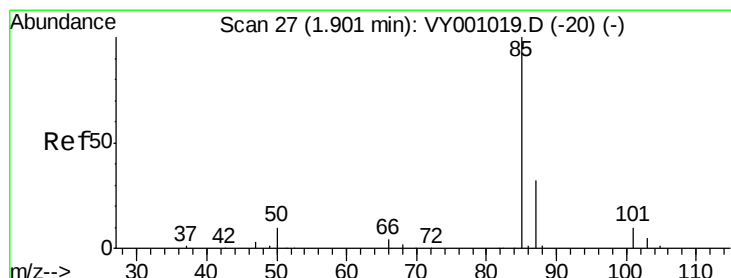
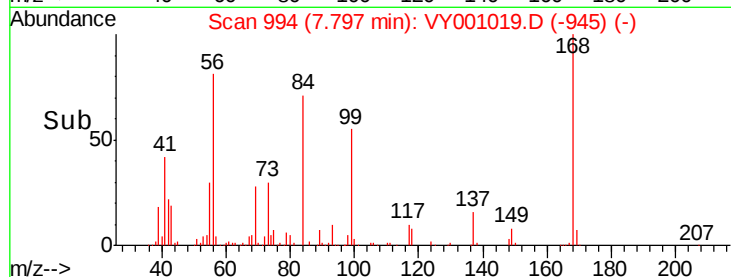
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 43.841 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001019.D

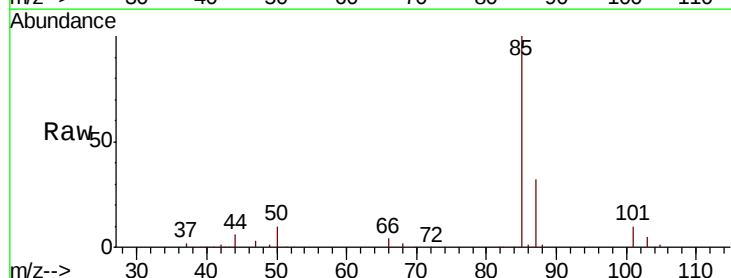
Acq: 23 Dec 2019 11:06

Tgt Ion: 85 Resp: 138755

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001019.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY001019.D (-20) (-)

1.90

100000

80000

60000

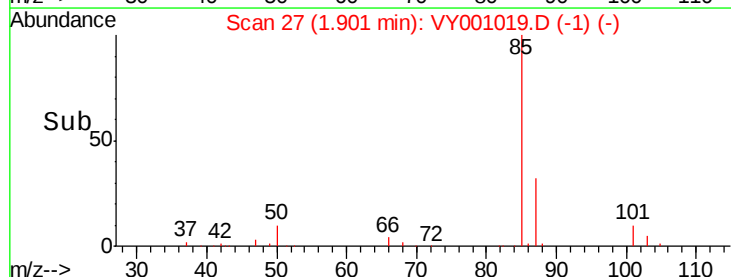
40000

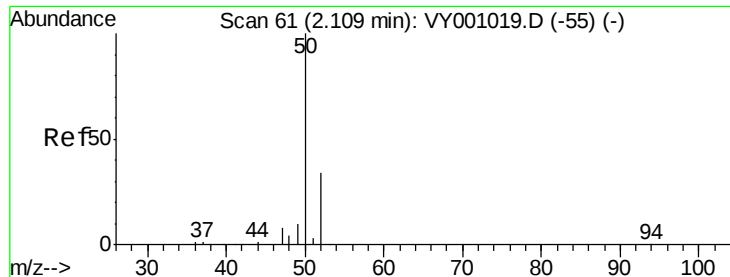
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.503 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

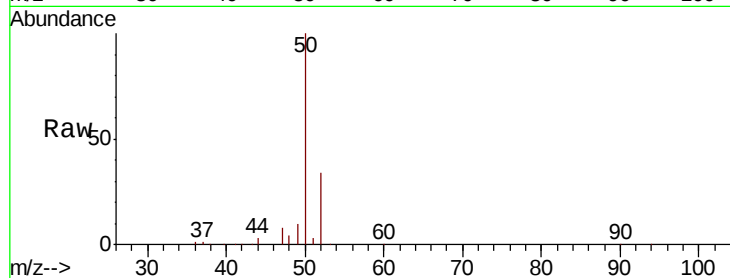
VSTDICCC050

Tot Ion: 50 Resp: 184953

Ion Ratio Lower Upper

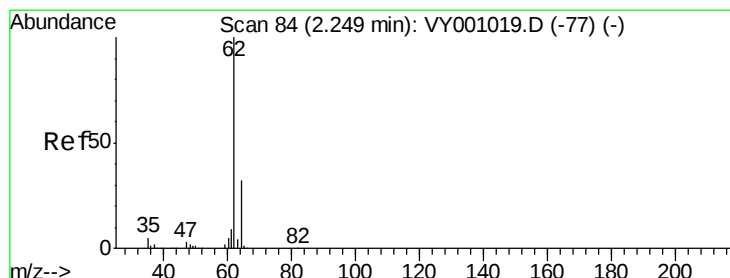
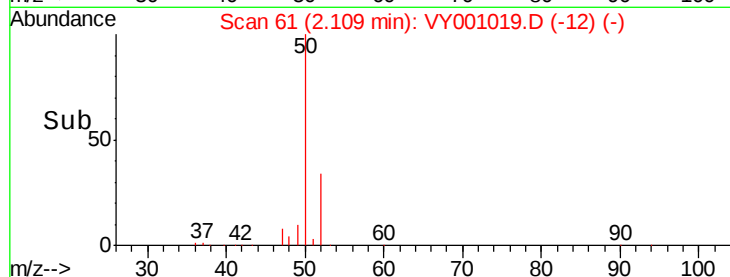
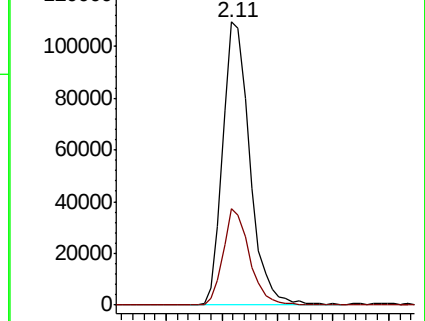
50 100

52 33.9 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 44.553 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001019.D

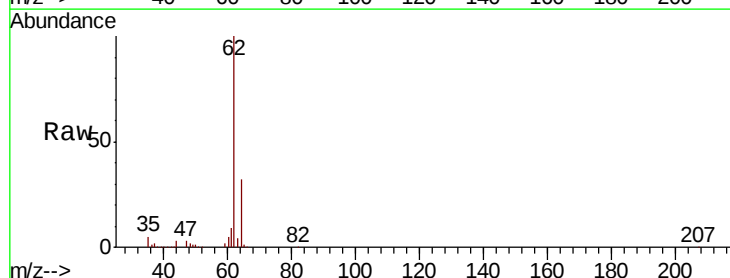
Acq: 23 Dec 2019 11:06

Tgt Ion: 62 Resp: 180492

Ion Ratio Lower Upper

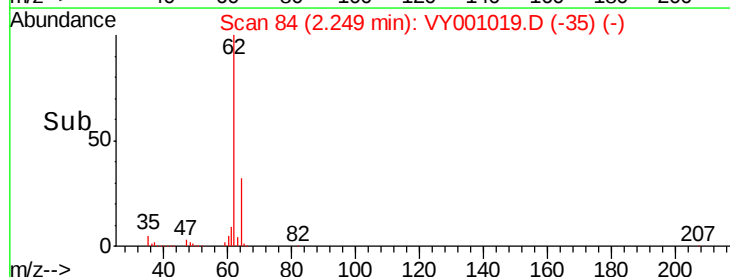
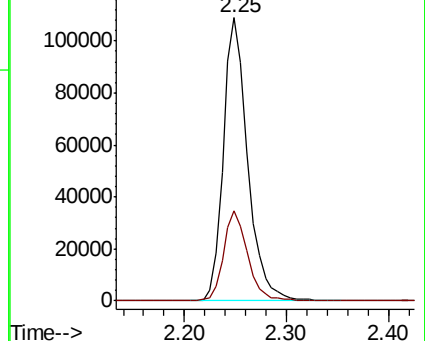
62 100

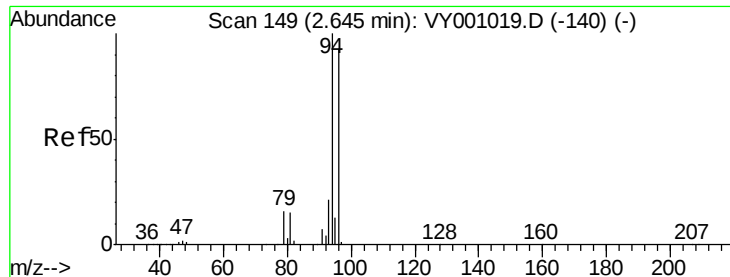
64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 46.464 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

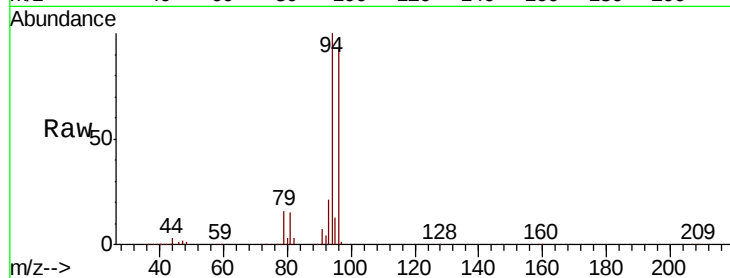
VSTDICCC050

Tot Ion: 94 Resp: 114366

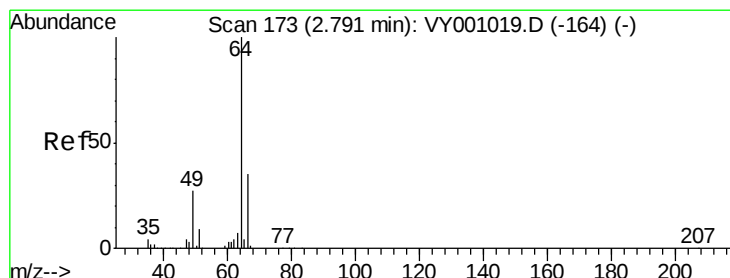
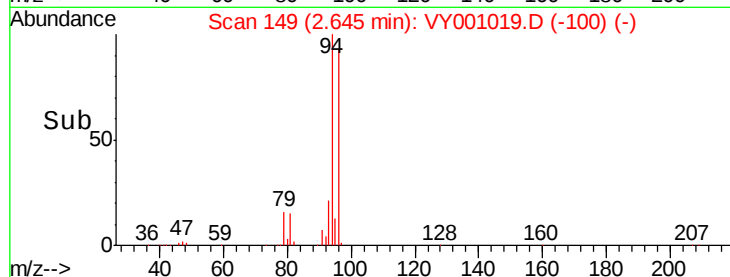
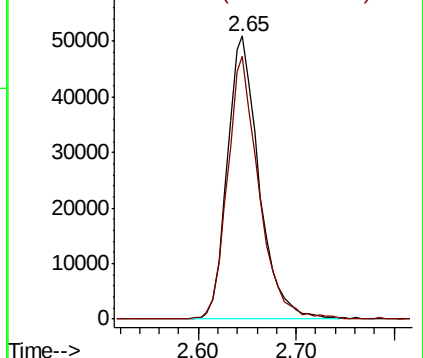
Ion Ratio Lower Upper

94 100

96 92.8 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VY0
Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.951 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY001019.D

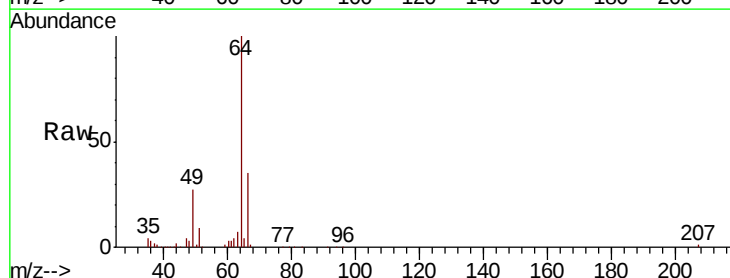
Acq: 23 Dec 2019 11:06

Tgt Ion: 64 Resp: 115056

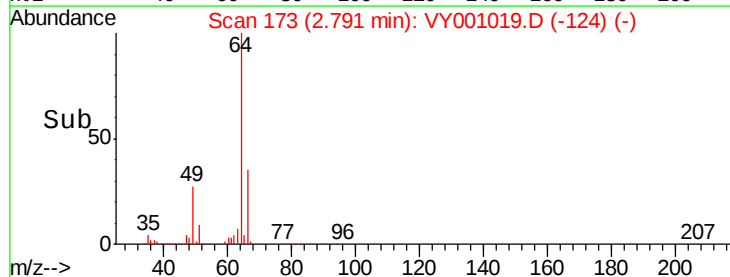
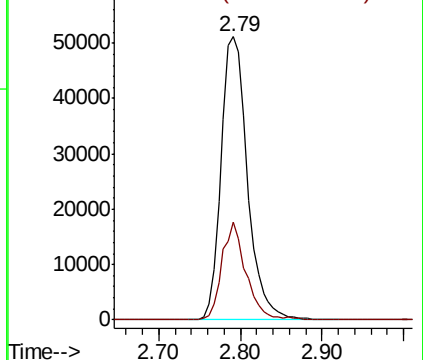
Ion Ratio Lower Upper

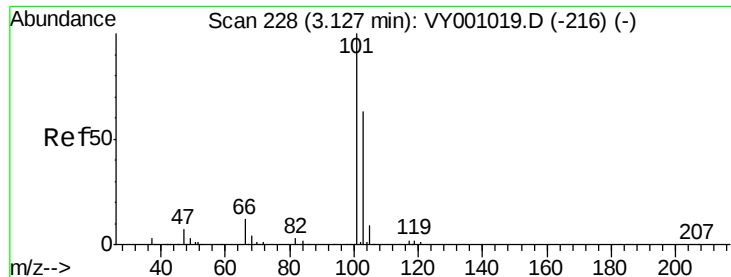
64 100

66 34.7 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0
Ion 65.90 (65.60 to 66.60): VY0



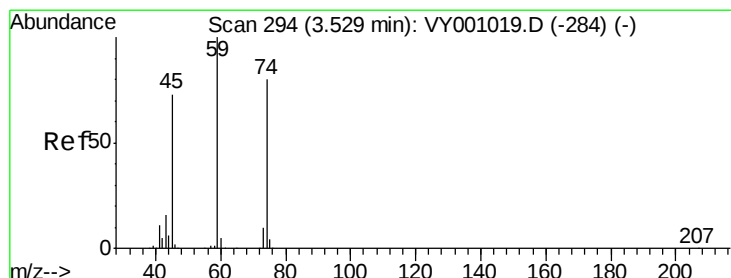
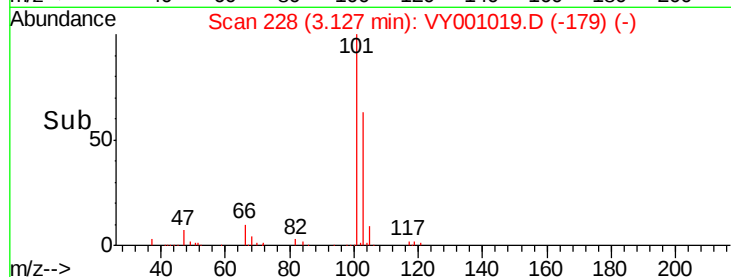
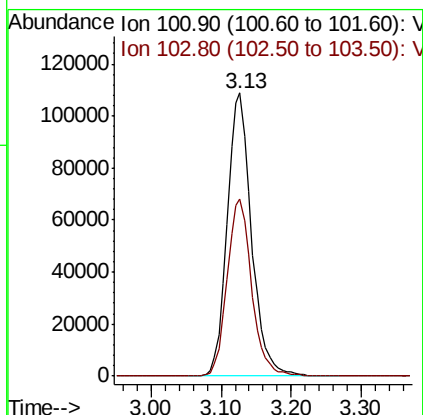
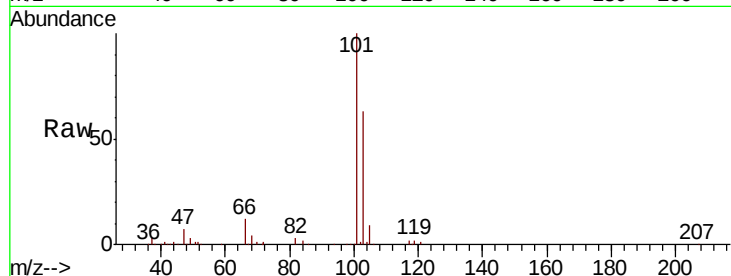


#7

Trichlorofluoromethane
 Concen: 44.757 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Instrument :
 MSVOA_Y
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 VSTDICCC050

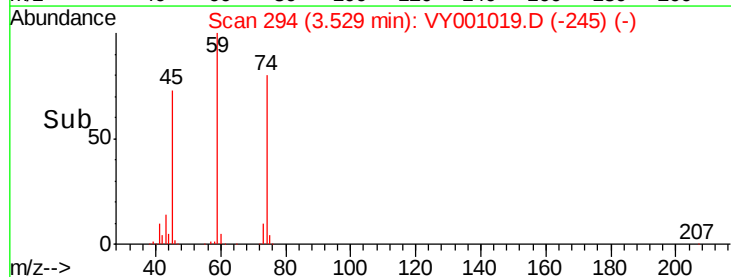
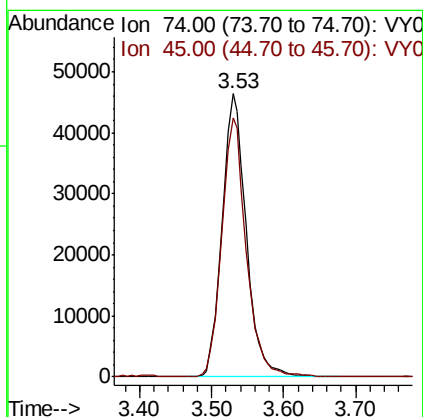
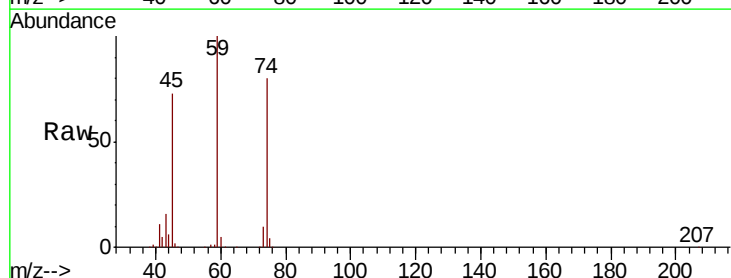
Tot Ion:101 Resp: 261923
 Ion Ratio Lower Upper
 101 100
 103 62.7 50.2 75.2

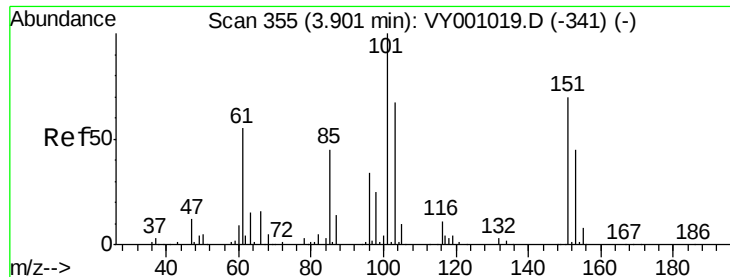


#8

Diethyl Ether
 Concen: 46.675 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Tgt Ion: 74 Resp: 108458
 Ion Ratio Lower Upper
 74 100
 45 92.8 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.079 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

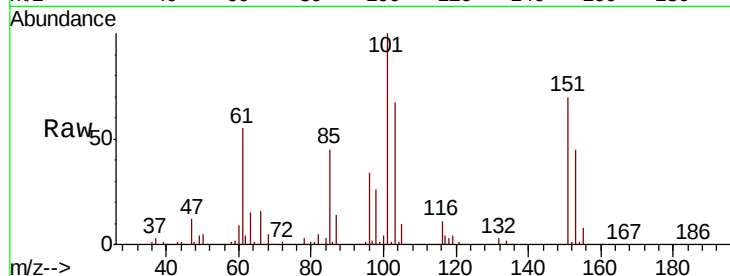
Tot Ion:101 Resp: 174643

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

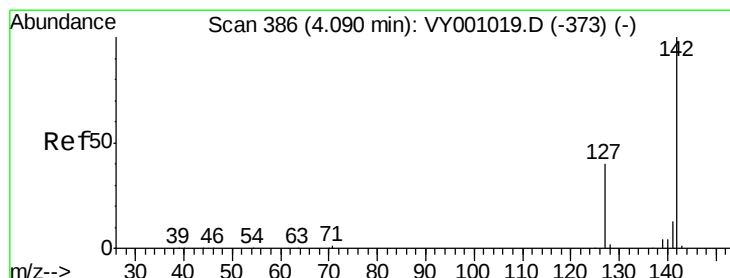
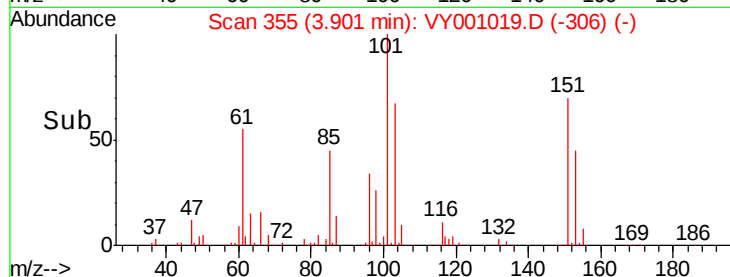
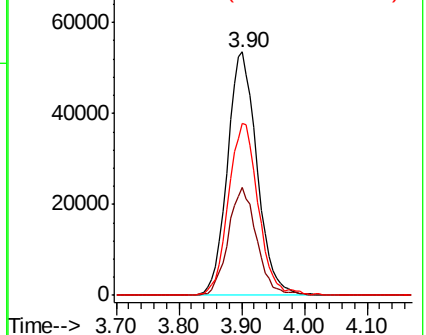
151 71.3 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.164 ug/l

RT: 4.09 min Scan# 386

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

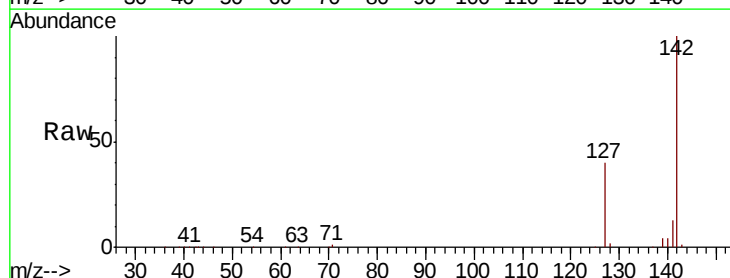
Tgt Ion:142 Resp: 249953

Ion Ratio Lower Upper

142 100

127 39.0 31.2 46.8

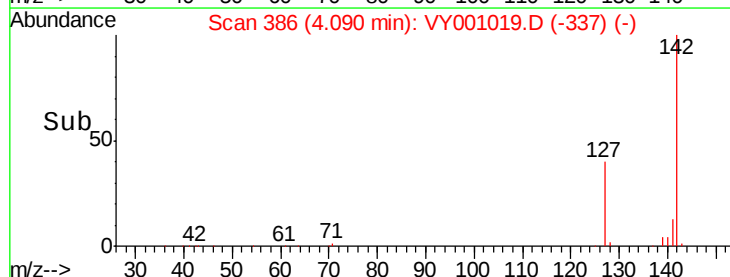
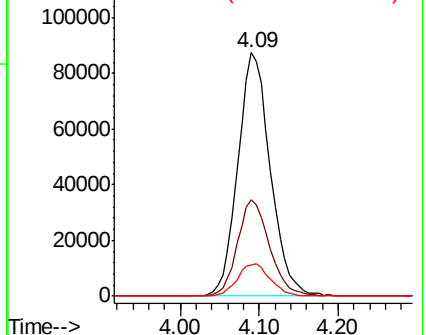
141 13.7 11.0 16.4

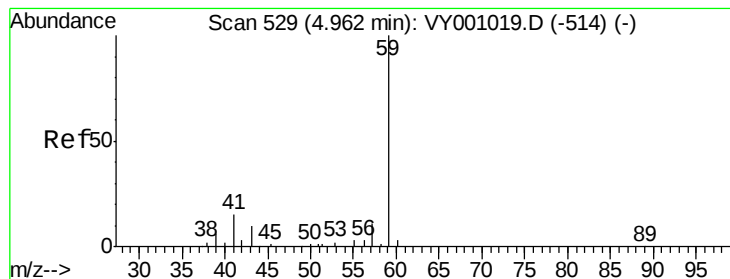


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



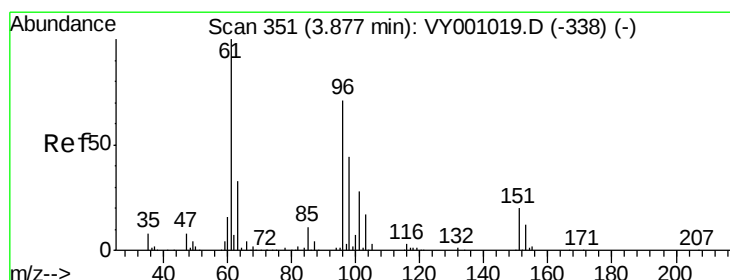
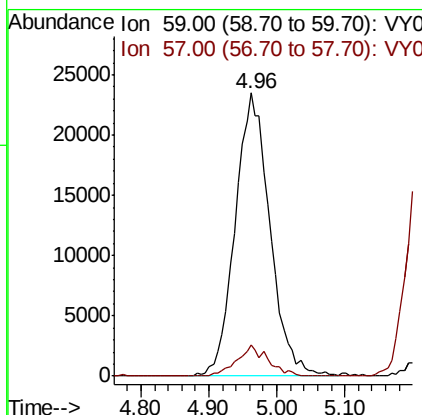
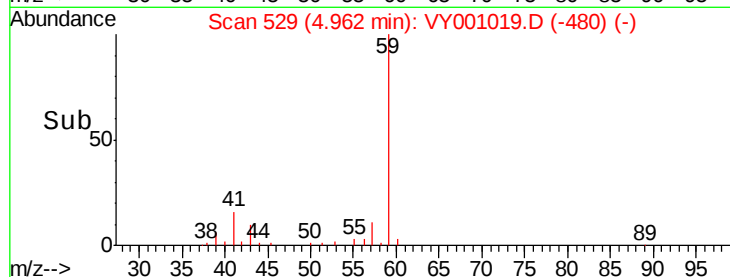
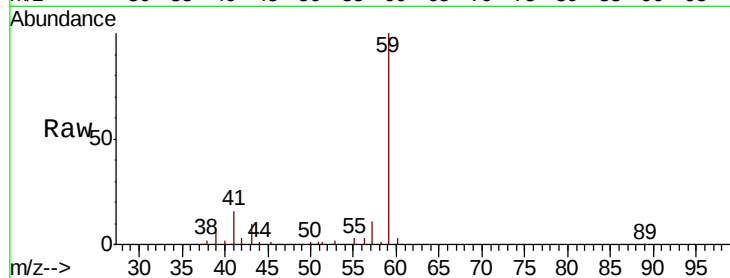


#11

Tert butyl alcohol
 Concen: 226.017 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

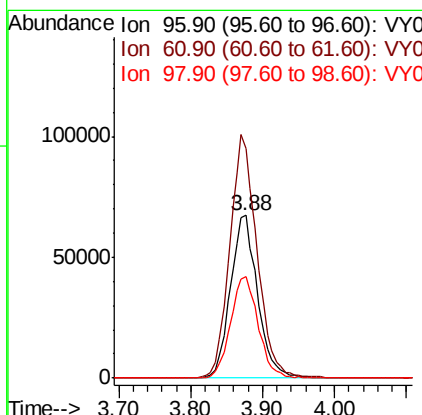
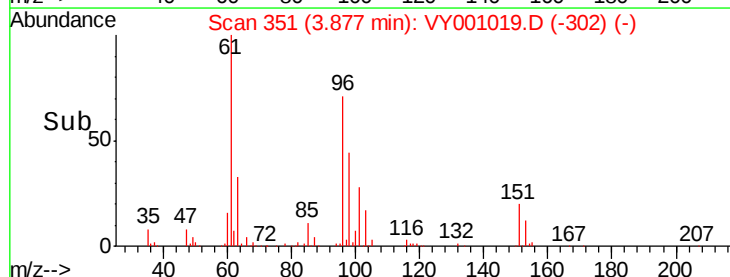
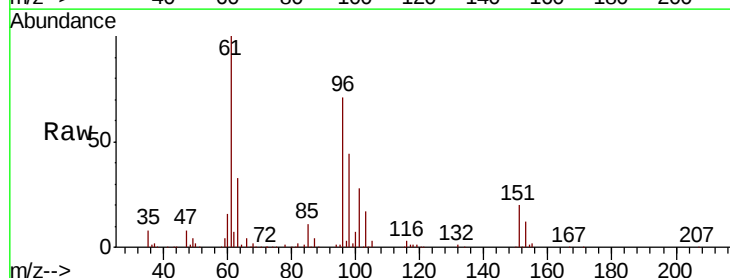
Tot Ion: 59 Resp: 83296
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.8 11.6

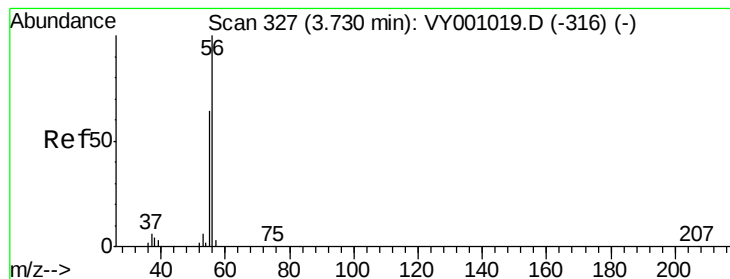


#12

1,1-Dichloroethene
 Concen: 46.440 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Tgt Ion: 96 Resp: 176791
 Ion Ratio Lower Upper
 96 100
 61 141.2 113.0 169.4
 98 62.3 49.8 74.8





#13

Acrolein

Concen: 285.612 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

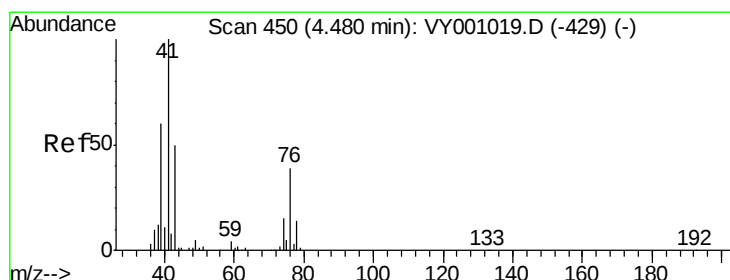
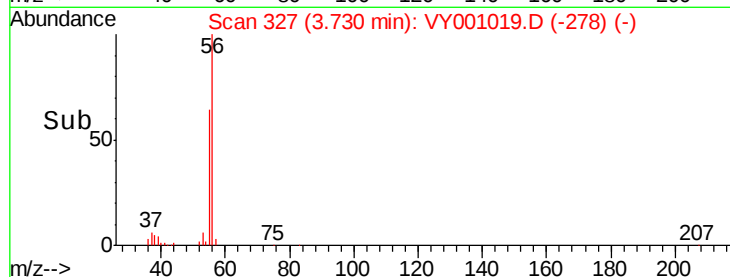
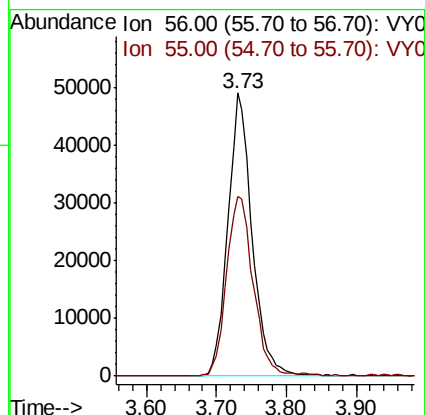
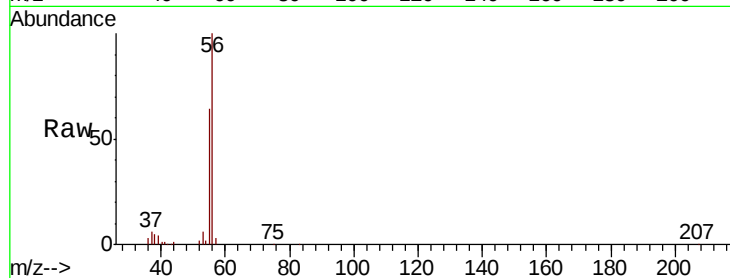
VSTDICCC050

Tot Ion: 56 Resp: 117986

Ion Ratio Lower Upper

56 100

55 69.5 55.6 83.4



#14

Allyl chloride

Concen: 45.194 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

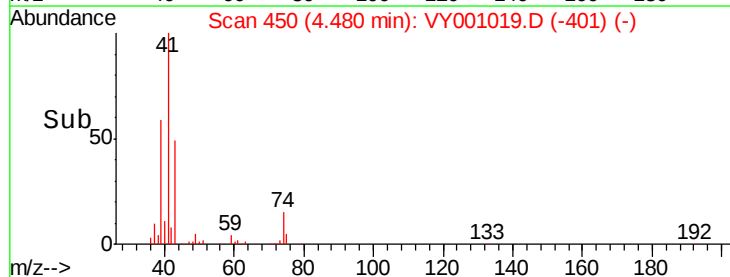
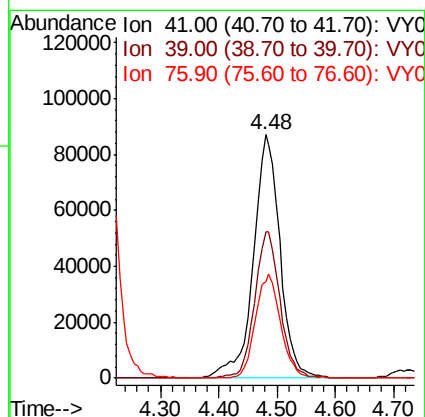
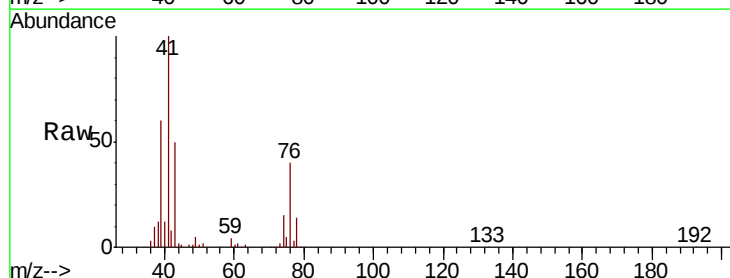
Tgt Ion: 41 Resp: 276352

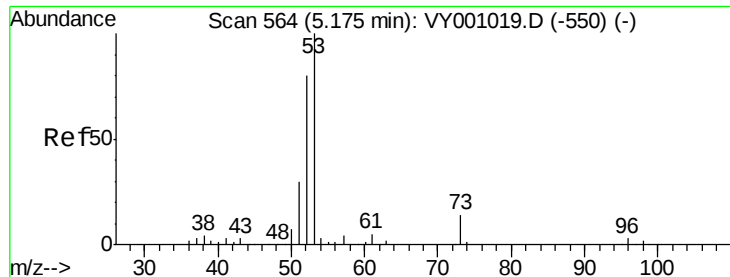
Ion Ratio Lower Upper

41 100

39 57.5 46.0 69.0

76 40.7 32.6 48.8





#15

Acrylonitrile

Concen: 237.076 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

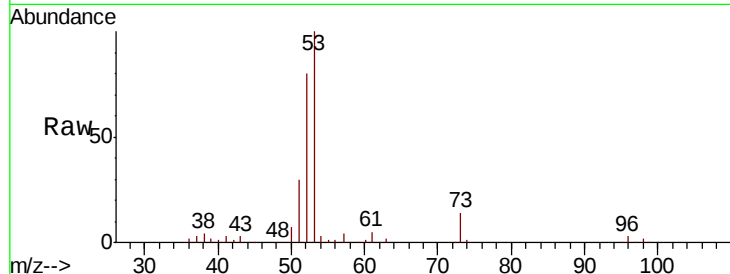
Tot Ion: 53 Resp: 277761

Ion Ratio Lower Upper

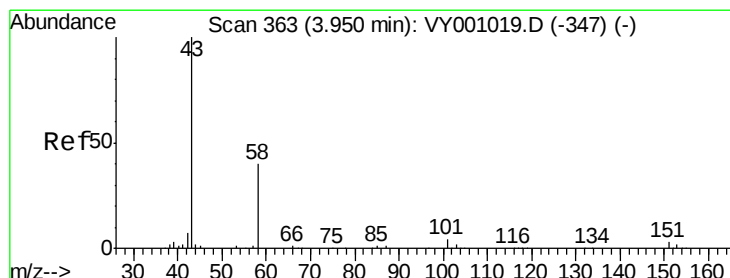
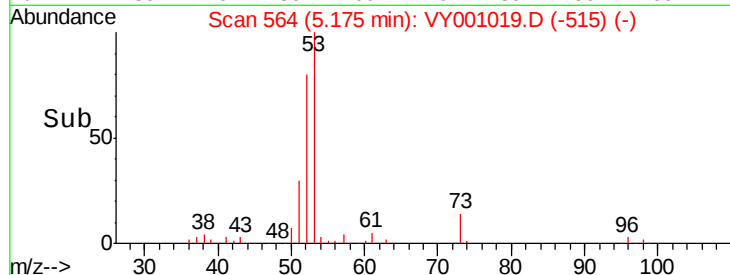
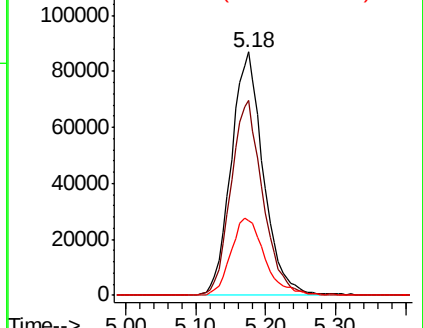
53 100

52 79.5 63.6 95.4

51 33.4 26.7 40.1



Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 215.234 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY001019.D

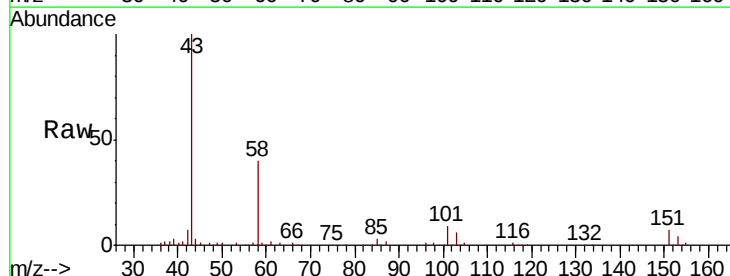
Acq: 23 Dec 2019 11:06

Tgt Ion: 43 Resp: 168309

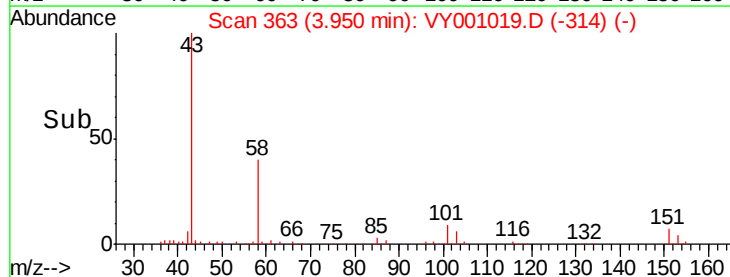
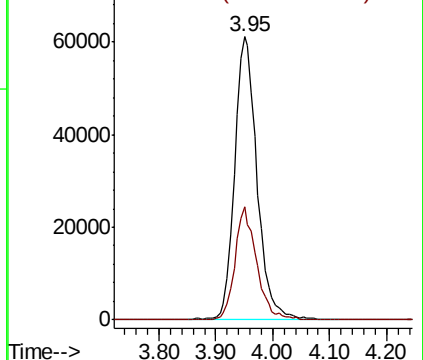
Ion Ratio Lower Upper

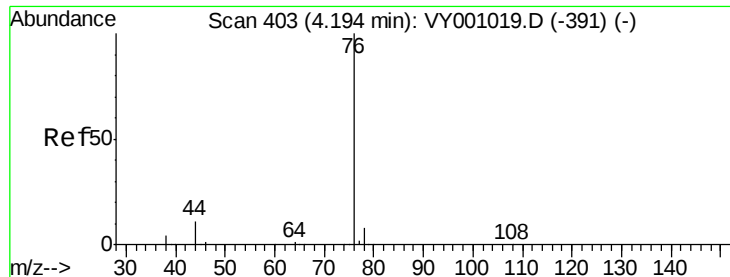
43 100

58 40.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

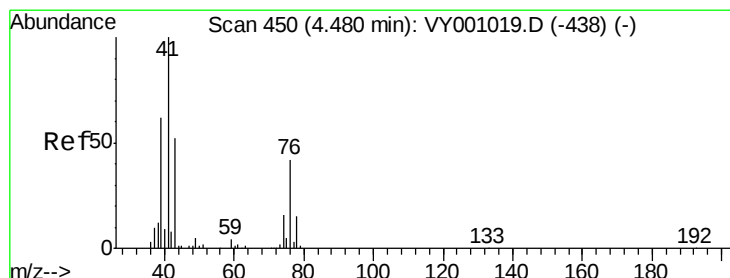
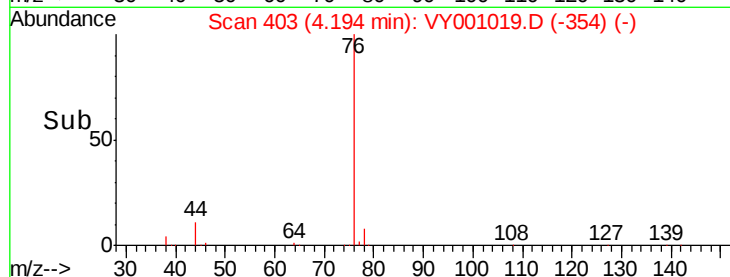
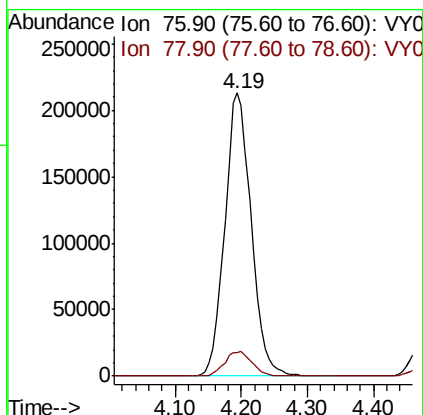
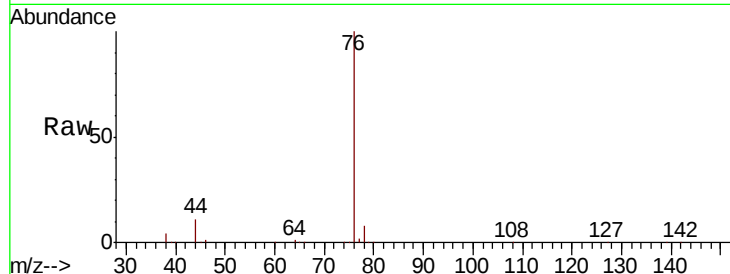




#17
Carbon Disulfide
Concen: 47.400 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

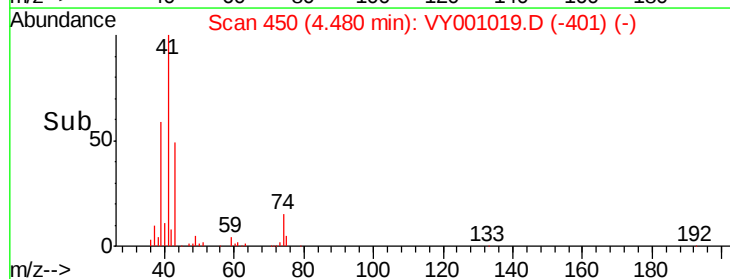
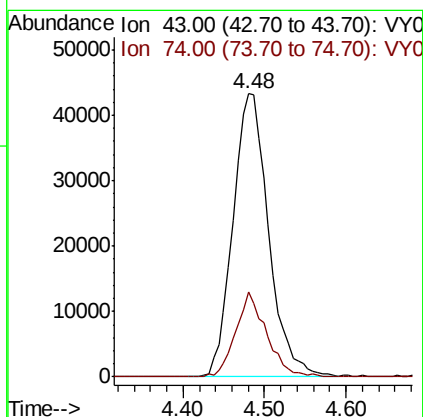
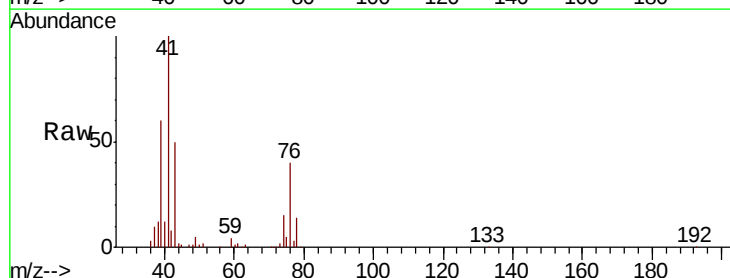
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

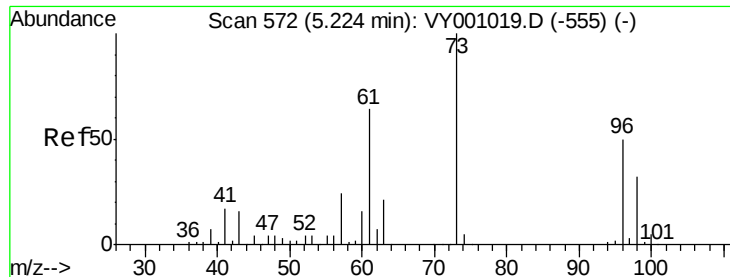
Tot Ion: 76 Resp: 587429
Ion Ratio Lower Upper
76 100
78 8.4 6.7 10.1



#18
Methyl Acetate
Concen: 42.511 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion: 43 Resp: 131317
Ion Ratio Lower Upper
43 100
74 25.9 20.7 31.1

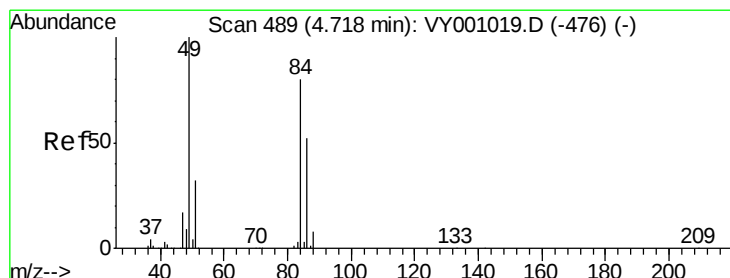
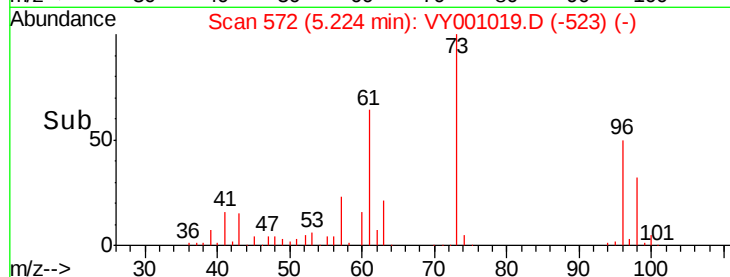
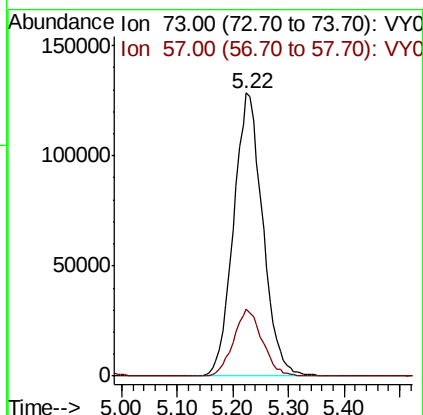
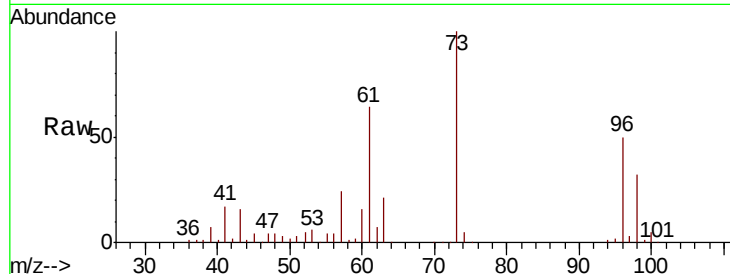




#19
Methyl tert-butyl Ether
Concen: 46.969 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

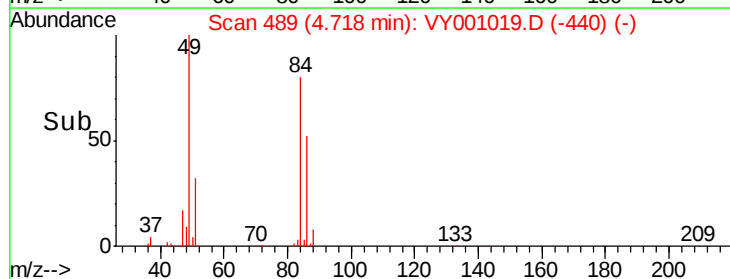
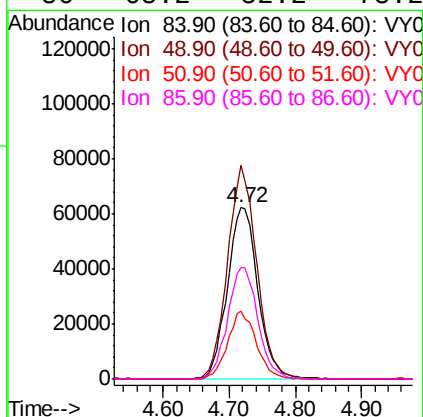
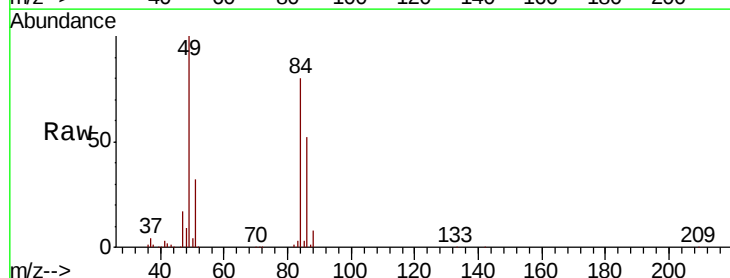
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

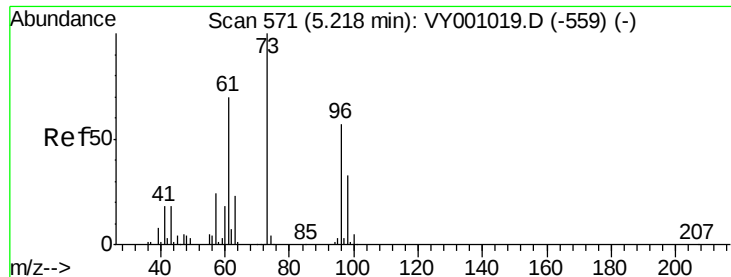
Tot Ion: 73 Resp: 466260
Ion Ratio Lower Upper
73 100
57 23.8 19.0 28.6



#20
Methylene Chloride
Concen: 44.143 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion: 84 Resp: 199399
Ion Ratio Lower Upper
84 100
49 124.7 99.8 149.6
51 39.3 31.4 47.2
86 65.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 47.038 ug/l

RT: 5.22 min Scan# 571

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

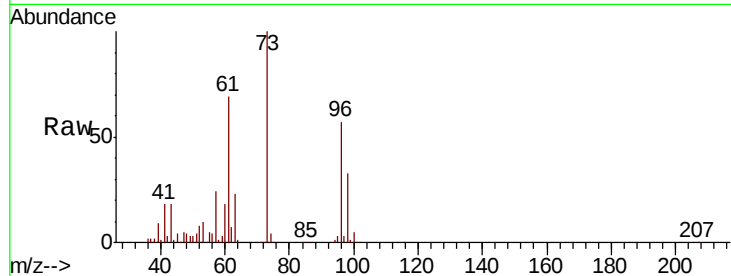
Tot Ion: 96 Resp: 198885

Ion Ratio Lower Upper

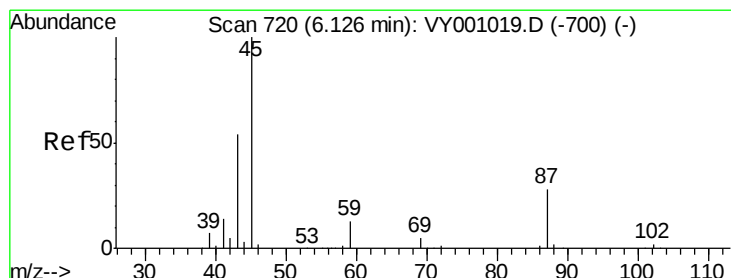
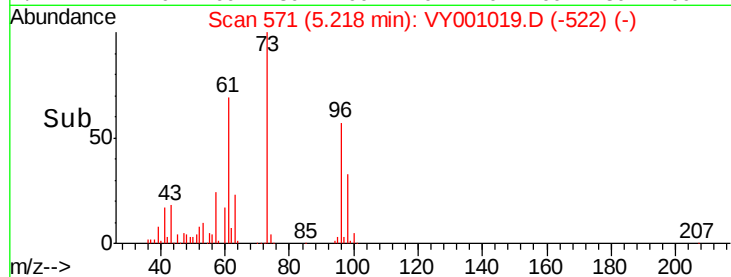
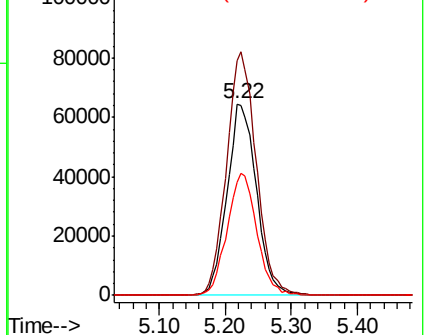
96 100

61 122.6 98.1 147.1

98 59.0 47.2 70.8



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 45.417 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Tgt Ion: 45 Resp: 562870

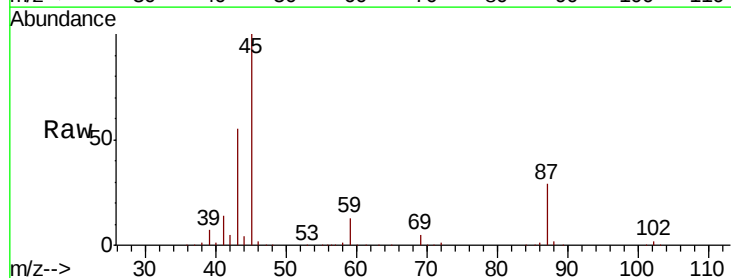
Ion Ratio Lower Upper

45 100

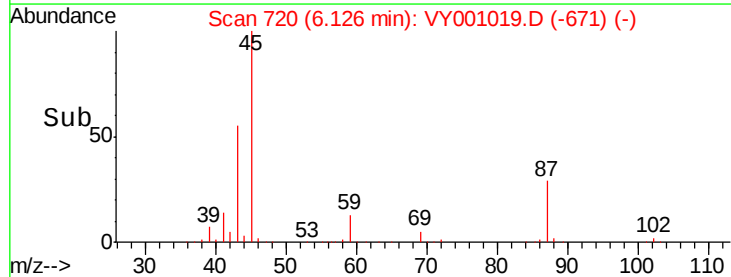
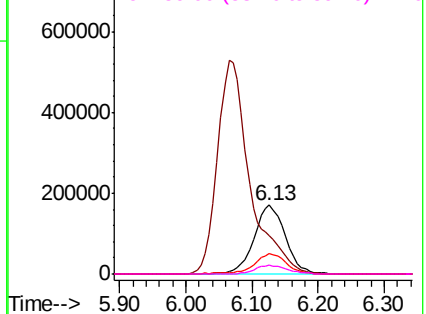
43 54.5 43.6 65.4

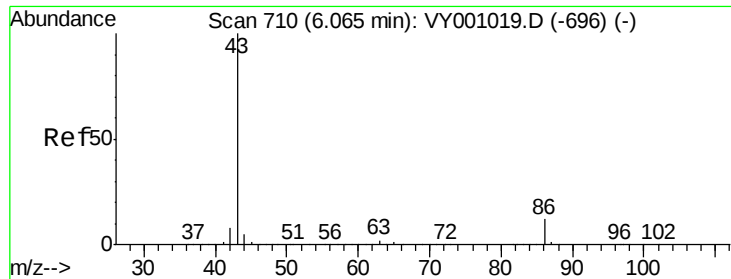
87 28.9 23.1 34.7

59 12.8 10.2 15.4



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 231.768 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

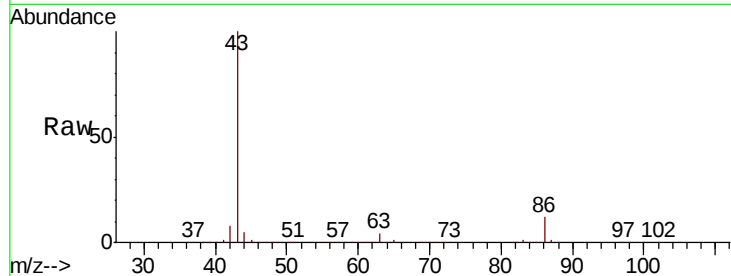
VSTDICCC050

Tot Ion: 43 Resp: 1800799

Ion Ratio Lower Upper

43 100

86 11.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

500000

400000

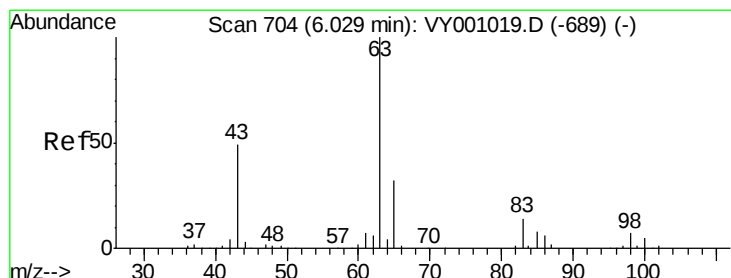
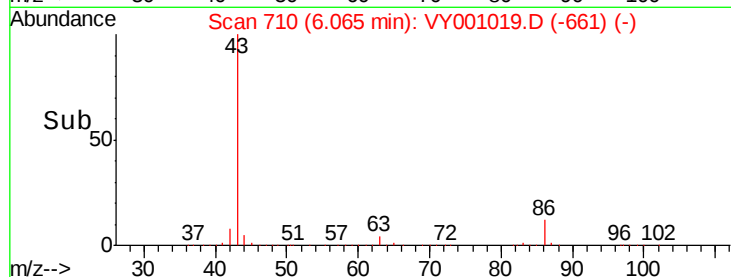
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.058 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

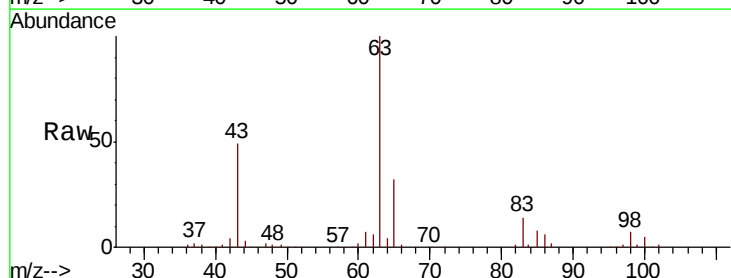
Tgt Ion: 63 Resp: 330884

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 5.0 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

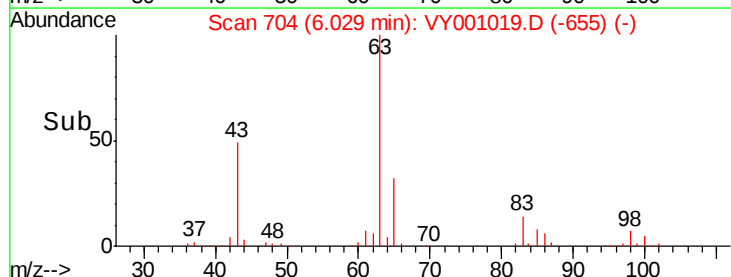
6.03

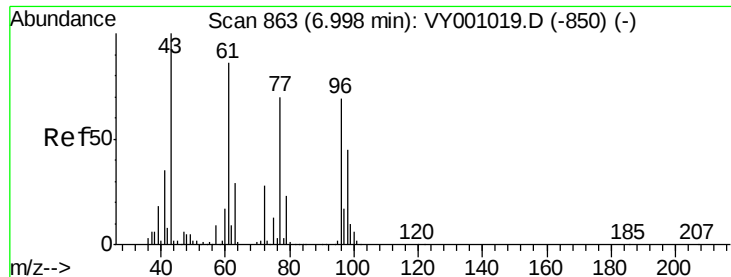
100000

50000

0

Time-->





#25

2-Butanone

Concen: 222.239 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

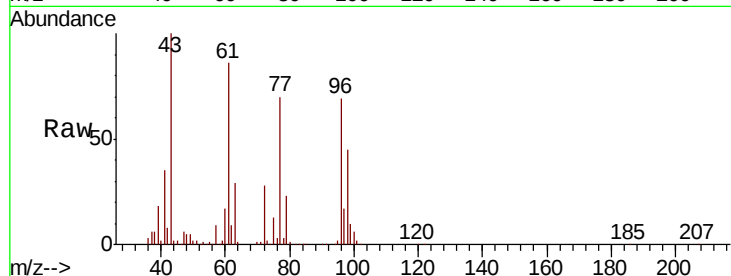
VSTDICCC050

Tot Ion: 43 Resp: 312734

Ion Ratio Lower Upper

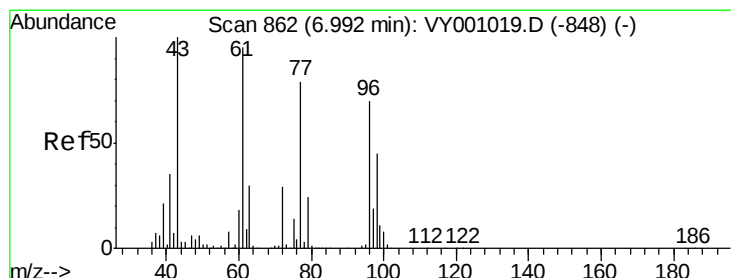
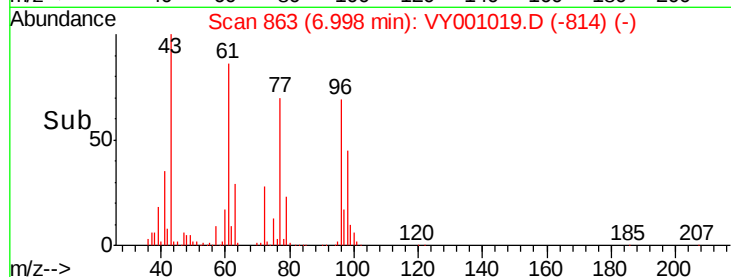
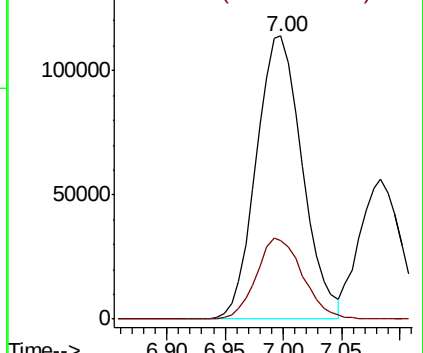
43 100

72 28.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 45.220 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001019.D

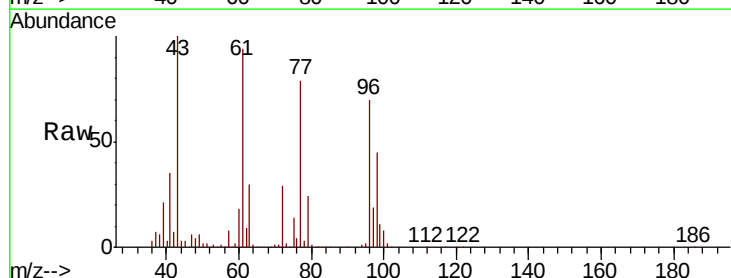
Acq: 23 Dec 2019 11:06

Tgt Ion: 77 Resp: 269130

Ion Ratio Lower Upper

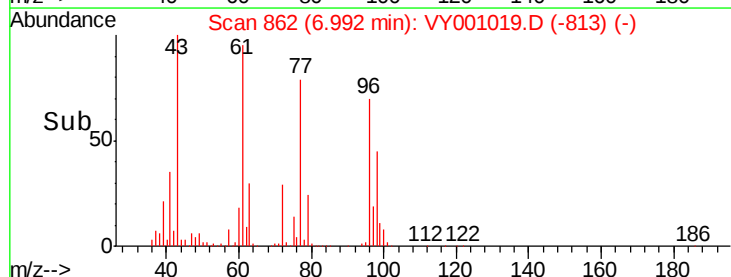
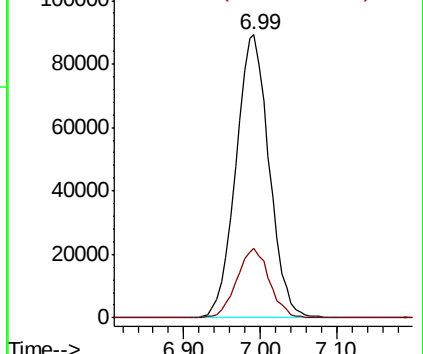
77 100

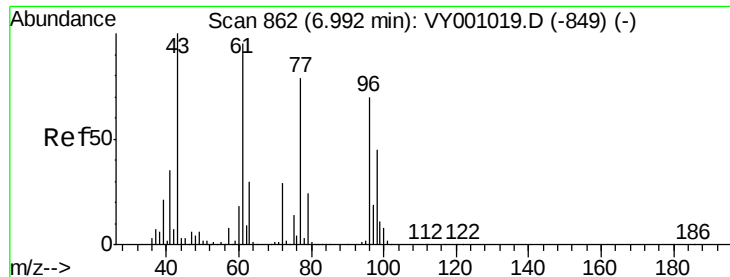
97 24.1 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



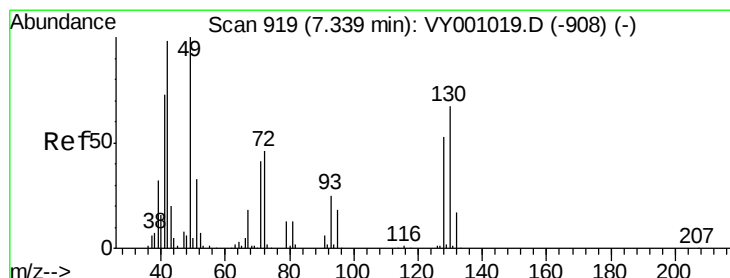
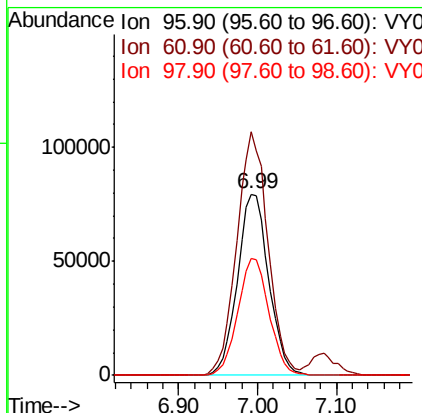
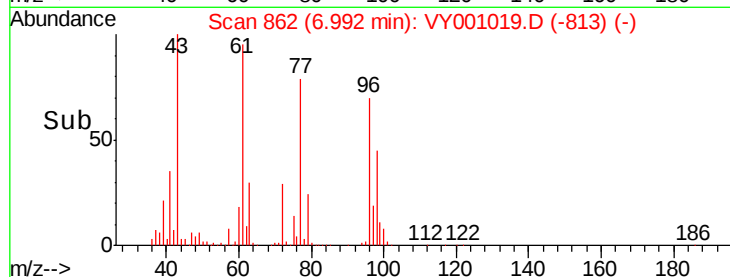
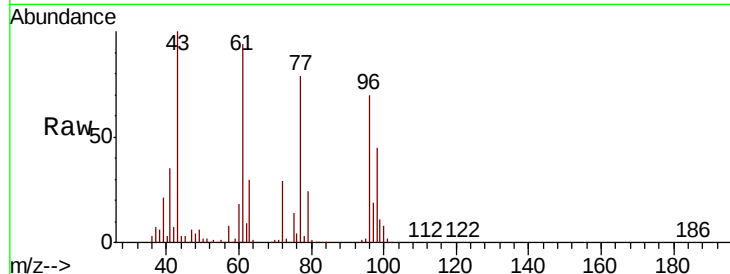


#27

cis-1,2-Dichloroethene
Concen: 47.076 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

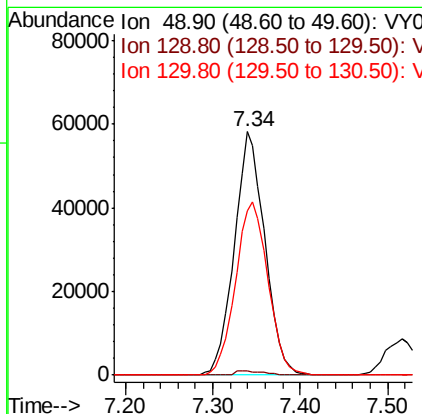
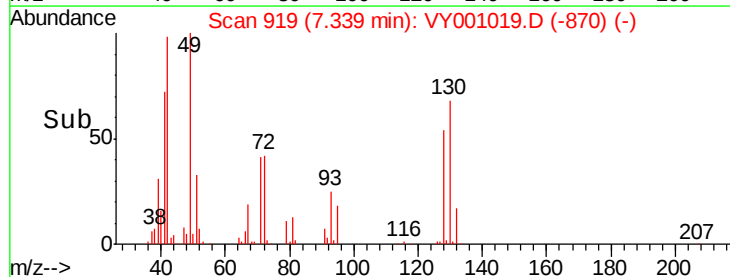
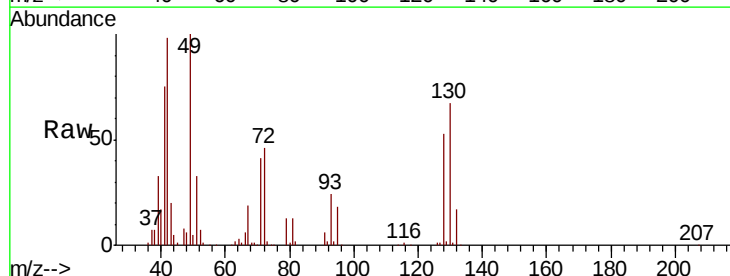
Tot Ion: 96 Resp: 218824
Ion Ratio Lower Upper
96 100
61 134.1 0.0 268.2
98 64.6 0.0 129.2

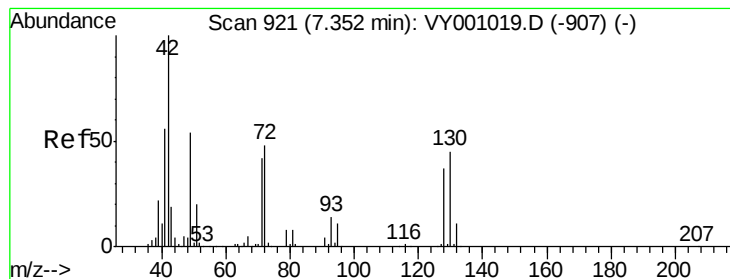


#28

Bromochloromethane
Concen: 50.735 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion: 49 Resp: 140683
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.8
130 75.5 60.4 90.6





#29

Tetrahydrofuran

Concen: 223.948 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampled :

VSTDICCC050

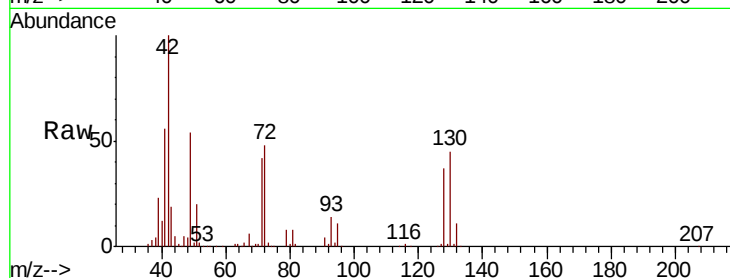
Tot Ion: 42 Resp: 220975

Ion Ratio Lower Upper

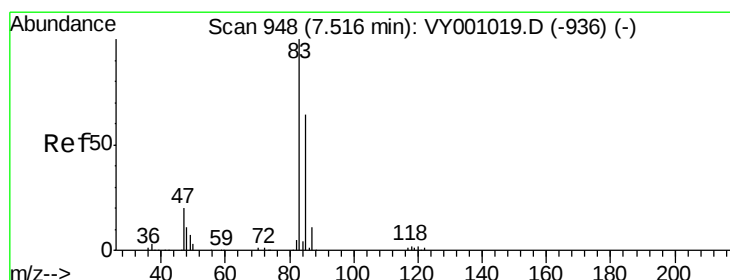
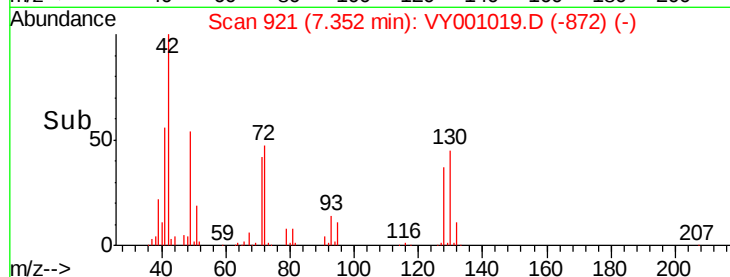
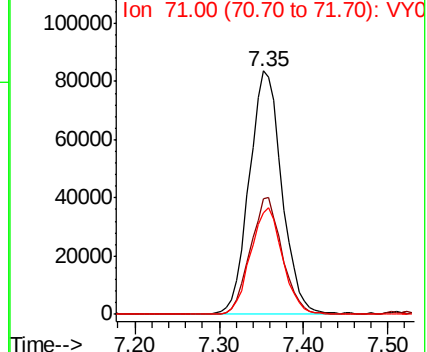
42 100

72 47.1 37.7 56.5

71 43.2 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 45.851 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY001019.D

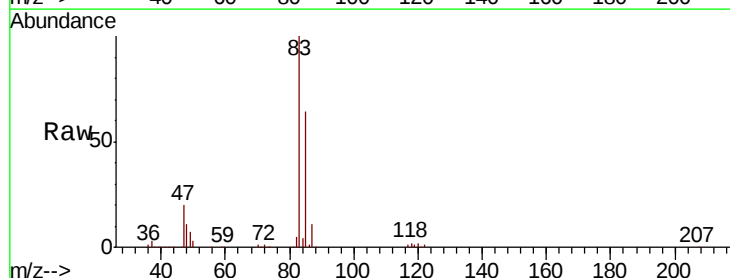
Acq: 23 Dec 2019 11:06

Tgt Ion: 83 Resp: 312147

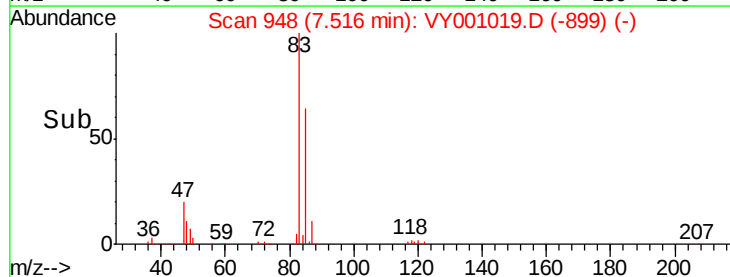
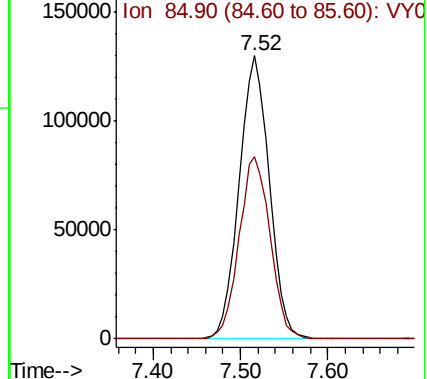
Ion Ratio Lower Upper

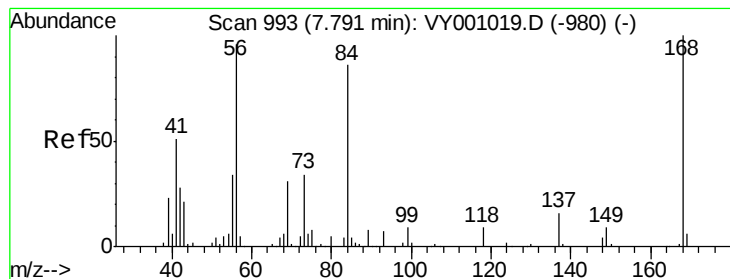
83 100

85 64.5 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 43.418 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

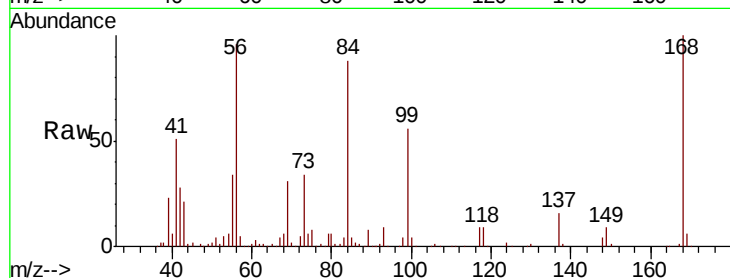
Tot Ion: 56 Resp: 329628

Ion Ratio Lower Upper

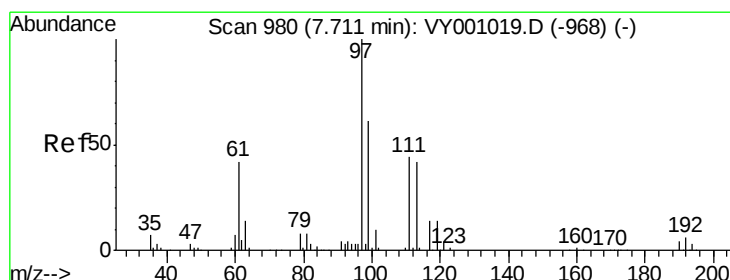
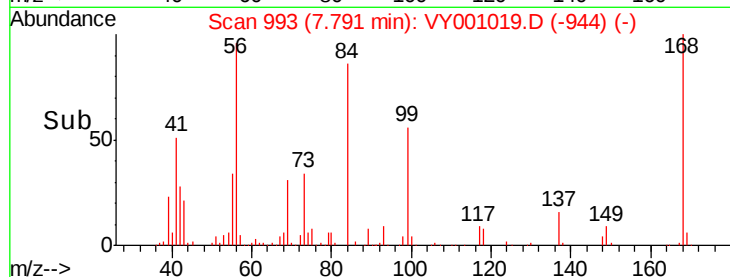
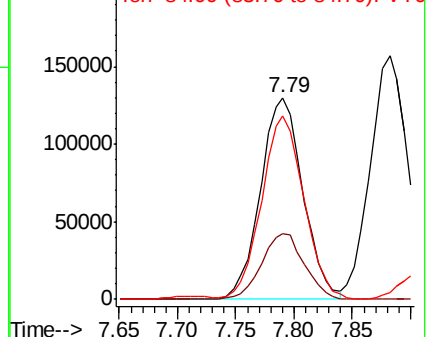
56 100

69 32.6 26.1 39.1

84 89.8 71.8 107.8



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 45.490 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

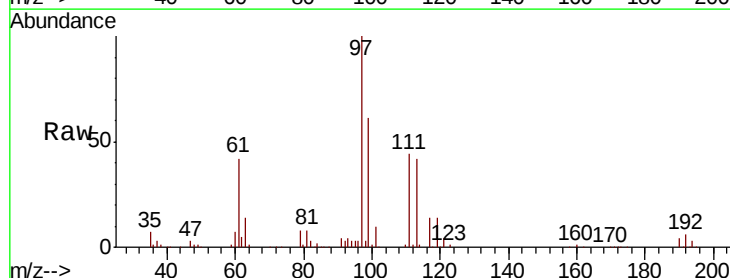
Tgt Ion: 97 Resp: 264423

Ion Ratio Lower Upper

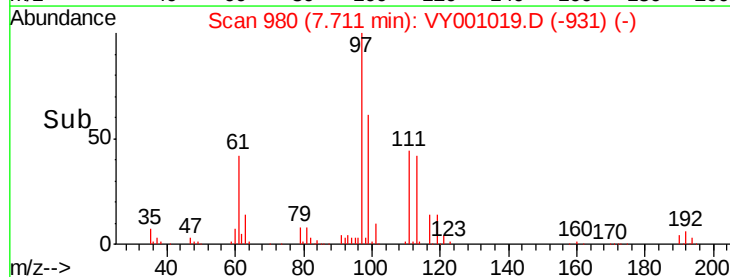
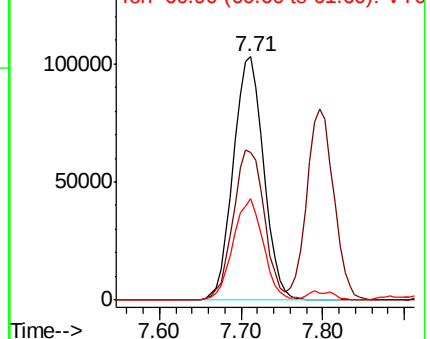
97 100

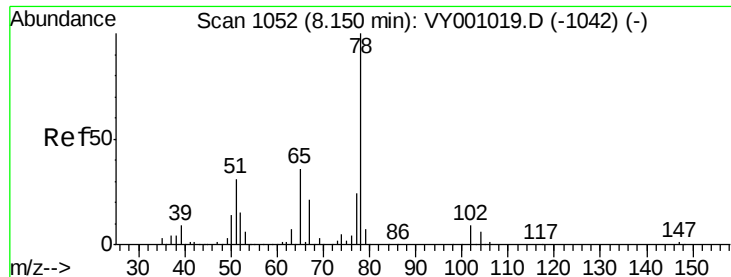
99 63.3 50.6 76.0

61 41.3 33.0 49.6



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 48.010 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

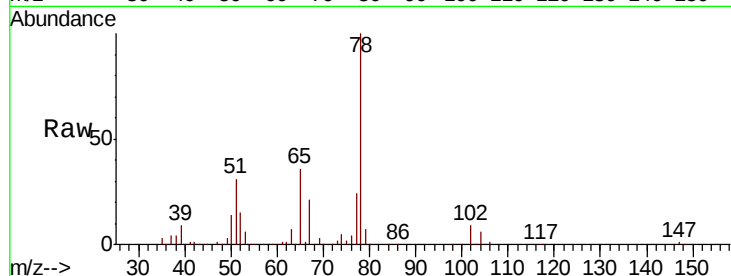
VSTDICCC050

Tot Ion: 65 Resp: 161732

Ion Ratio Lower Upper

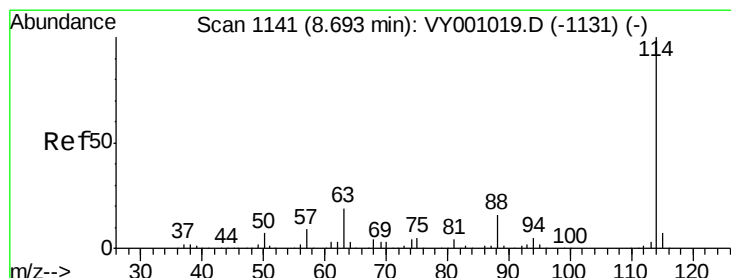
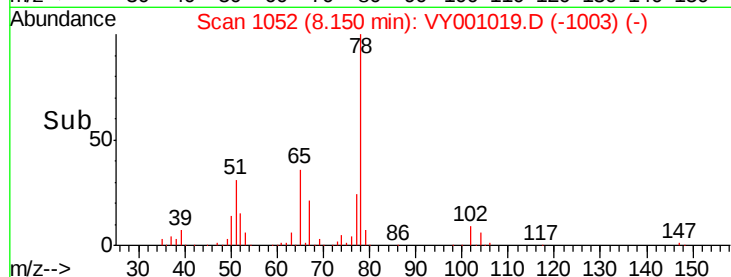
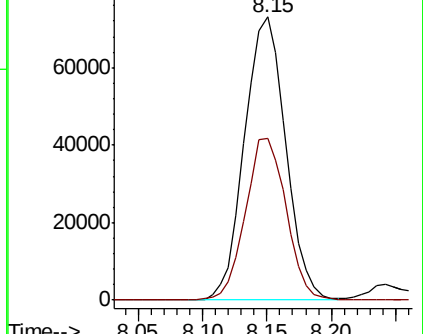
65 100

67 56.4 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

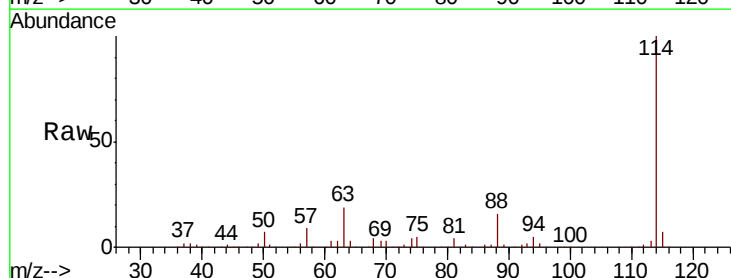
Tgt Ion: 114 Resp: 590921

Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.0

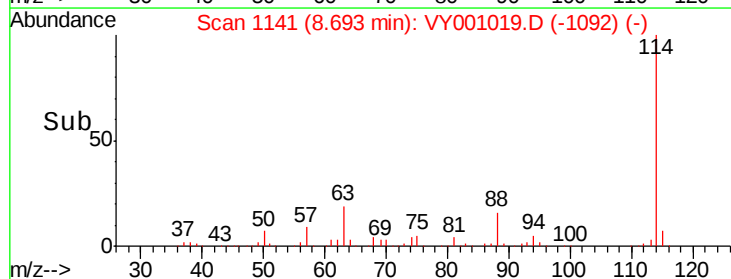
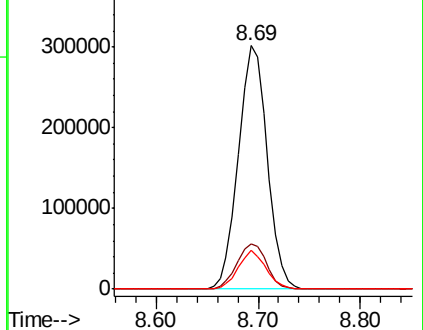
88 16.0 0.0 32.0

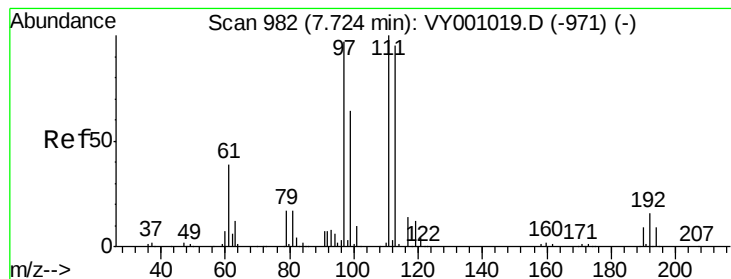


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 47.501 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

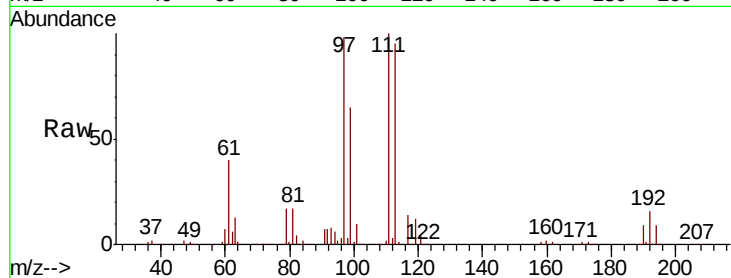
Tot Ion:113 Resp: 163992

Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.4

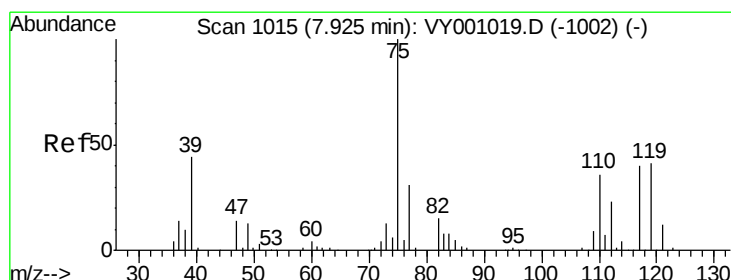
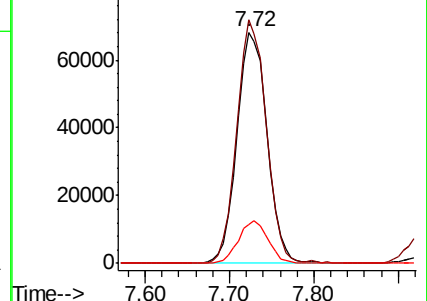
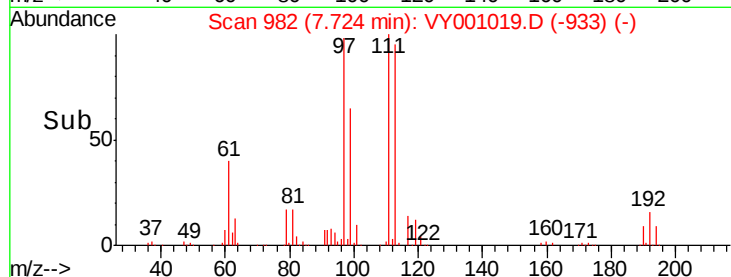
192 18.2 14.6 21.8



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: 45.644 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

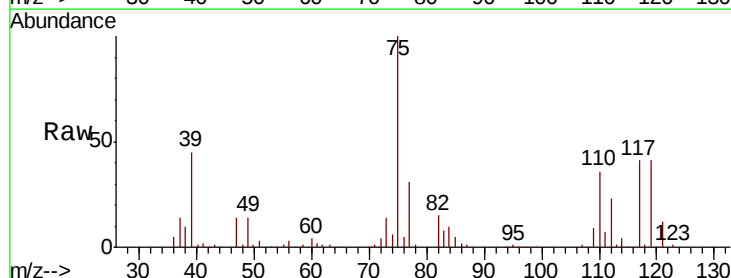
Tgt Ion: 75 Resp: 261853

Ion Ratio Lower Upper

75 100

110 36.3 18.1 54.4

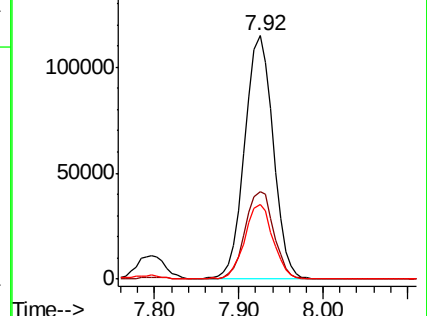
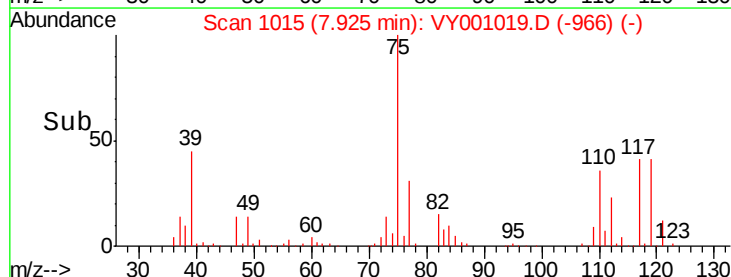
77 30.8 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 44.843 ug/l

RT: 7.08 min Scan# 877

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

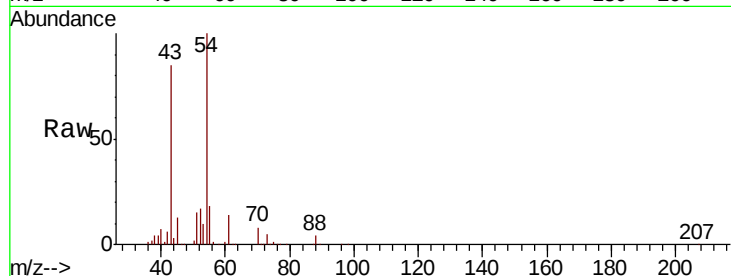
Tot Ion: 43 Resp: 144143

Ion Ratio Lower Upper

43 100

61 15.6 12.5 18.7

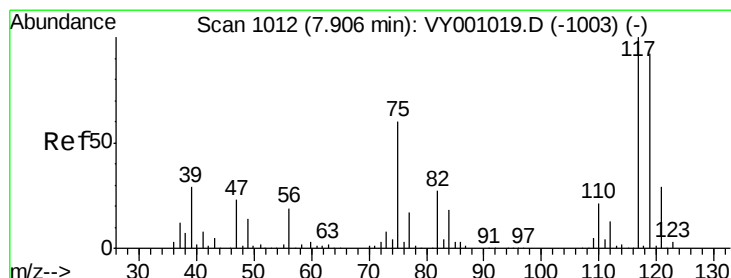
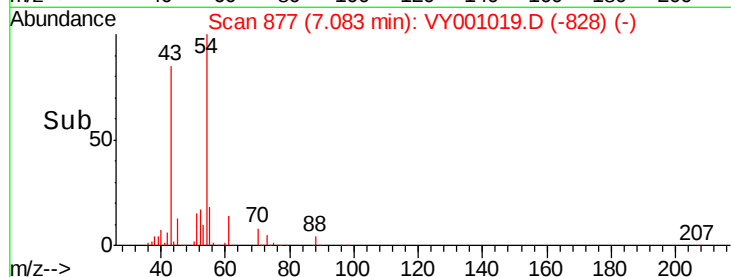
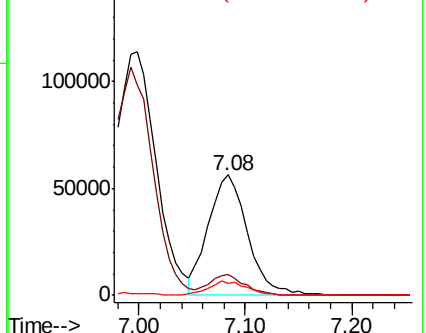
70 11.2 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-871) (-)

Ion 60.90 (60.60 to 61.60): VY001019.D (-871) (-)

Ion 70.00 (69.70 to 70.70): VY001019.D (-871) (-)



#38

Carbon Tetrachloride

Concen: 46.058 ug/l

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

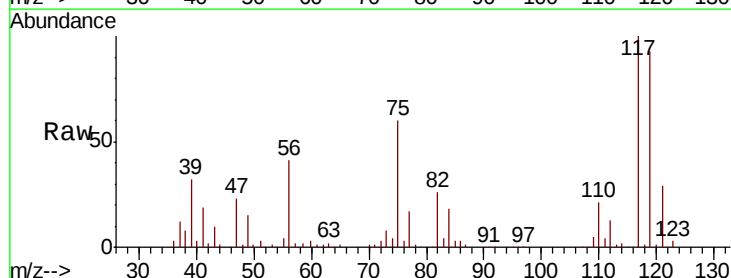
Tgt Ion: 117 Resp: 231826

Ion Ratio Lower Upper

117 100

119 92.7 74.2 111.2

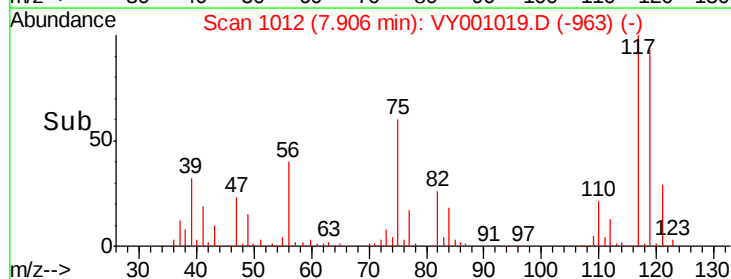
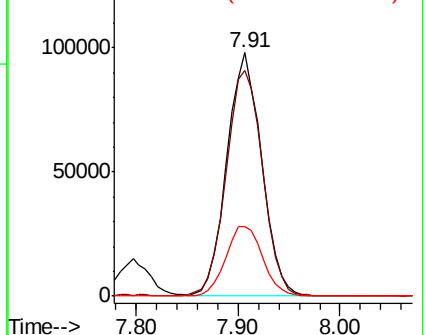
121 28.6 22.9 34.3

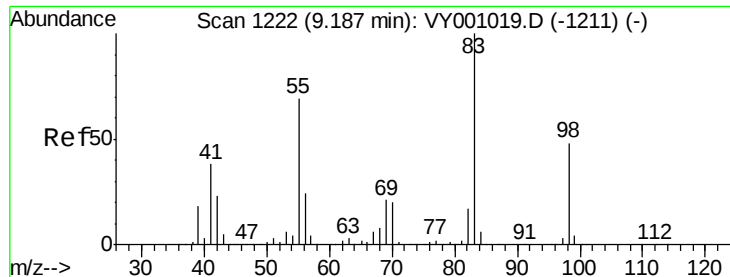


Abundance Ion 116.80 (116.50 to 117.50): VY001019.D (-1003) (-)

Ion 118.80 (118.50 to 119.50): VY001019.D (-1003) (-)

Ion 120.80 (120.50 to 121.50): VY001019.D (-1003) (-)

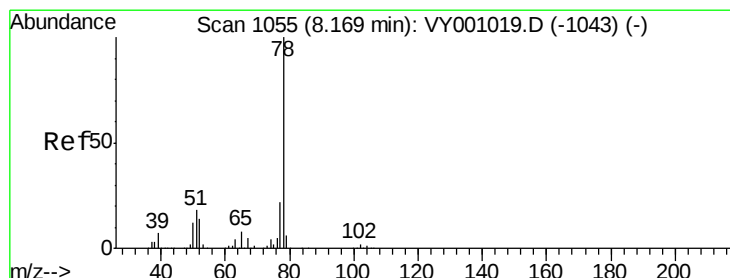
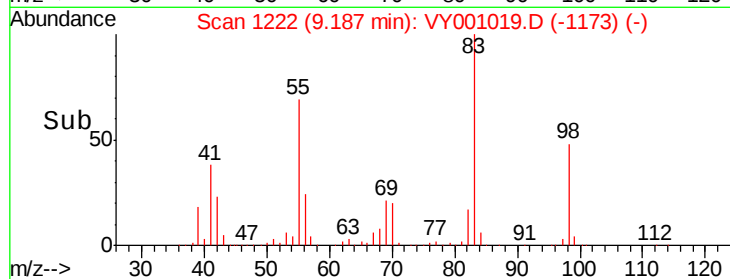
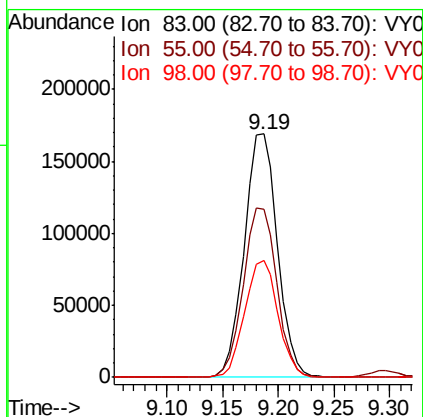
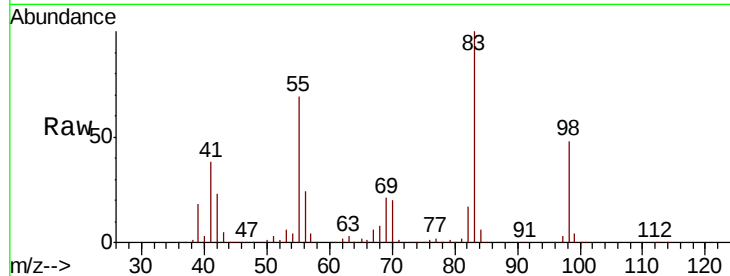




#39
Methvlcvclohexane
Concen: 46.141 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

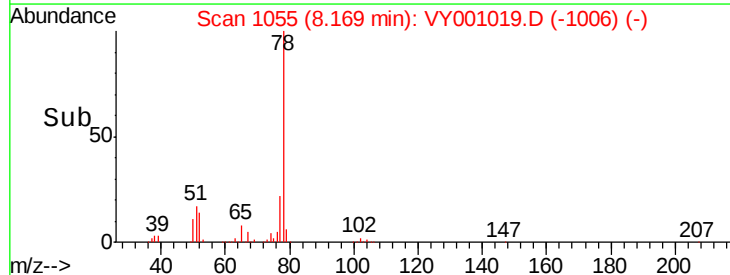
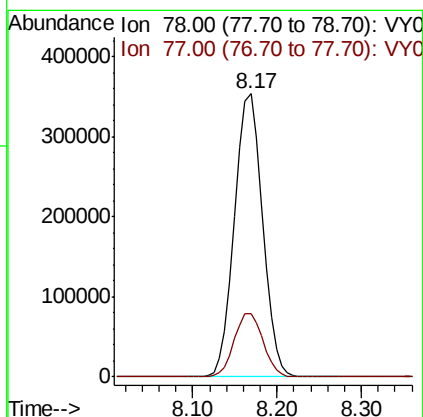
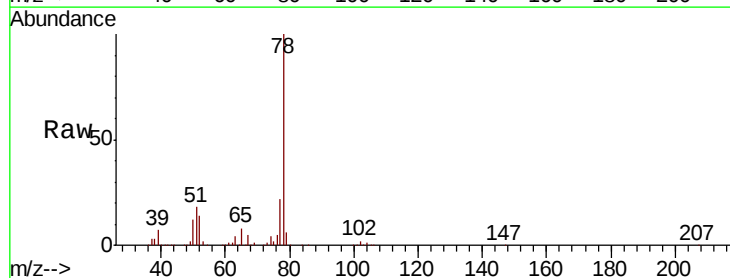
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

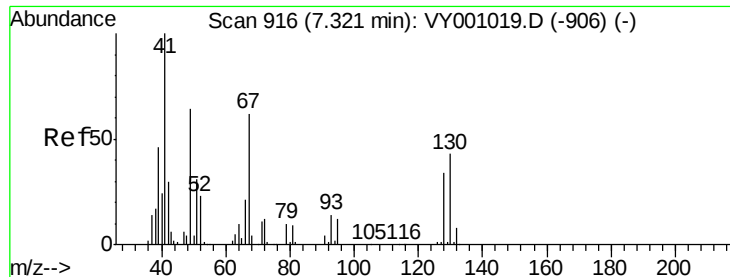
Tot Ion: 83 Resp: 351140
Ion Ratio Lower Upper
83 100
55 68.9 55.1 82.7
98 47.9 38.3 57.5



#40
Benzene
Concen: 46.317 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion: 78 Resp: 793457
Ion Ratio Lower Upper
78 100
77 22.1 17.7 26.5

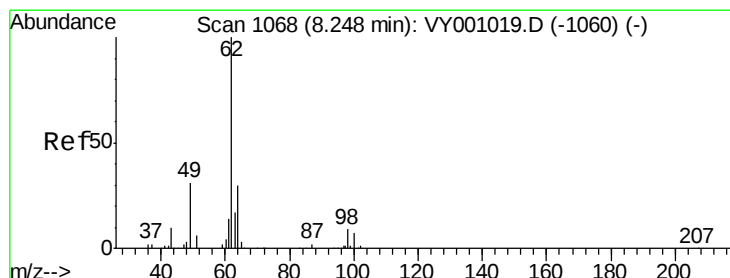
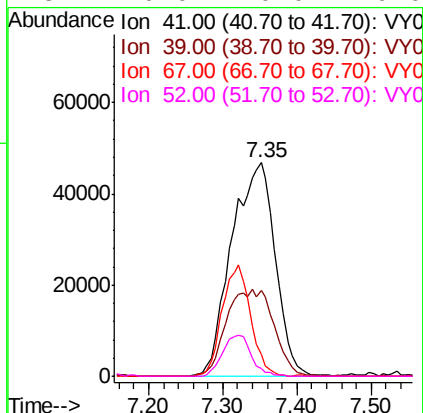
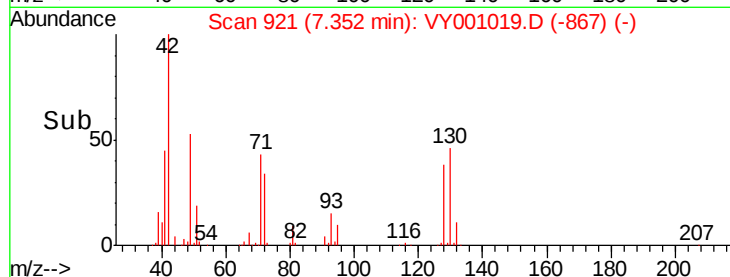
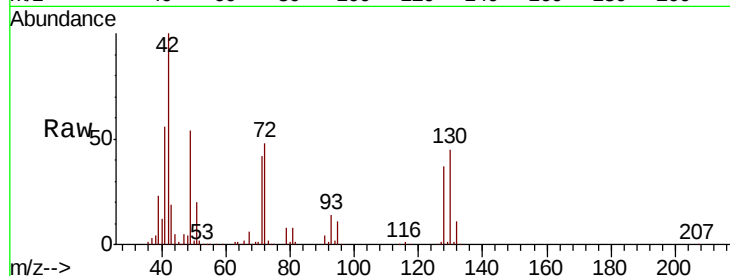




#41
Methacrylonitrile
Concen: 64.431 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

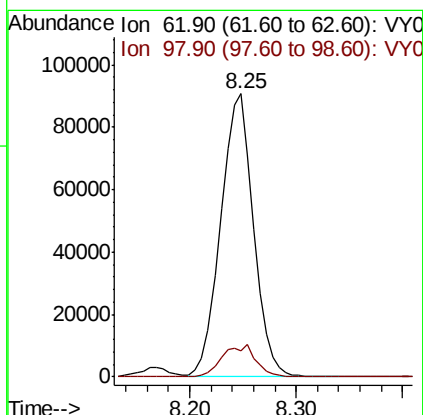
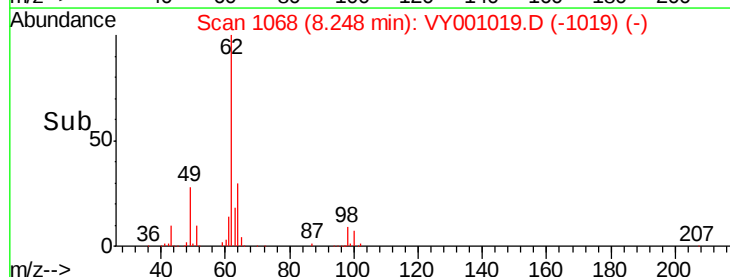
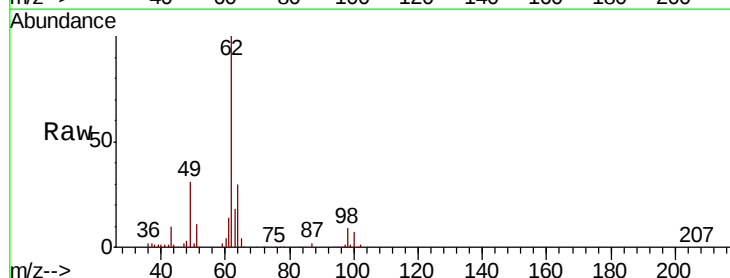
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

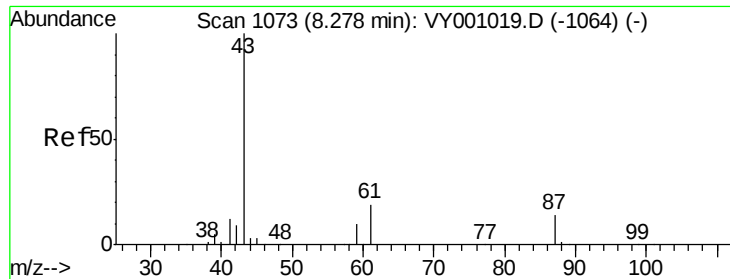
Tot Ion:	41	Resp:	191889
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 46.457 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion:	62	Resp:	194375
Ion	Ratio	Lower	Upper
62	100		
98	11.7	0.0	23.4





#43

Isopropyl Acetate

Concen: 45.820 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

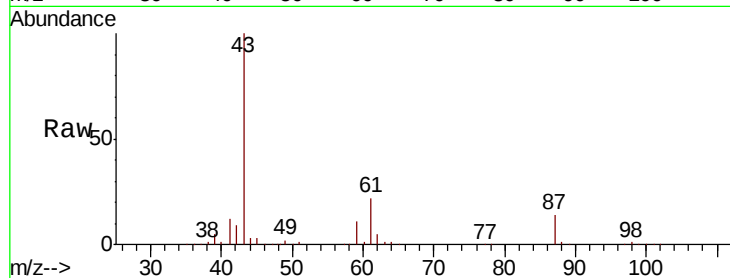
Tot Ion: 43 Resp: 271908

Ion Ratio Lower Upper

43 100

61 31.3 25.0 37.6

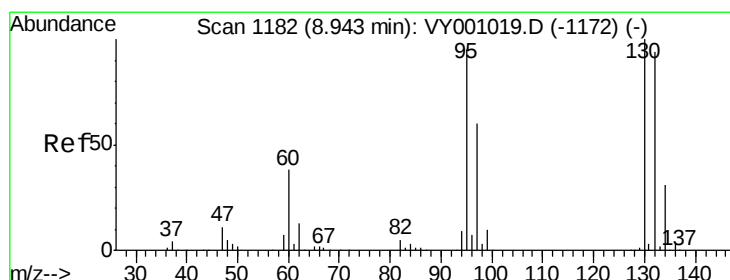
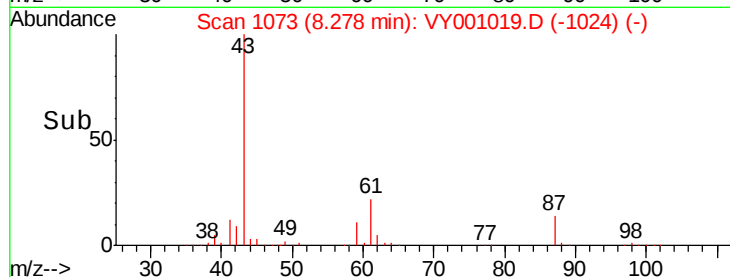
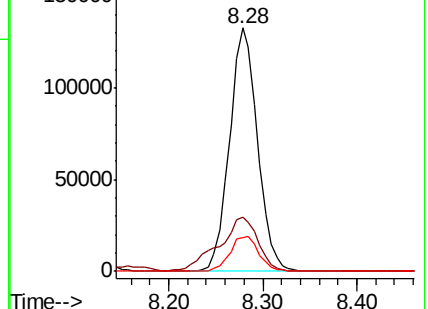
87 15.0 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY001019.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY001019.D (-1064) (-)



#44

Trichloroethene

Concen: 46.651 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY001019.D

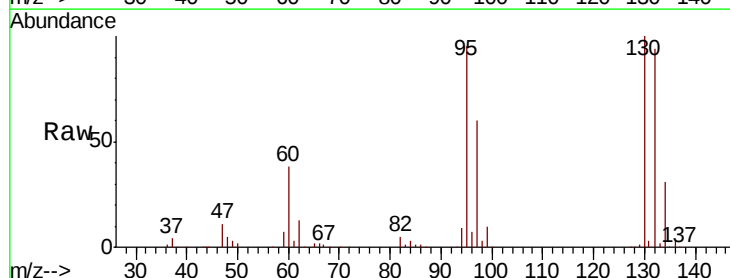
Acq: 23 Dec 2019 11:06

Tgt Ion: 130 Resp: 209067

Ion Ratio Lower Upper

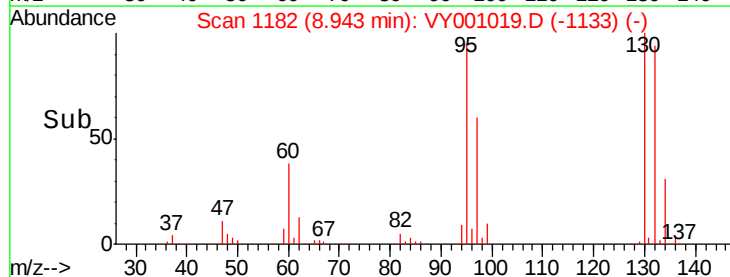
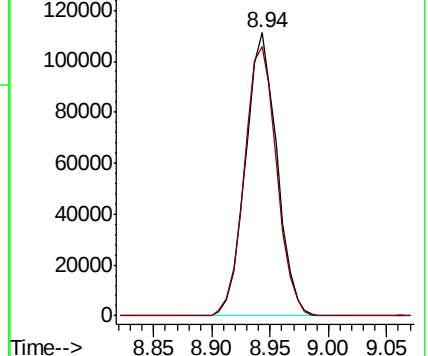
130 100

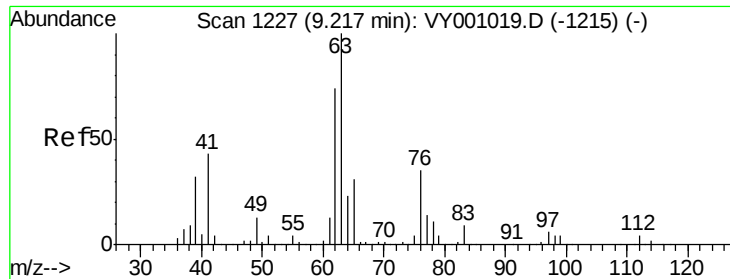
95 95.3 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VY001019.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY001019.D (-1172) (-)

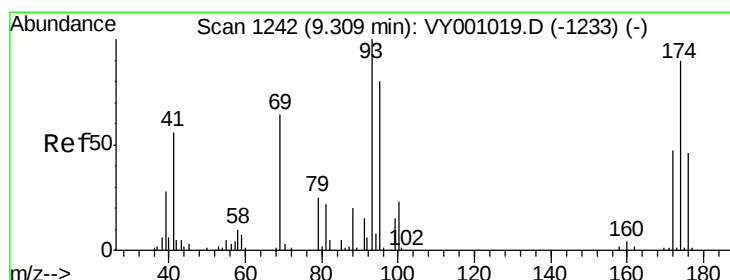
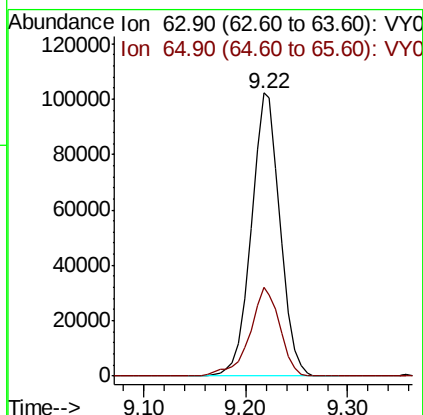
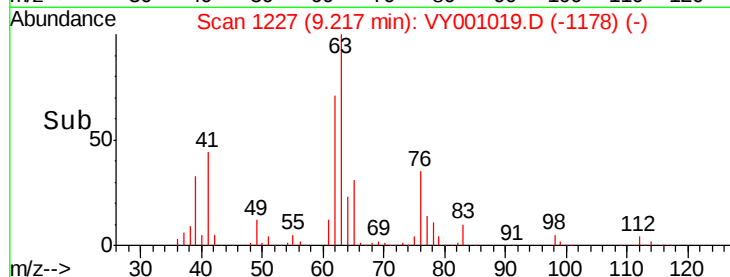
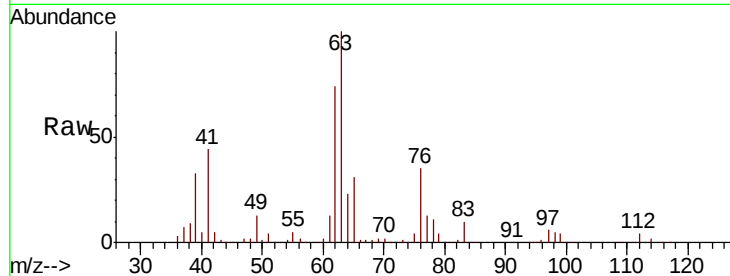




#45
 1,2-Dichloropropane
 Concen: 46.599 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

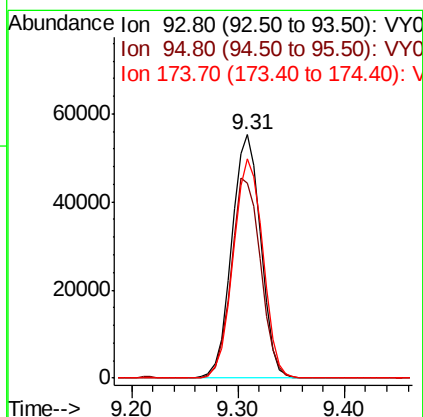
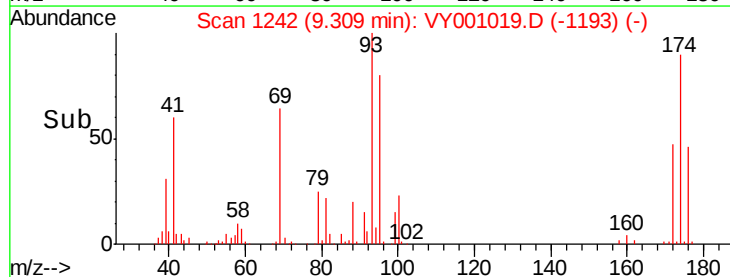
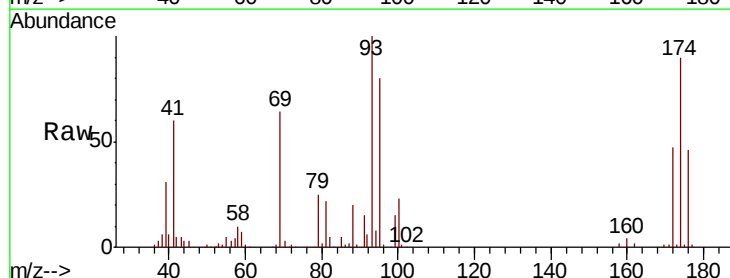
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

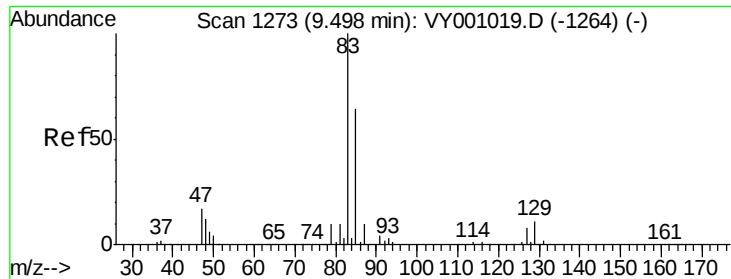
Tot Ion: 63 Resp: 200383
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.1 37.7



#46
 Dibromomethane
 Concen: 47.774 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Tgt Ion: 93 Resp: 105810
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 92.0 73.6 110.4

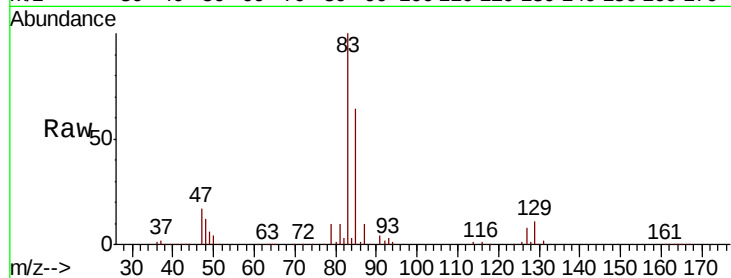




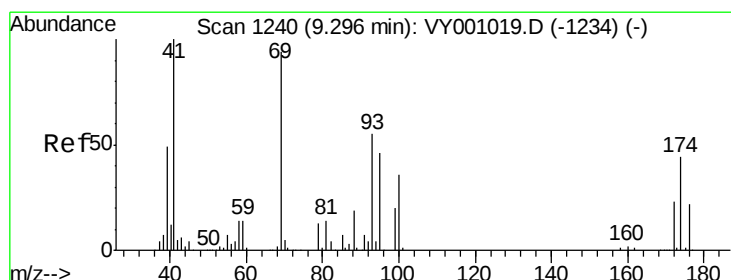
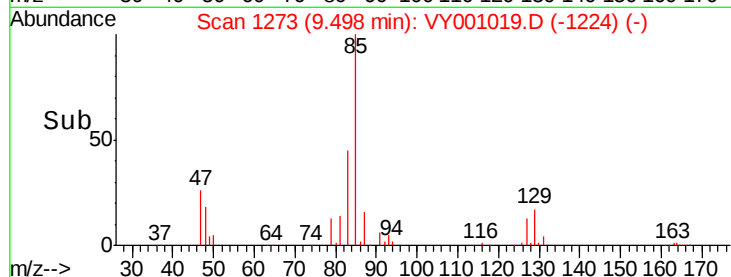
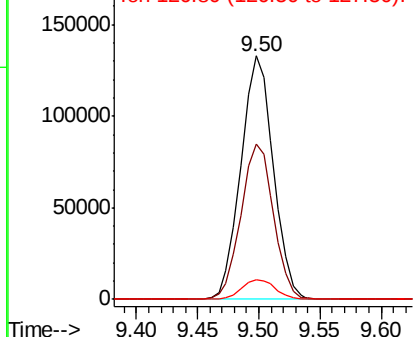
#47
Bromodichloromethane
Concen: 47.280 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 244696
Ion Ratio Lower Upper
83 100
85 63.6 50.9 76.3
127 8.0 6.4 9.6

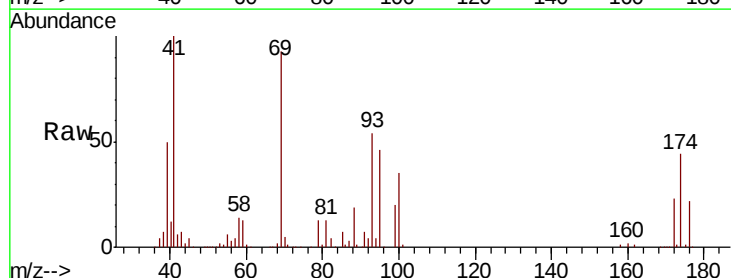


Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V

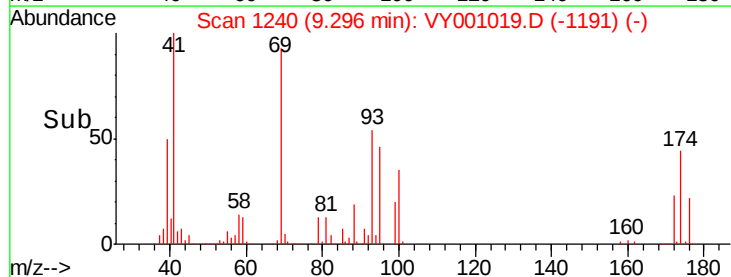
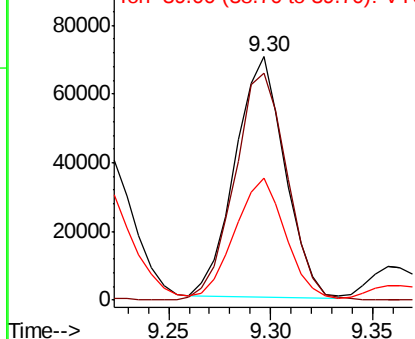


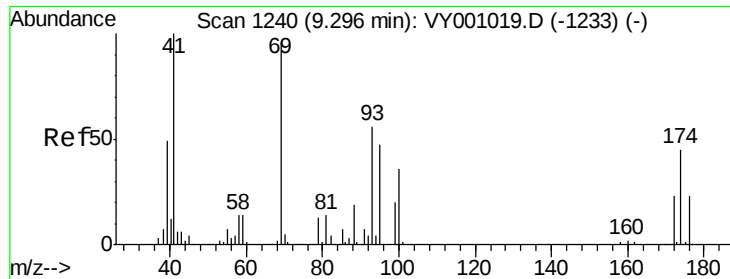
#48
Methyl methacrylate
Concen: 46.683 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion: 41 Resp: 119020
Ion Ratio Lower Upper
41 100
69 99.7 79.8 119.6
39 52.1 41.7 62.5



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 964.879 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

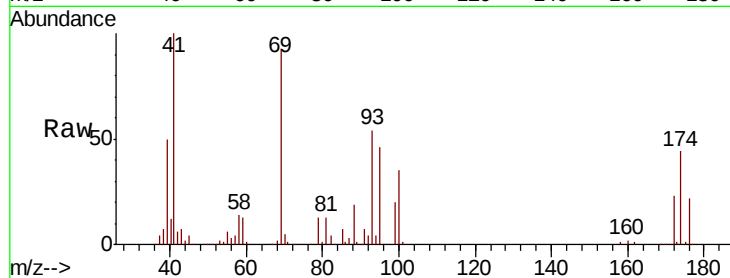
Tot Ion: 88 Resp: 30801

Ion Ratio Lower Upper

88 100

43 28.7 23.0 34.4

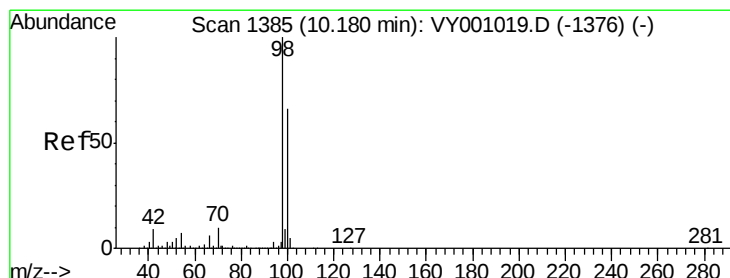
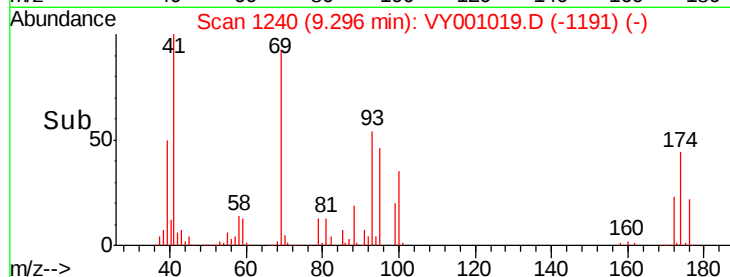
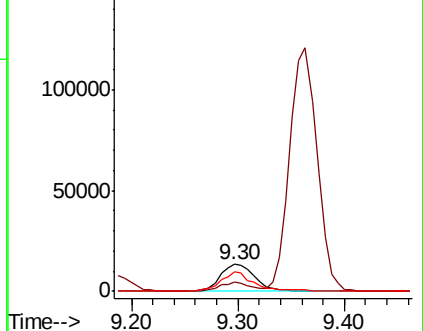
58 68.6 54.9 82.3



Abundance Ion 88.00 (87.70 to 88.70): VY001019.D (-1233) (-)

Ion 43.00 (42.70 to 43.70): VY001019.D (-1233) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-1233) (-)



#50

Toluene-d8

Concen: 50.639 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001019.D

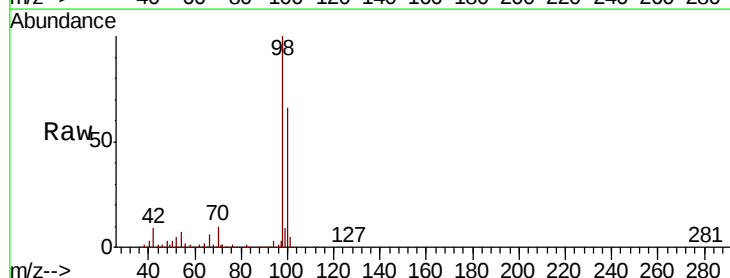
Acq: 23 Dec 2019 11:06

Tgt Ion: 98 Resp: 687071

Ion Ratio Lower Upper

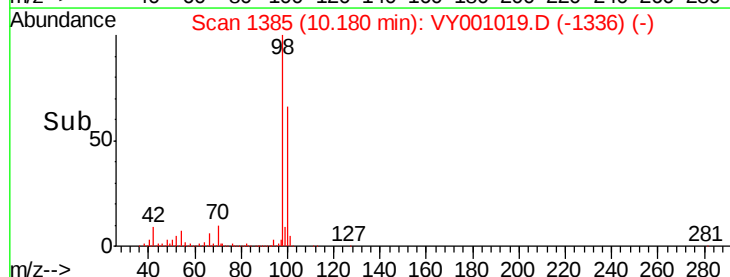
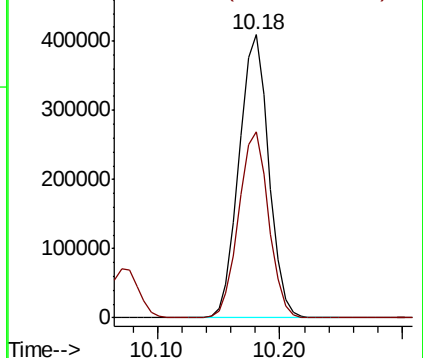
98 100

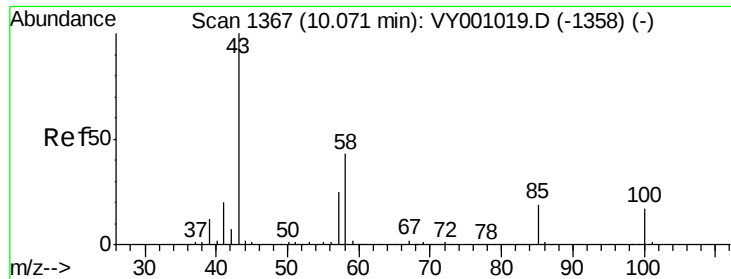
100 66.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001019.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY001019.D (-1376) (-)





#51

4-Methyl-2-Pentanone

Concen: 227.603 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

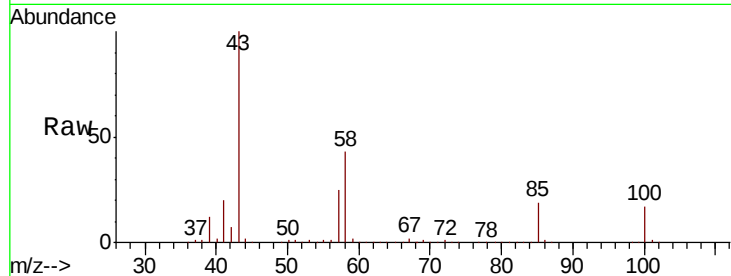
VSTDICCC050

Tot Ion: 43 Resp: 708224

Ion Ratio Lower Upper

43 100

58 43.3 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-1358) (-)

10.07

400000

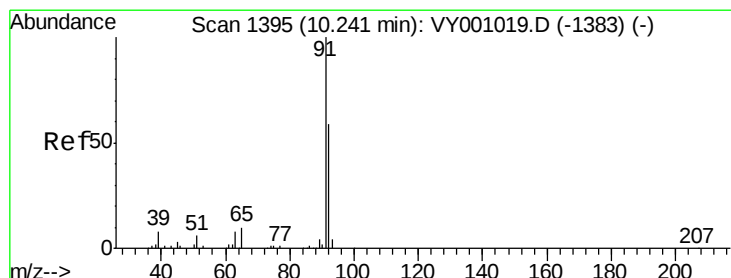
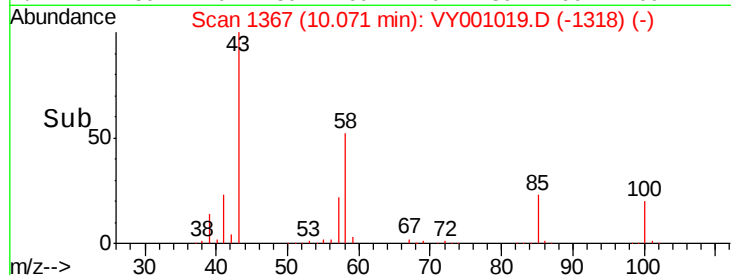
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 46.677 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001019.D

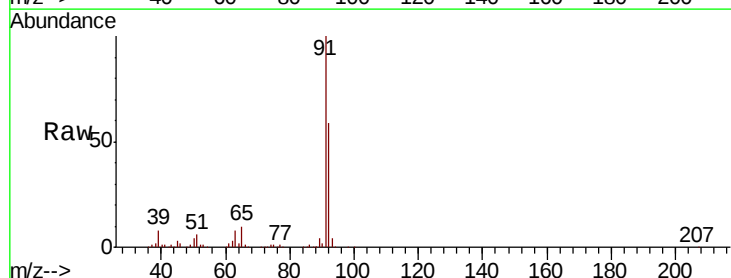
Acq: 23 Dec 2019 11:06

Tgt Ion: 92 Resp: 494870

Ion Ratio Lower Upper

92 100

91 169.6 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VY001019.D (-1383) (-)

Ion 91.00 (90.70 to 91.70): VY001019.D (-1383) (-)

10.24

500000

400000

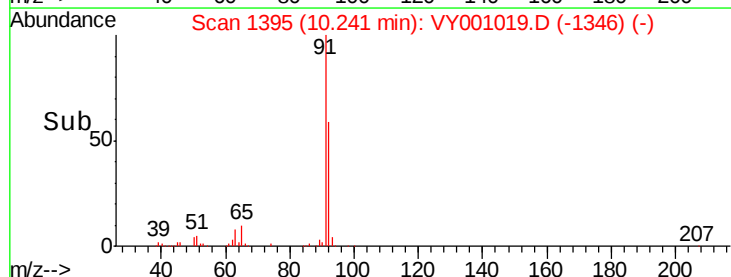
300000

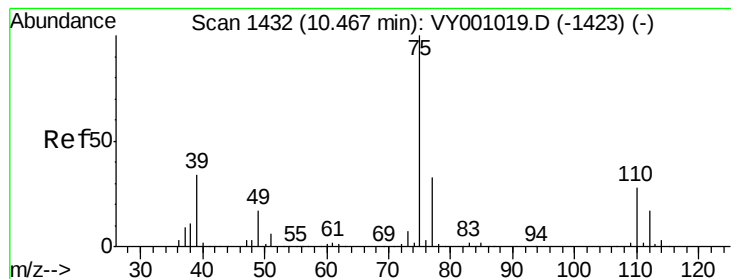
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.464 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

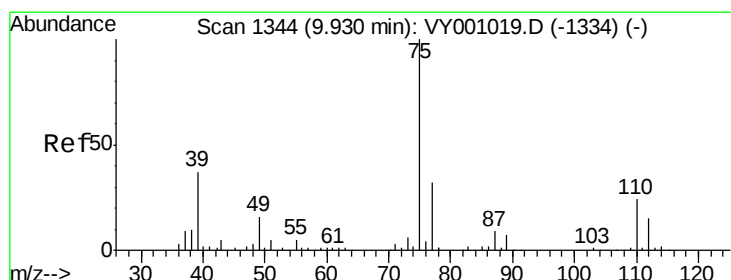
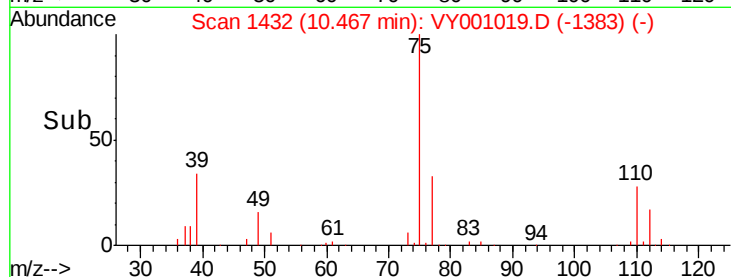
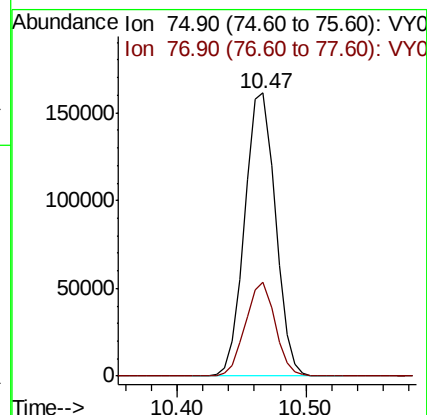
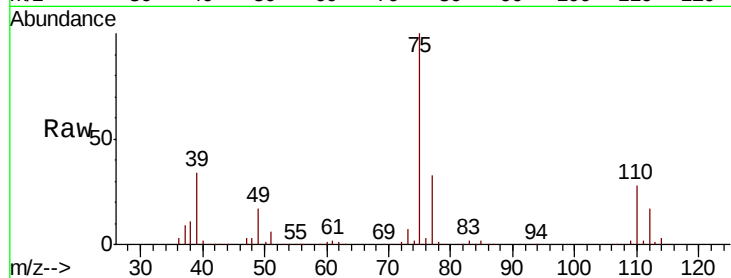
VSTDICCC050

Tot Ion: 75 Resp: 266261

Ion Ratio Lower Upper

75 100

77 33.1 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 46.750 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

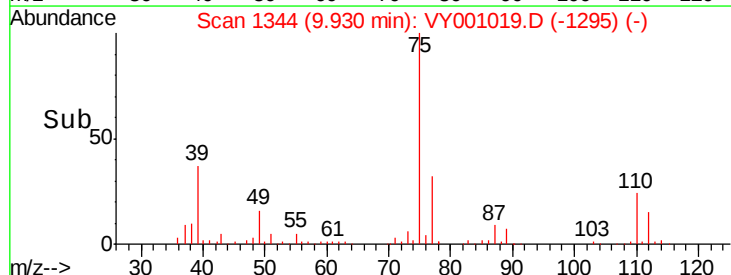
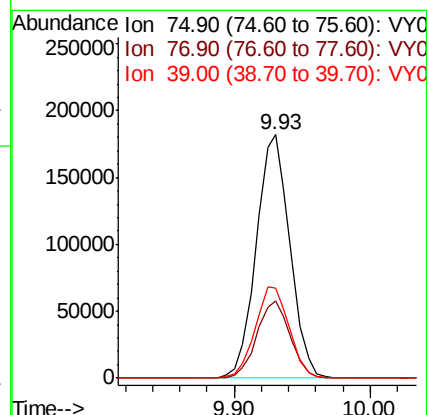
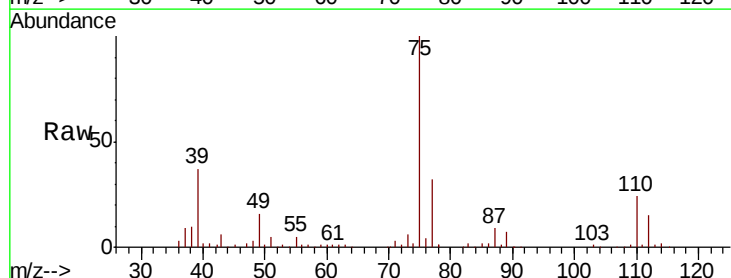
Tgt Ion: 75 Resp: 314633

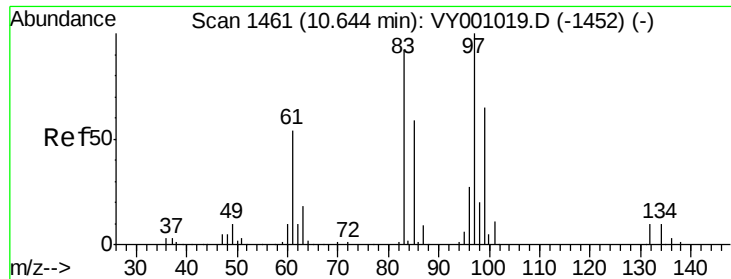
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 36.9 29.5 44.3

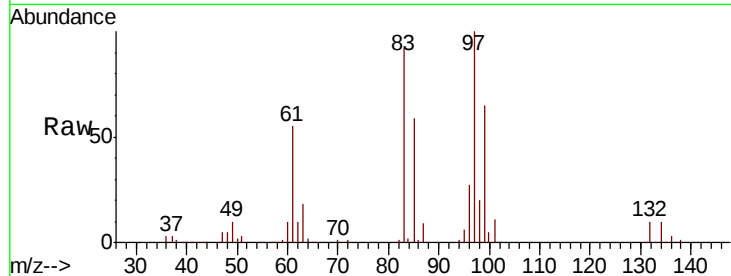




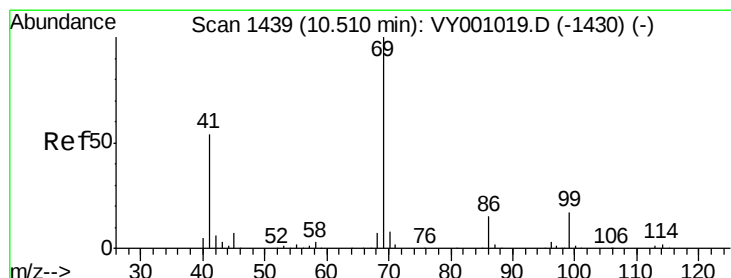
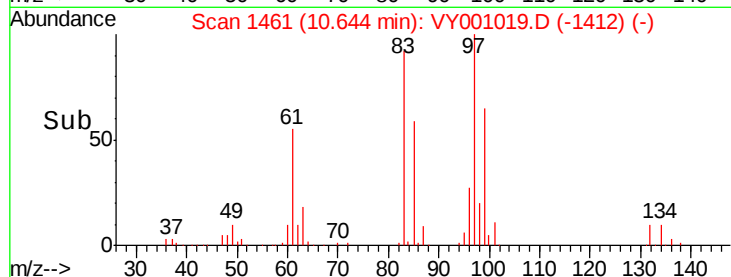
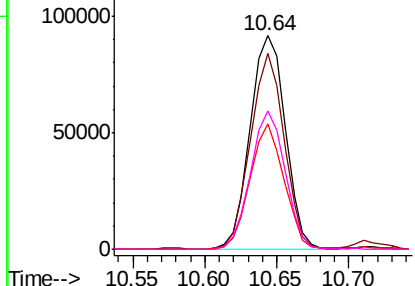
#55
 1,1,2-Trichloroethane
 Concen: 46.694 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDICCC050

Tot Ion: 97 Resp: 154538
 Ion Ratio Lower Upper
 97 100
 83 92.1 73.7 110.5
 85 59.1 47.3 70.9
 99 64.9 51.9 77.9

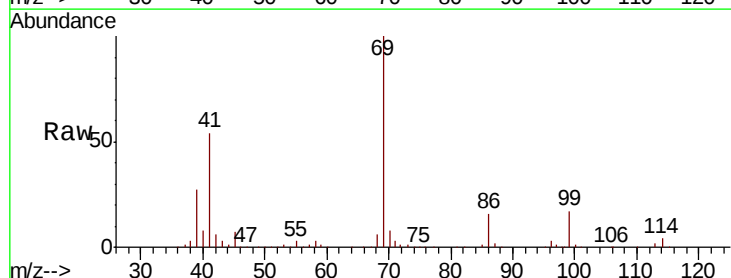


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

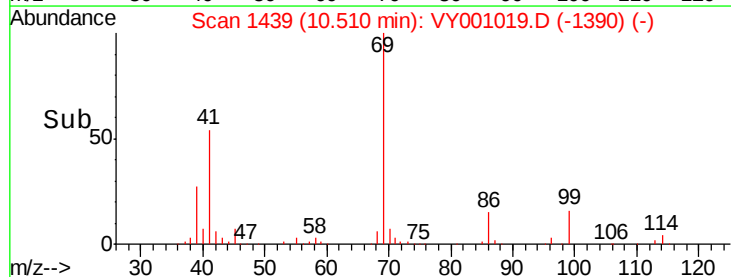
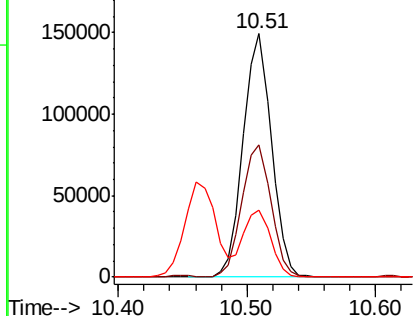


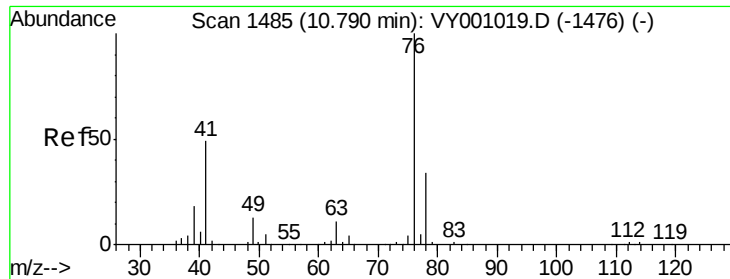
#56
 Ethyl methacrylate
 Concen: 47.884 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Tgt Ion: 69 Resp: 227024
 Ion Ratio Lower Upper
 69 100
 41 55.9 44.7 67.1
 39 27.8 22.2 33.4



Abundance Ion 69.00 (68.70 to 69.70): VY0
 Ion 41.00 (40.70 to 41.70): VY0
 Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 46.890 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

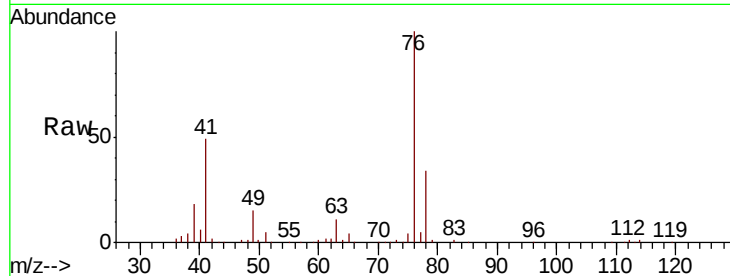
VSTDICCC050

Tot Ion: 76 Resp: 271474

Ion Ratio Lower Upper

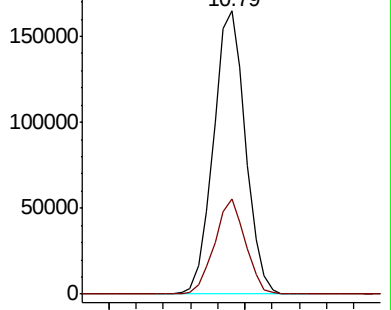
76 100

78 32.3 25.8 38.8

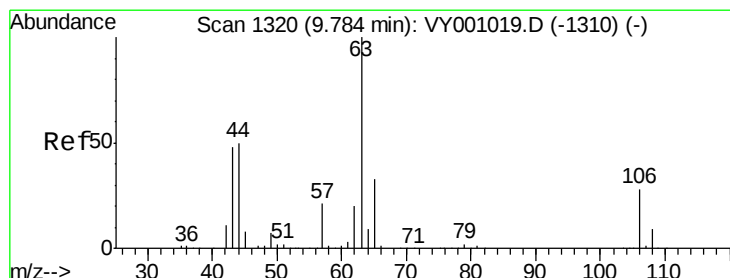
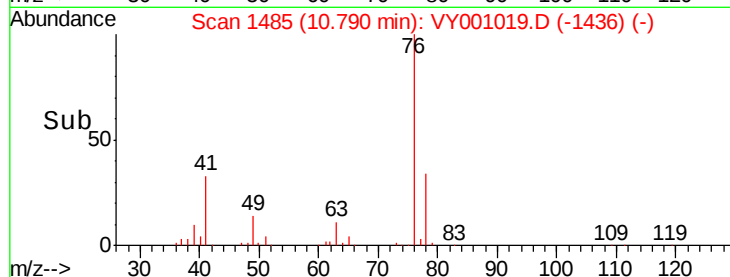


Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 206.941 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY001019.D

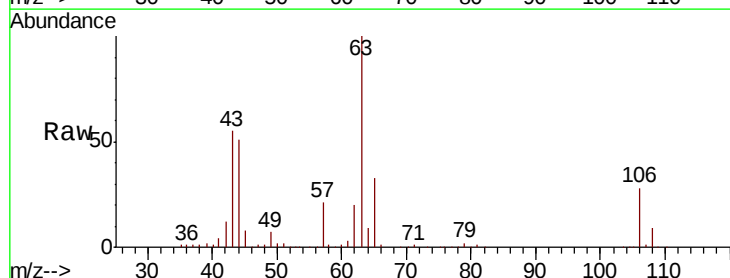
Acq: 23 Dec 2019 11:06

Tgt Ion: 63 Resp: 380681

Ion Ratio Lower Upper

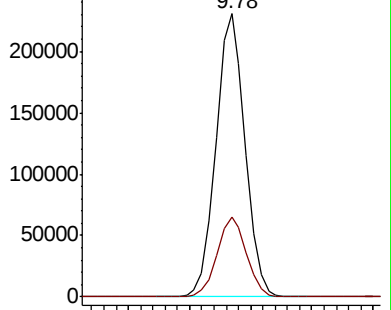
63 100

106 28.4 22.7 34.1

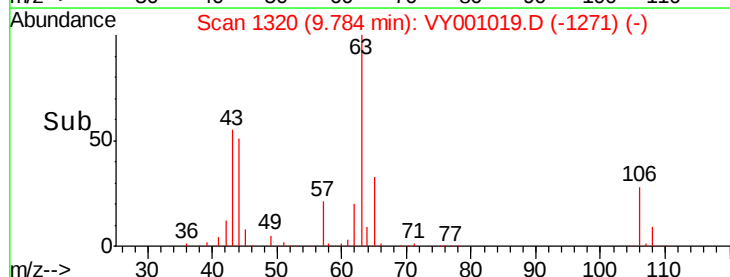


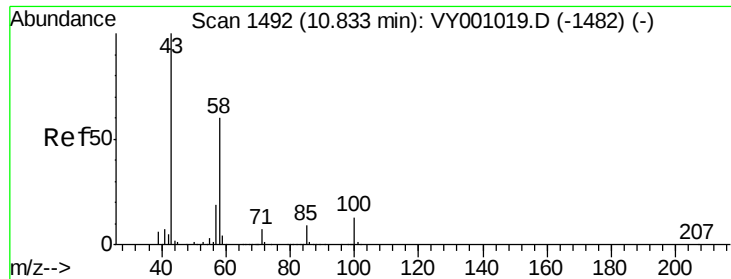
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V



Time-->

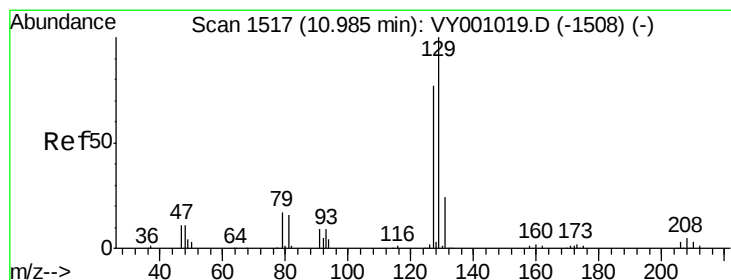
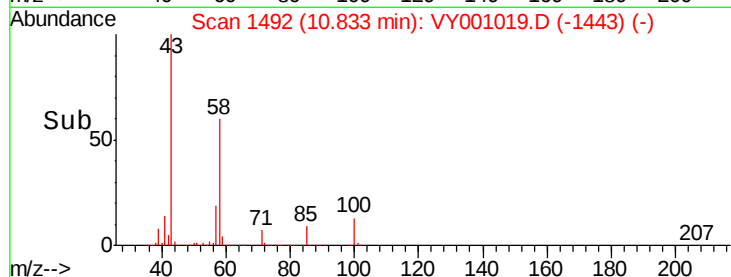
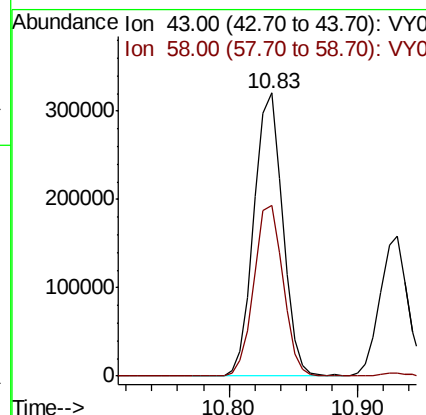
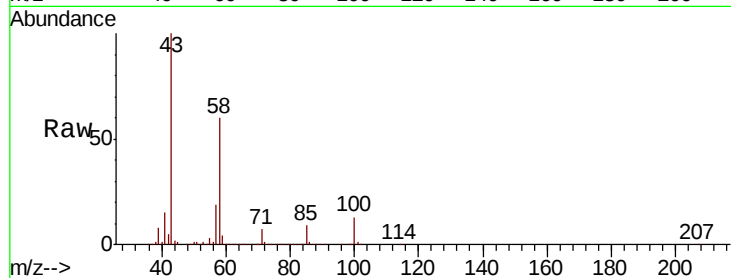




#59
2-Hexanone
Concen: 225.019 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

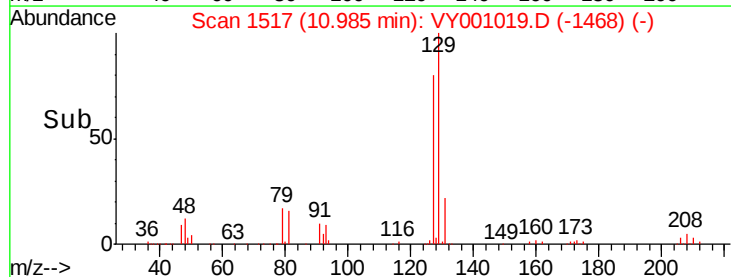
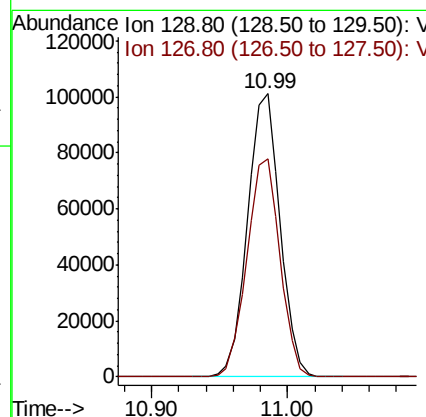
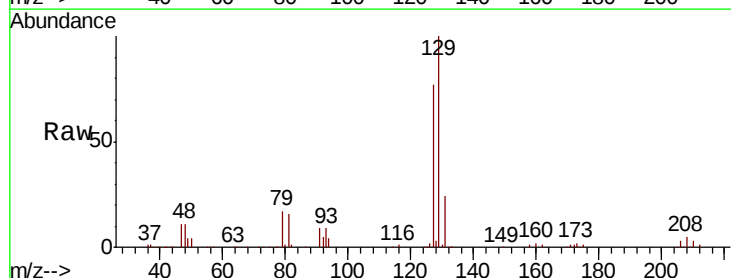
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

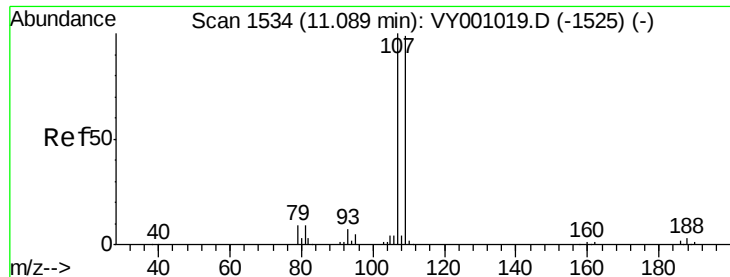
Tot Ion: 43 Resp: 492295
Ion Ratio Lower Upper
43 100
58 61.1 30.6 91.6



#60
Dibromochloromethane
Concen: 47.899 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion: 129 Resp: 169556
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3

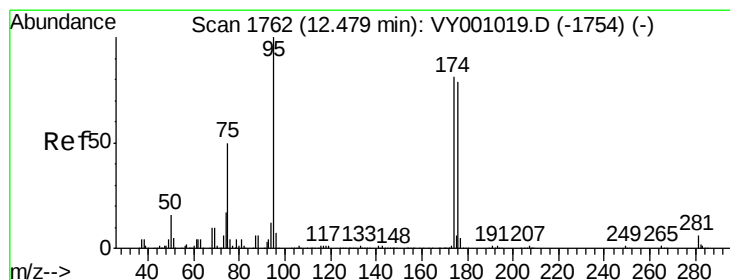
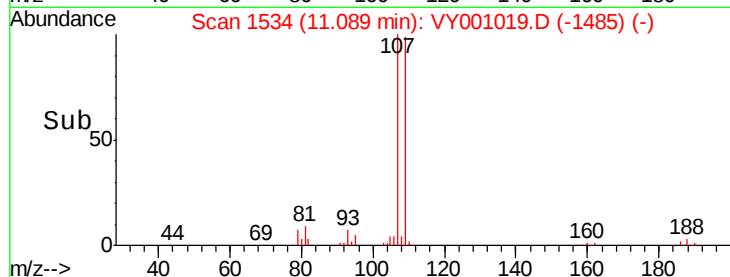
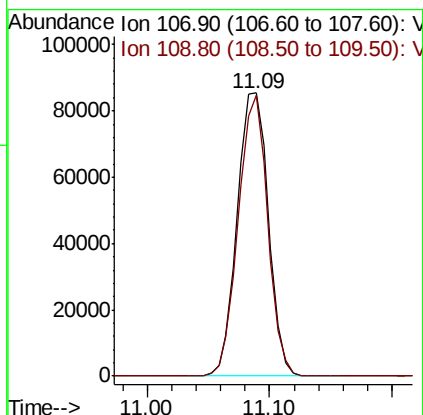
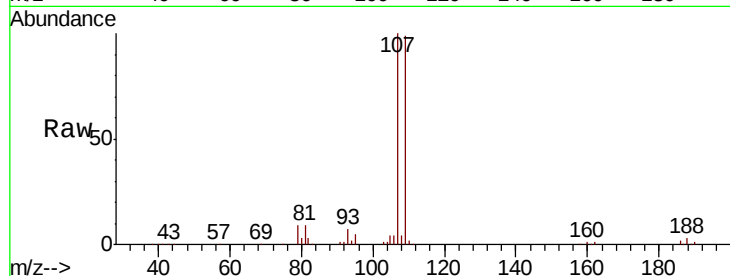




#61
 1,2-Dibromoethane
 Concen: 48.148 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

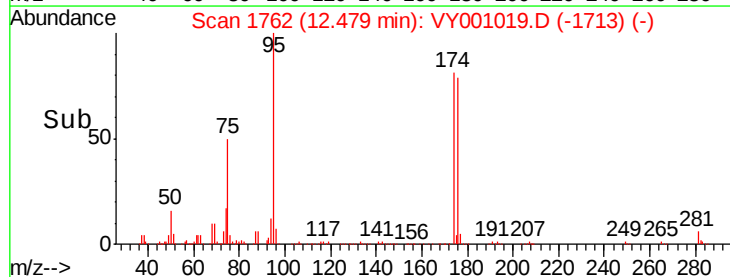
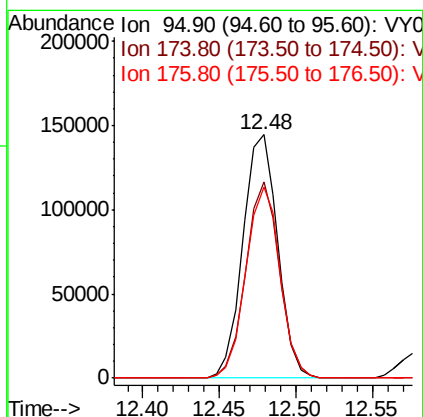
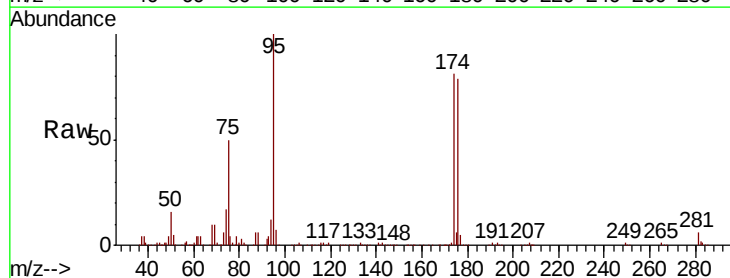
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

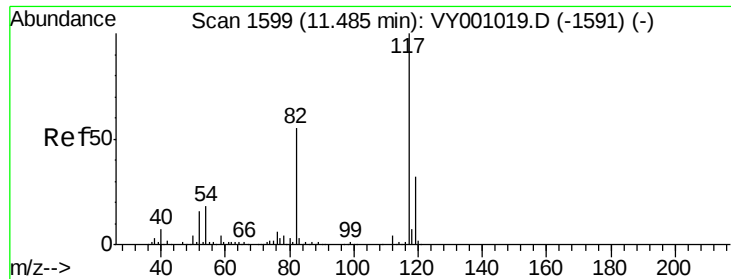
Tot Ion:107 Resp: 150874
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 45.518 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Tgt Ion: 95 Resp: 228048
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 156.4
 176 77.5 0.0 155.0

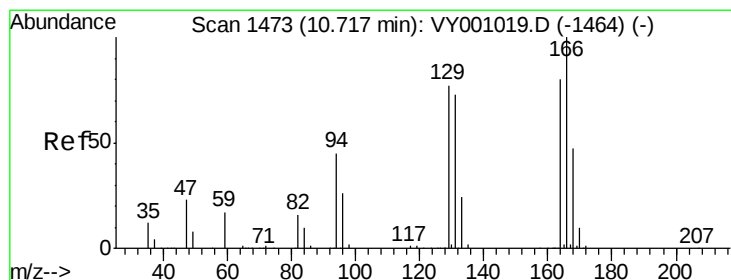
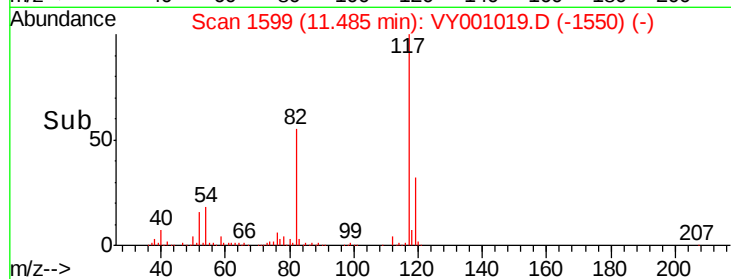
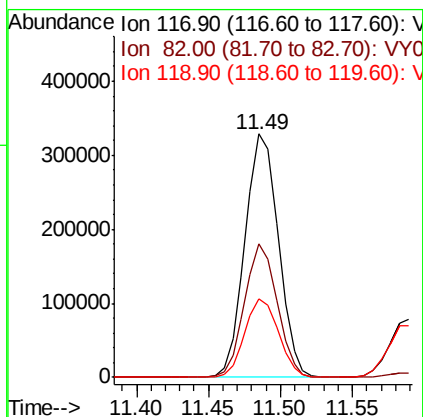
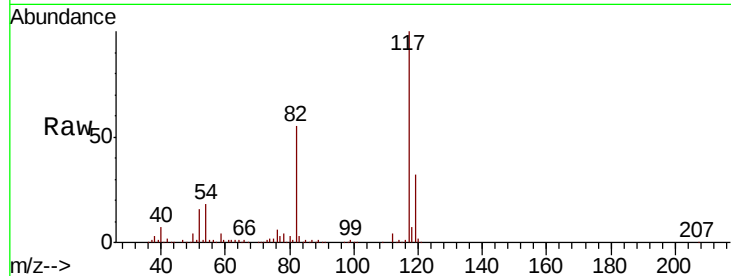




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

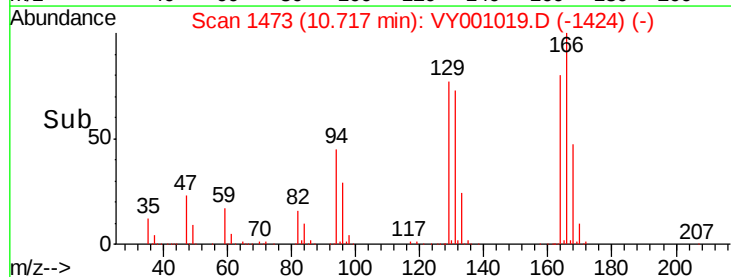
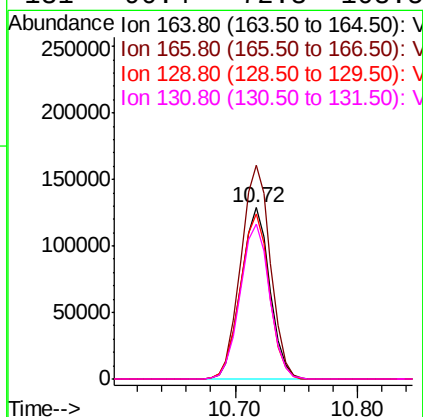
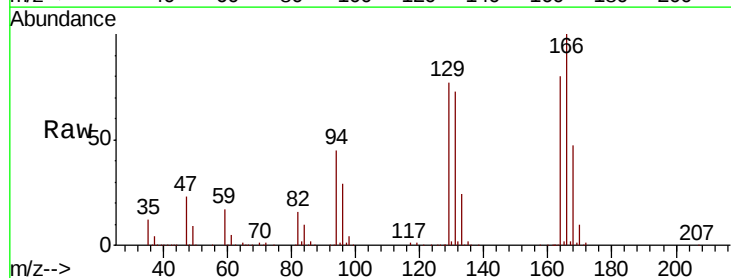
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

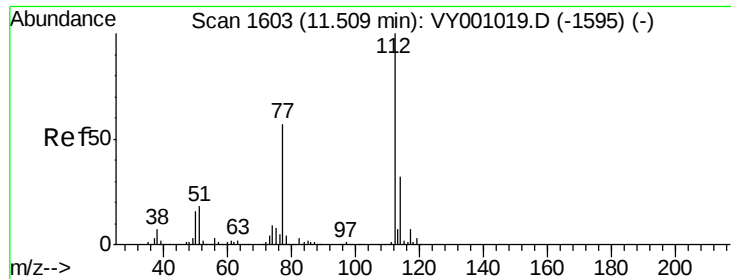
Tot Ion:117 Resp: 529380
Ion Ratio Lower Upper
117 100
82 54.8 43.8 65.8
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 45.878 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion:164 Resp: 210854
Ion Ratio Lower Upper
164 100
166 124.6 99.7 149.5
129 96.1 76.9 115.3
131 90.4 72.3 108.5

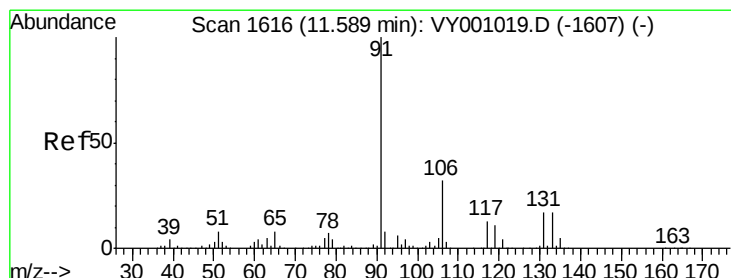
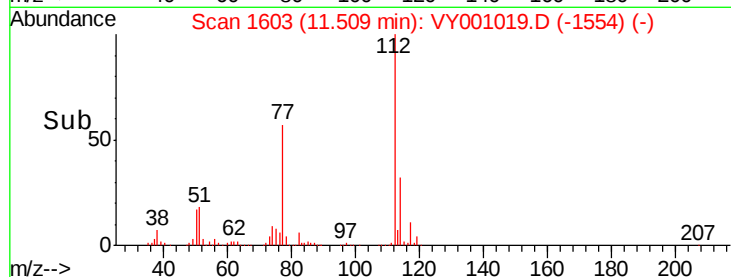
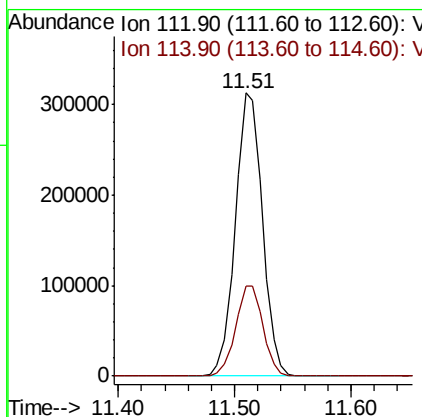
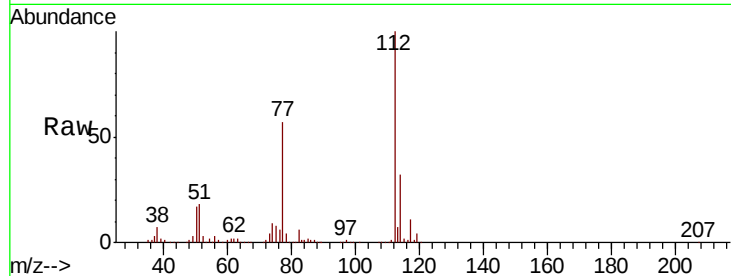




#65
Chlorobenzene
Concen: 45.809 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

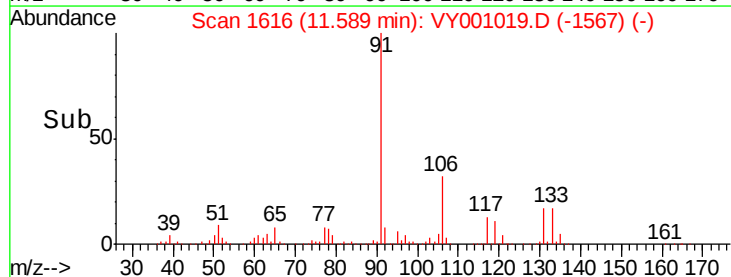
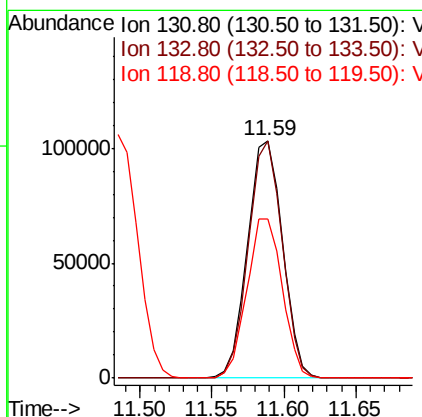
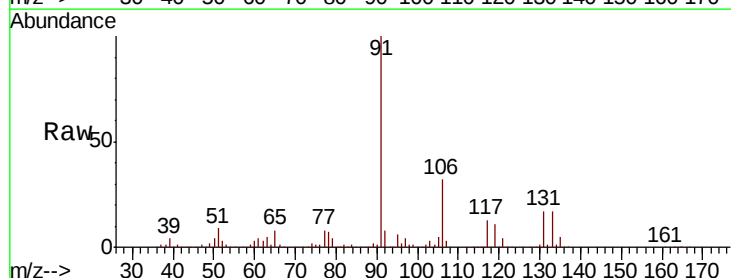
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

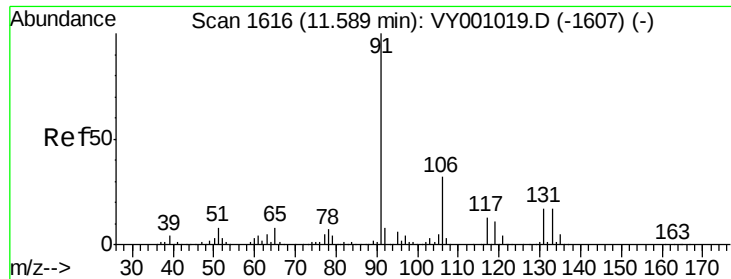
Tot Ion:112 Resp: 507535
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 47.400 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion:131 Resp: 173616
Ion Ratio Lower Upper
131 100
133 96.3 48.1 144.4
119 67.9 34.0 101.8

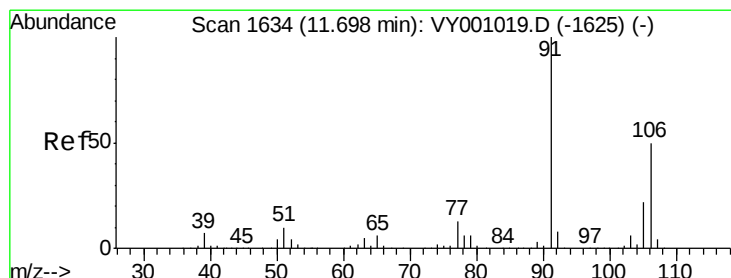
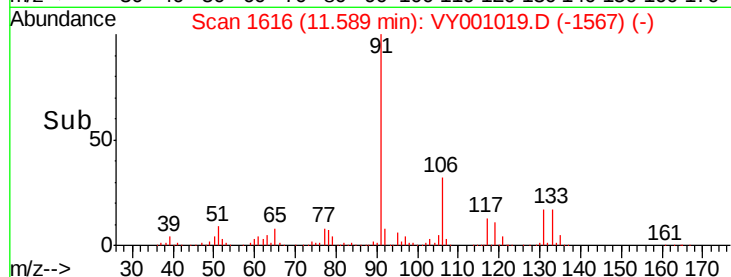
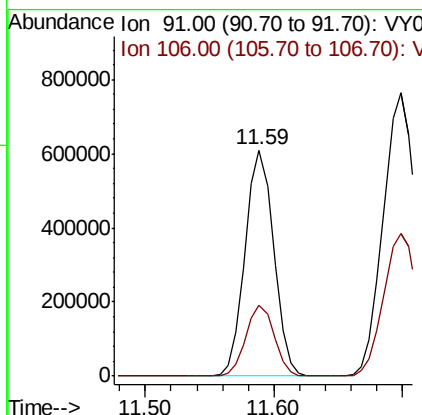
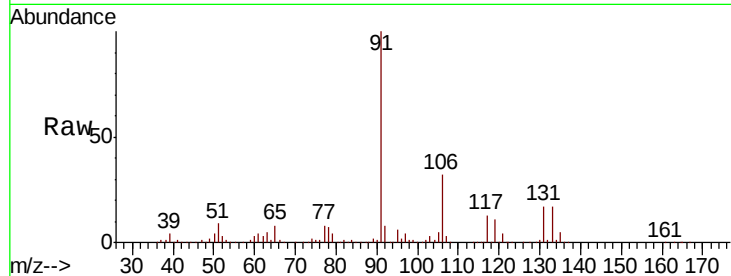




#67
Ethyl Benzene
Concen: 46.300 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

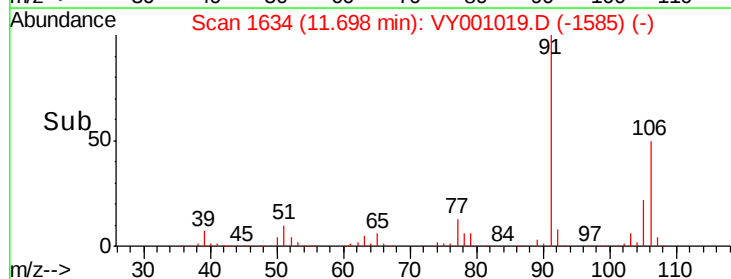
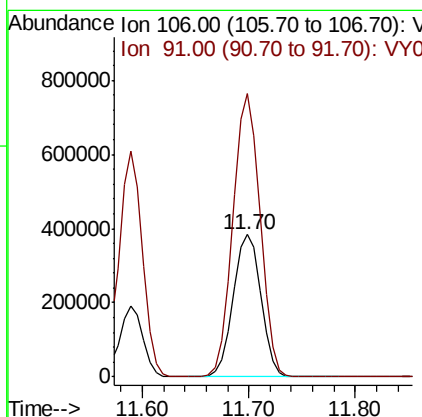
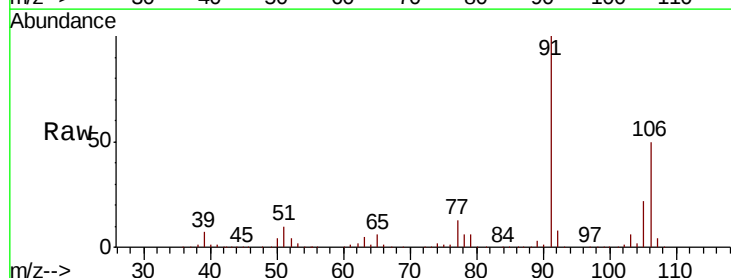
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

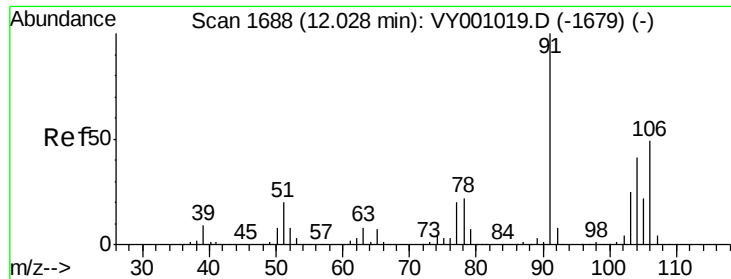
Tot Ion: 91 Resp: 931567
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9



#68
m/p-Xylenes
Concen: 92.568 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion: 106 Resp: 702969
Ion Ratio Lower Upper
106 100
91 195.5 156.4 234.6

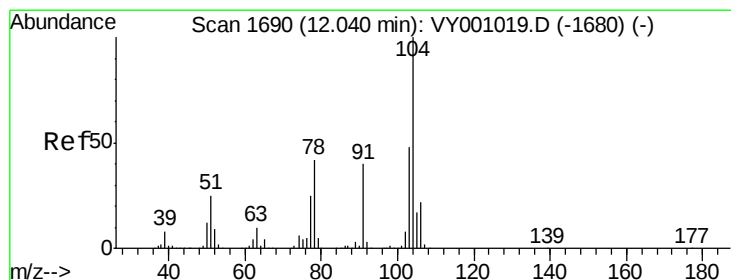
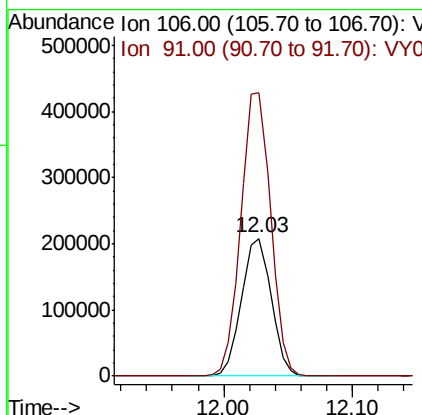
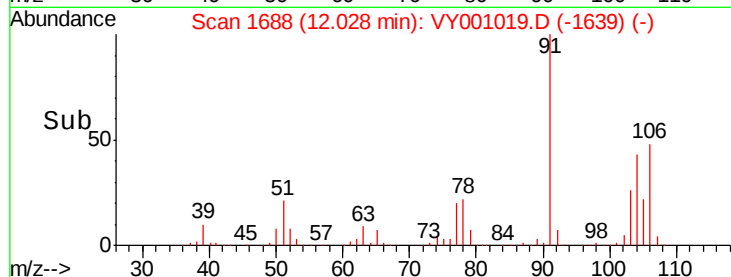
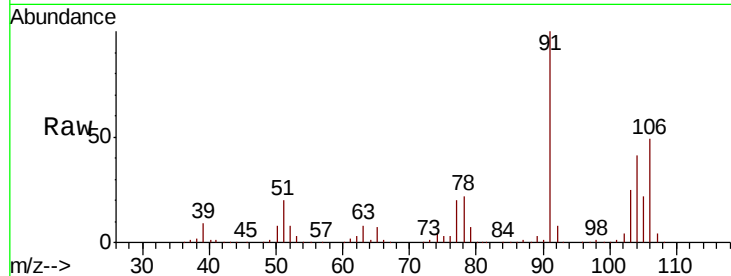




#69
o-Xylene
Concen: 46.452 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

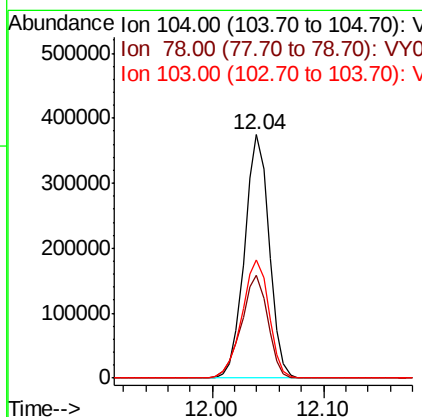
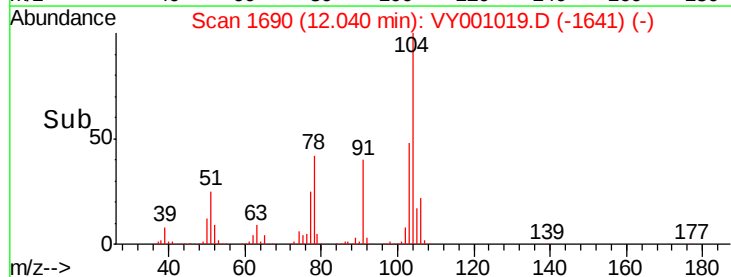
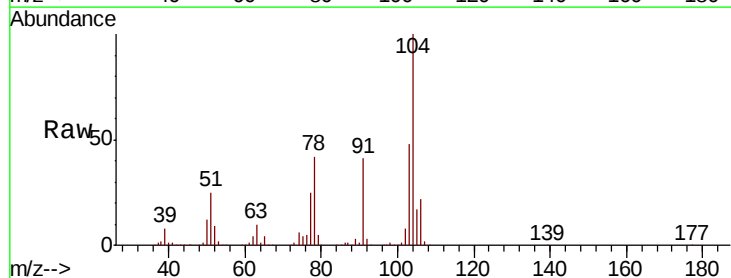
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

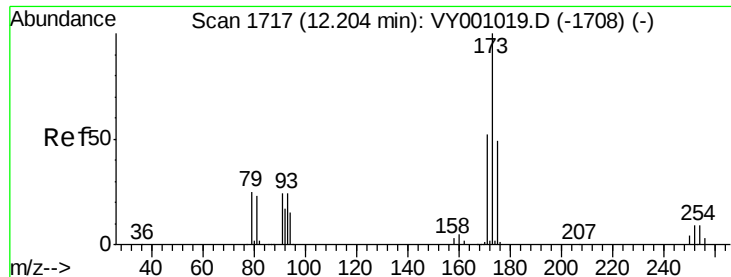
Tot Ion:106 Resp: 332626
Ion Ratio Lower Upper
106 100
91 206.0 103.0 309.0



#70
Styrene
Concen: 47.155 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion:104 Resp: 573836
Ion Ratio Lower Upper
104 100
78 45.7 36.6 54.8
103 53.3 42.6 64.0





#71

Bromoform

Concen: 48.579 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

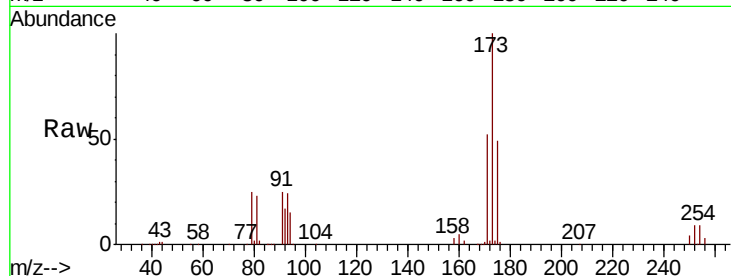
Tot Ion:173 Resp: 99092

Ion Ratio Lower Upper

173 100

175 49.0 24.5 73.5

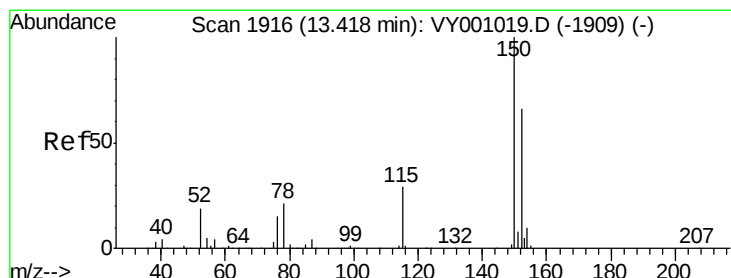
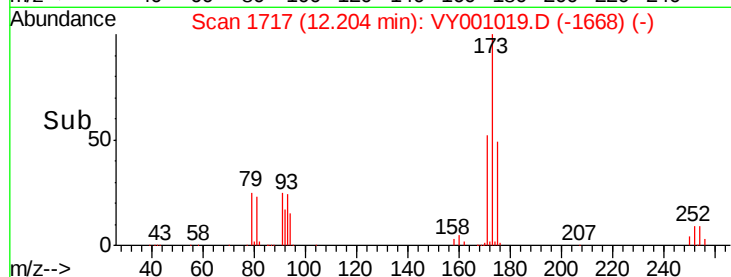
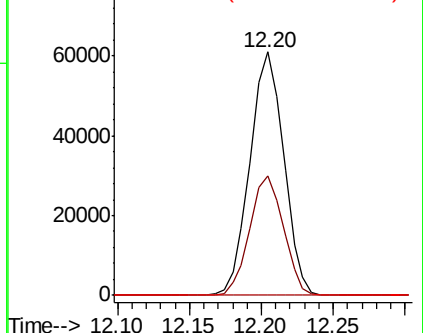
254 0.0 0.0 0.0



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: 13.42 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

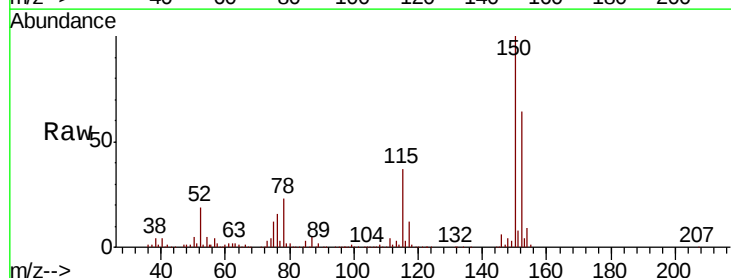
Tgt Ion:152 Resp: 244538

Ion Ratio Lower Upper

152 100

115 59.5 29.8 89.3

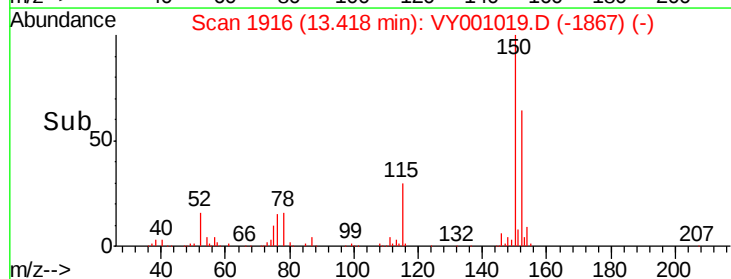
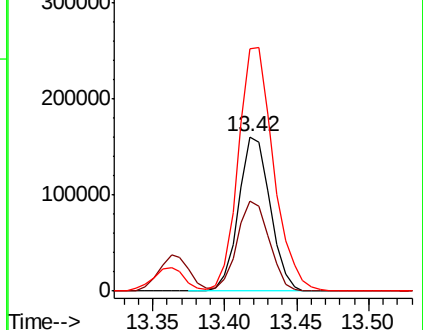
150 176.3 0.0 352.6

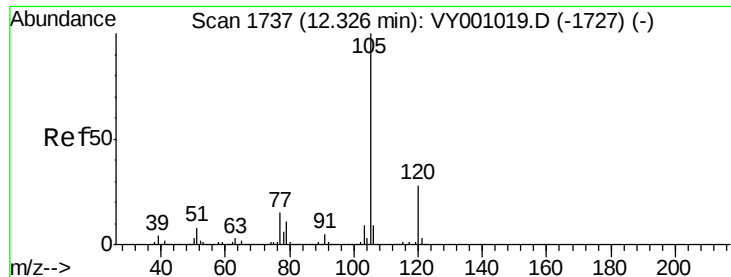


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.590 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

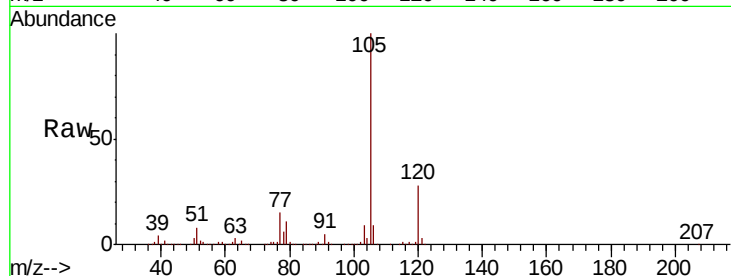
VSTDICCC050

Tot Ion:105 Resp: 882817

Ion Ratio Lower Upper

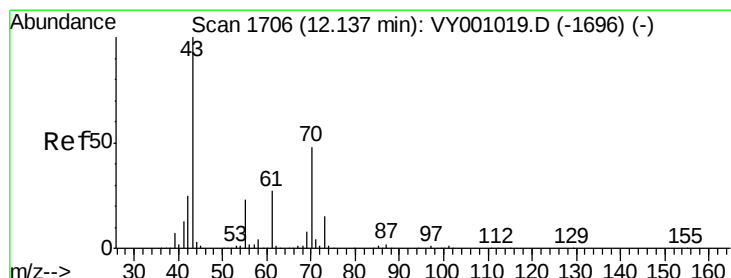
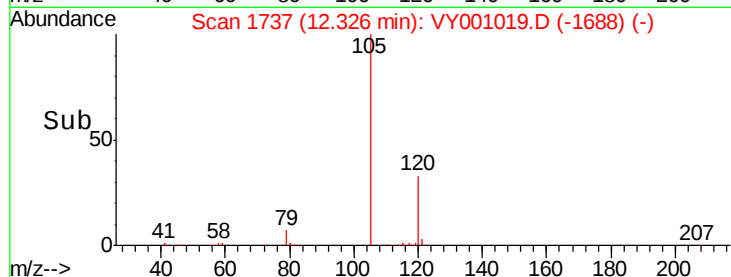
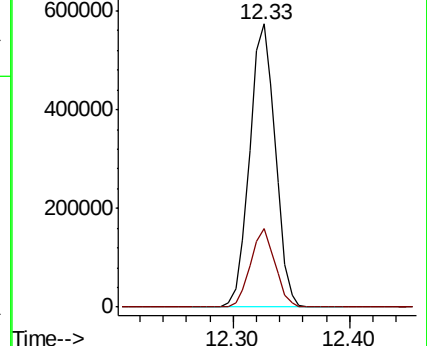
105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.218 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Tgt Ion: 43 Resp: 237545

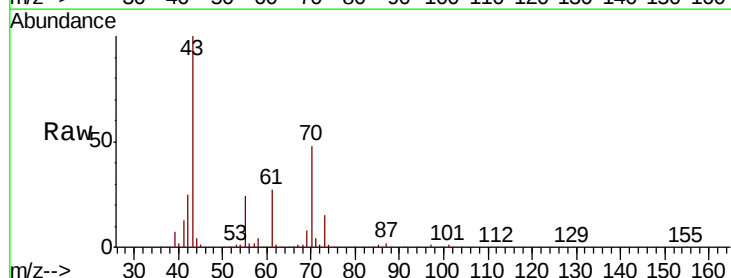
Ion Ratio Lower Upper

43 100

70 48.8 39.0 58.6

55 24.4 19.5 29.3

61 27.5 22.0 33.0

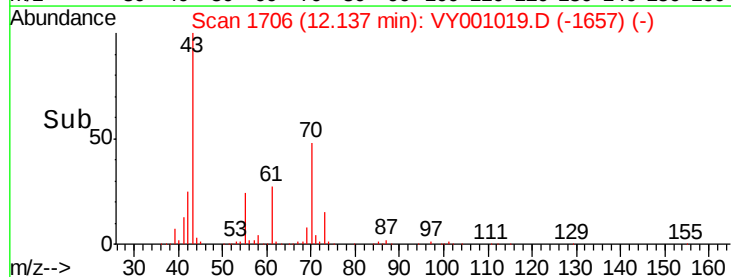
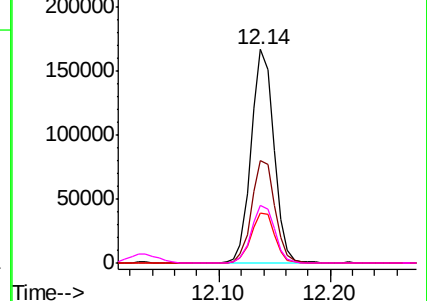


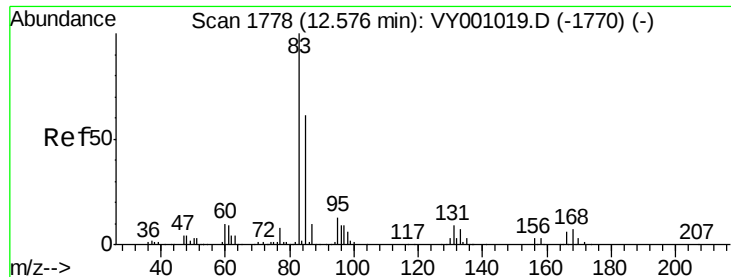
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.126 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

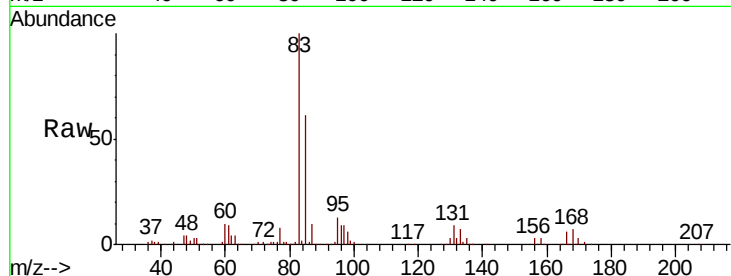
Tot Ion: 83 Resp: 174712

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

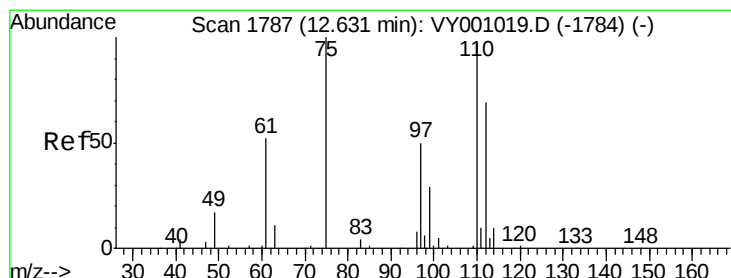
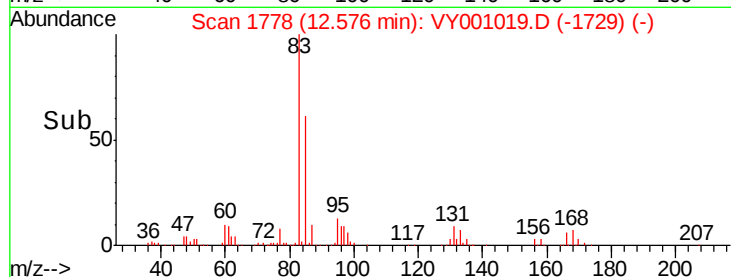
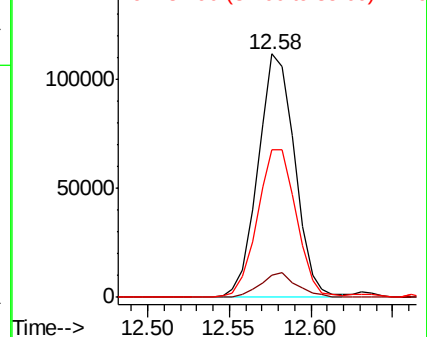
85 64.3 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 58.117 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001019.D

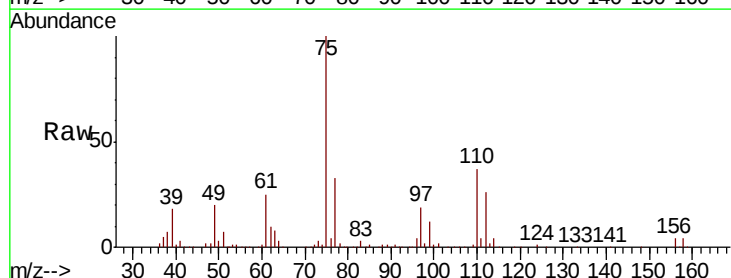
Acq: 23 Dec 2019 11:06

Tgt Ion: 75 Resp: 241326

Ion Ratio Lower Upper

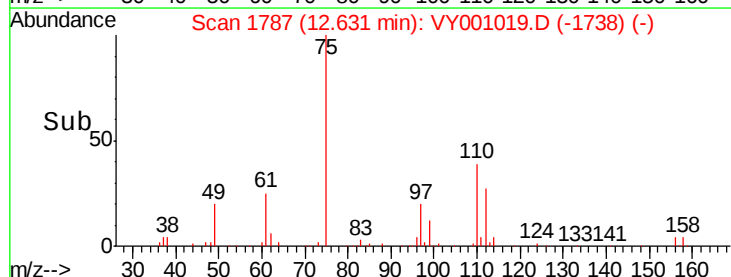
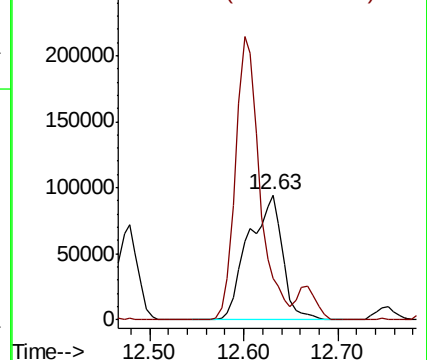
75 100

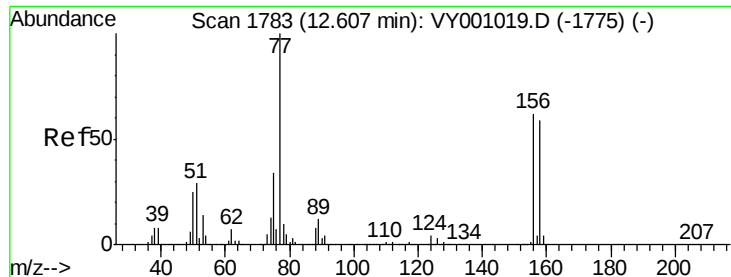
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 45.727 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001019.D

Acq: 23 Dec 2019 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

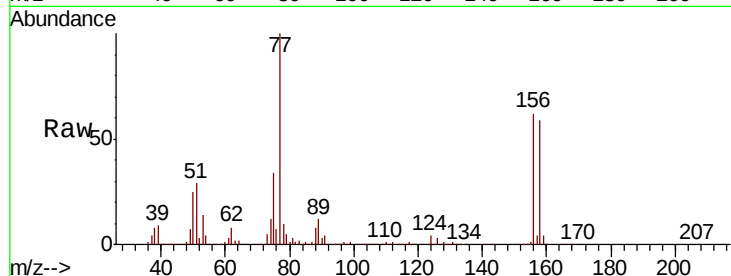
Tot Ion:156 Resp: 196693

Ion Ratio Lower Upper

156 100

77 196.1 98.0 294.1

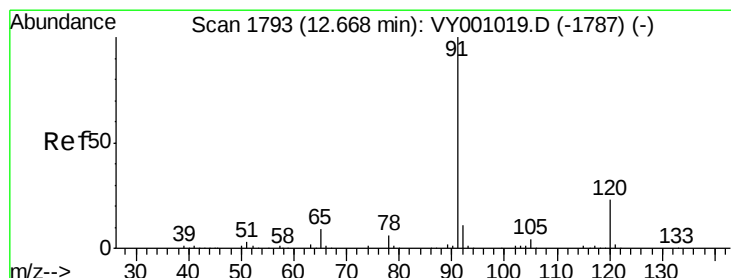
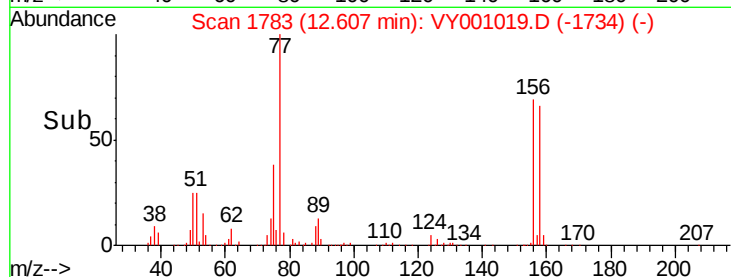
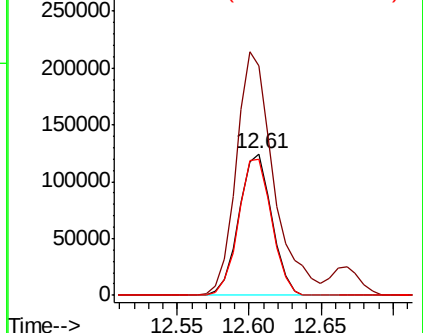
158 97.1 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.221 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001019.D

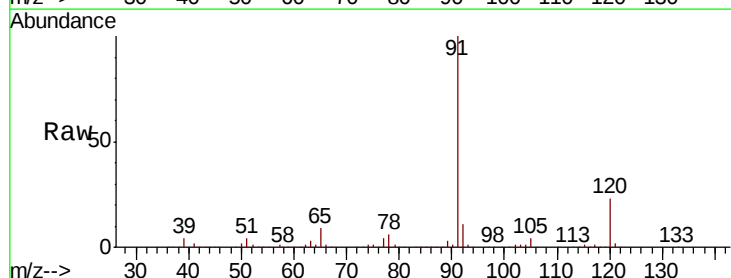
Acq: 23 Dec 2019 11:06

Tgt Ion: 91 Resp: 1064600

Ion Ratio Lower Upper

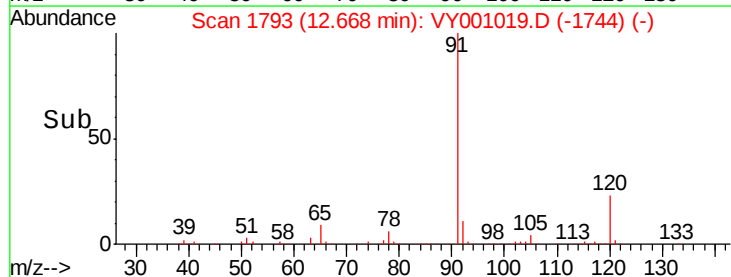
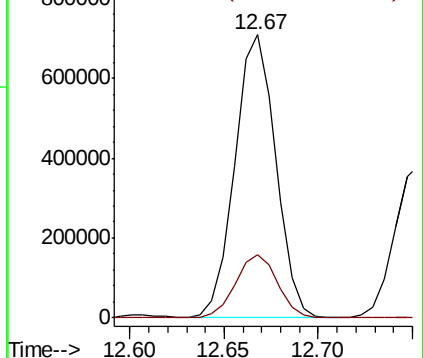
91 100

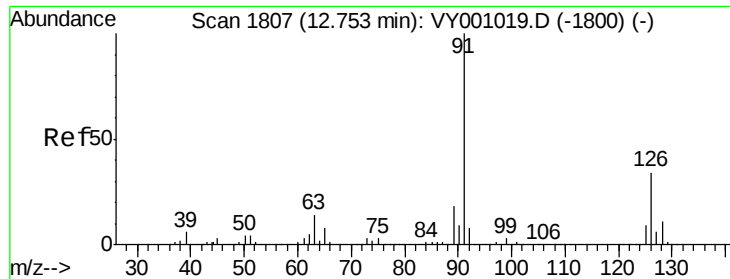
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

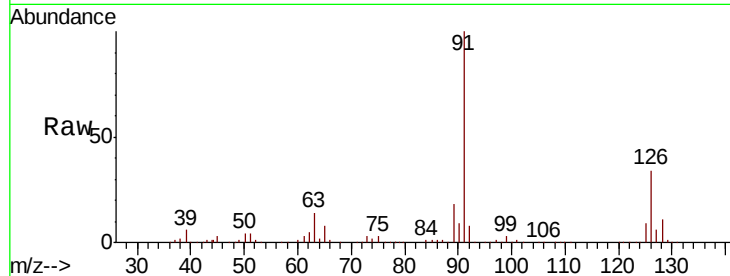




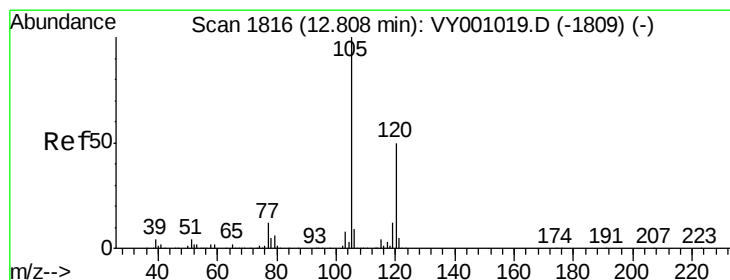
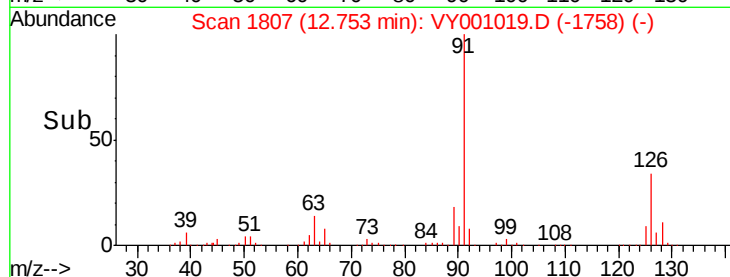
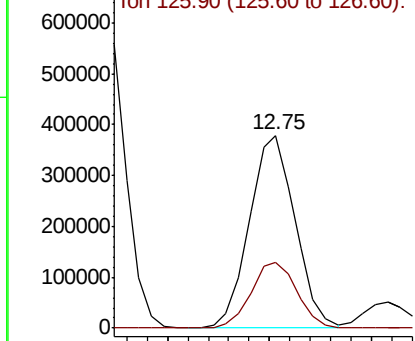
#79
 2-Chlorotoluene
 Concen: 45.119 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 587882
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.3 51.7

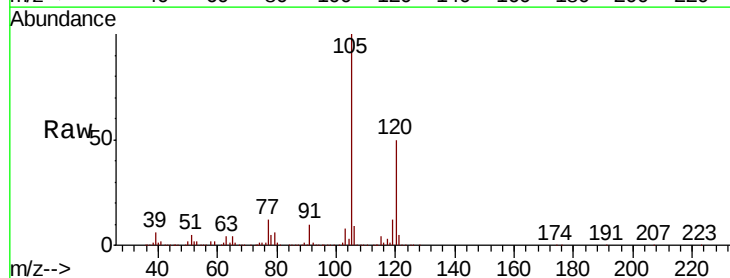


Abundance Ion 91.00 (90.70 to 91.70): VY001019.D (-1800) (-)
 Ion 125.90 (125.60 to 126.60): VY001019.D (-1800) (-)

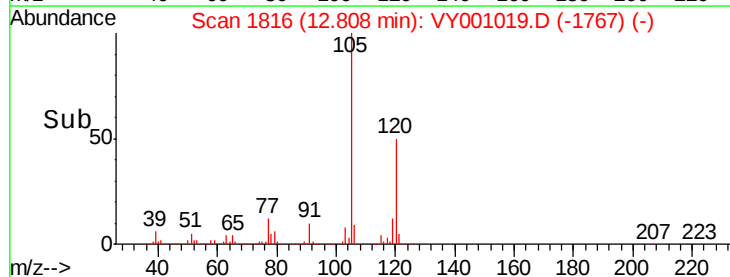
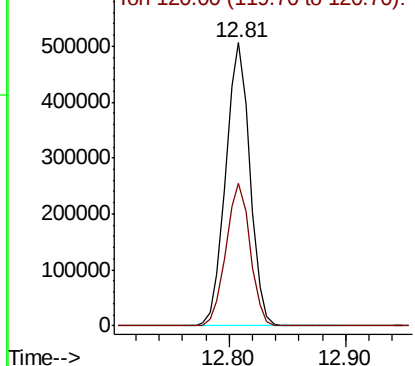


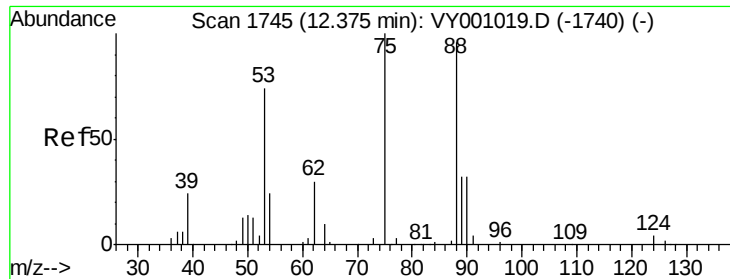
#80
 1,3,5-Trimethylbenzene
 Concen: 45.900 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Tgt Ion: 105 Resp: 727137
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY001019.D (-1809) (-)
 Ion 120.00 (119.70 to 120.70): VY001019.D (-1809) (-)

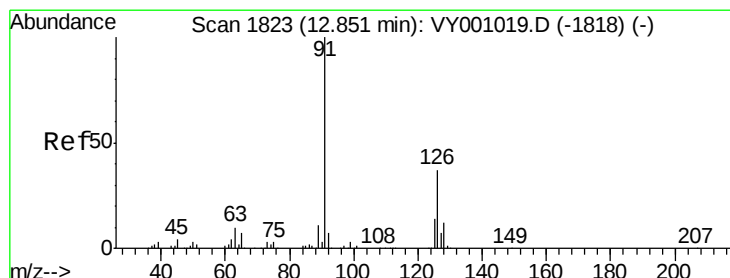
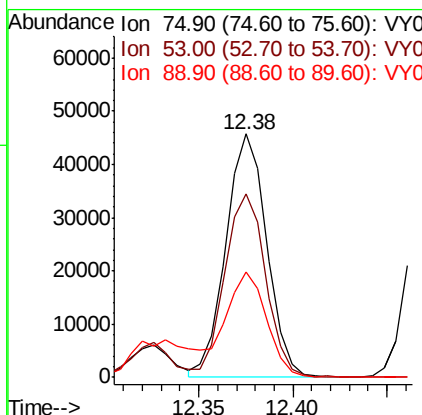
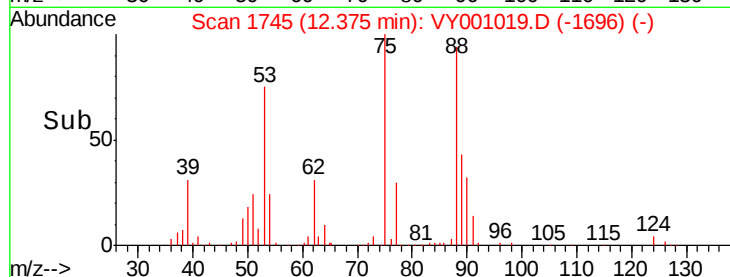
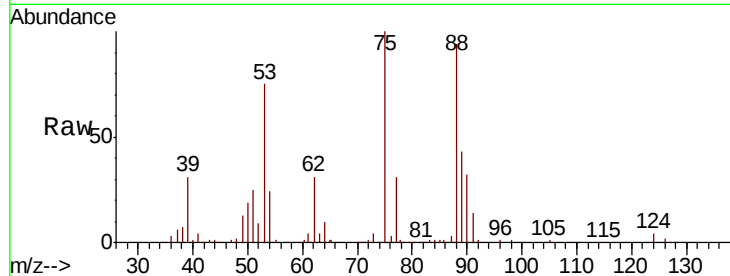




#81
trans-1,4-Dichloro-2-butene
Concen: 47.546 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

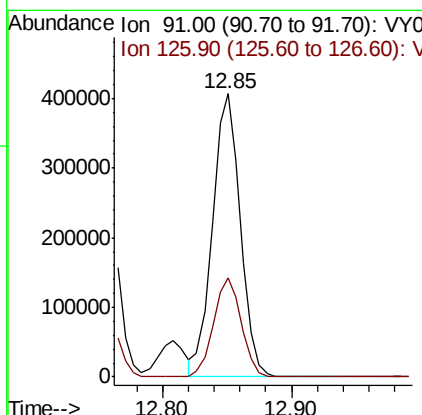
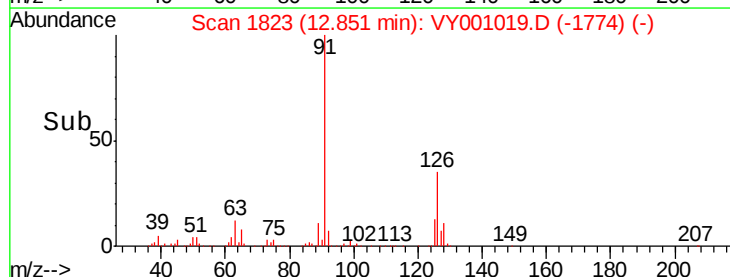
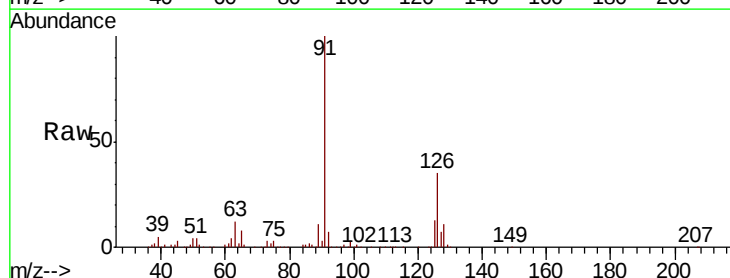
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

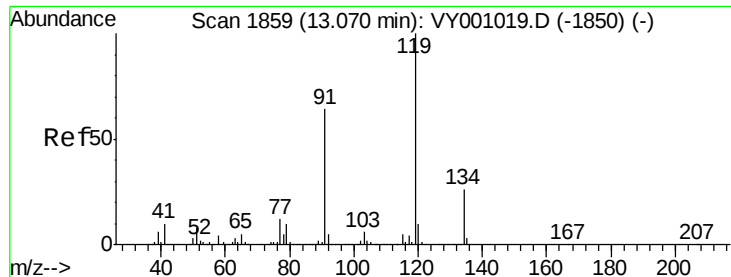
Tot Ion: 75 Resp: 67998
Ion Ratio Lower Upper
75 100
53 75.8 60.6 91.0
89 44.2 35.4 53.0



#82
4-Chlorotoluene
Concen: 45.618 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion: 91 Resp: 614752
Ion Ratio Lower Upper
91 100
126 35.2 17.6 52.8

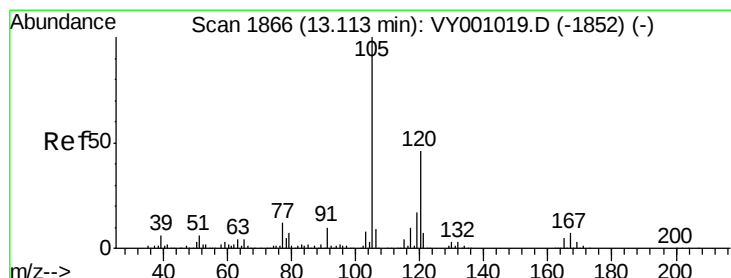
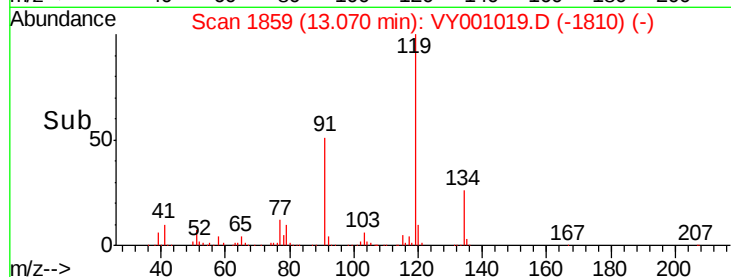
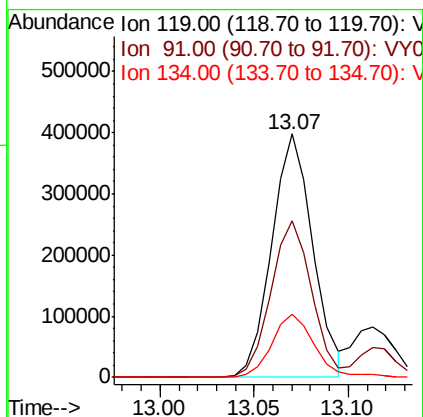
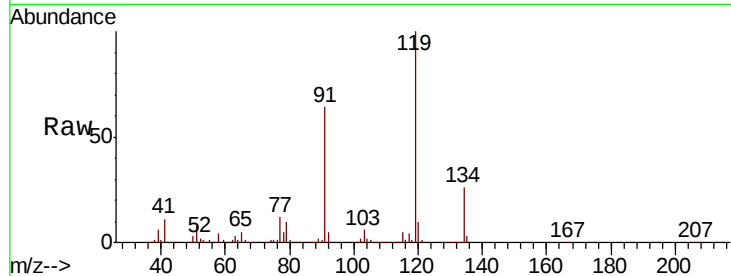




#83
tert-Butylbenzene
Concen: 44.820 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

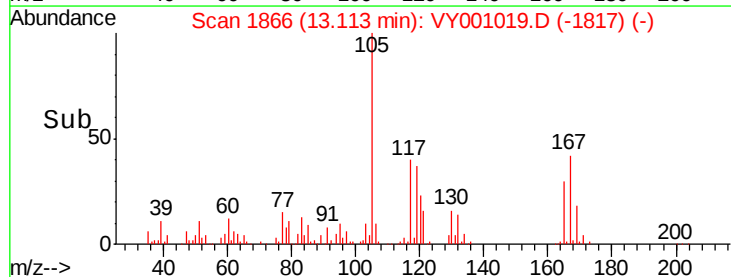
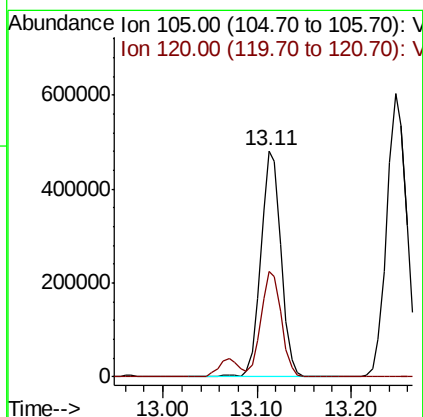
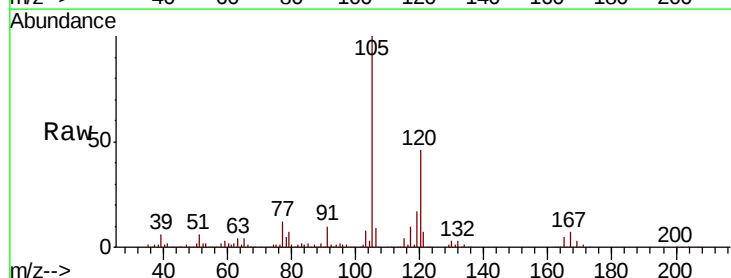
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

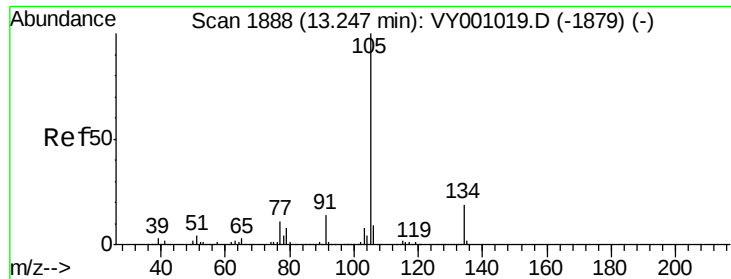
Tot Ion:119 Resp: 600215
Ion Ratio Lower Upper
119 100
91 63.8 31.9 95.7
134 27.1 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 45.851 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion:105 Resp: 728638
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.2

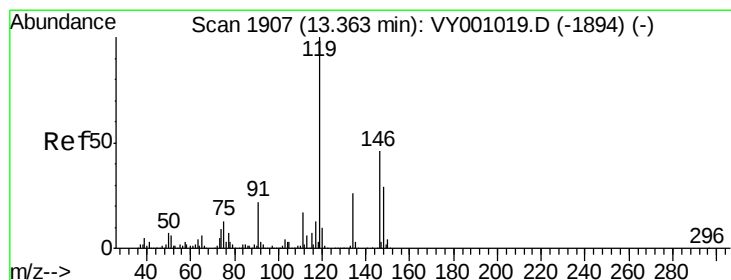
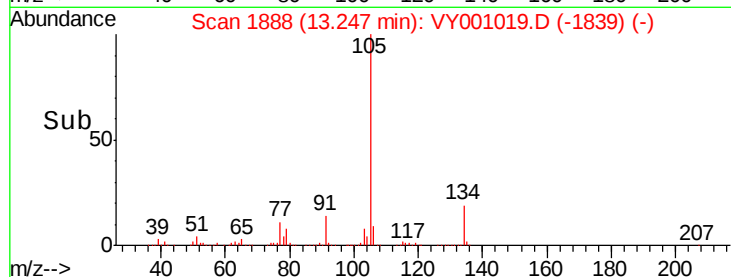
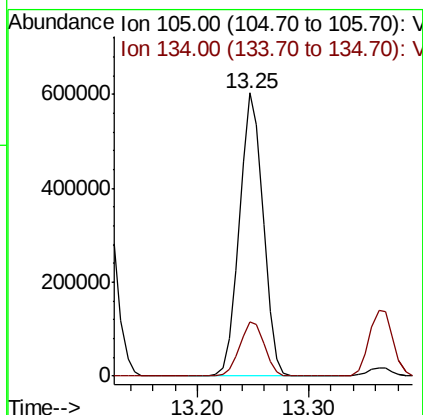
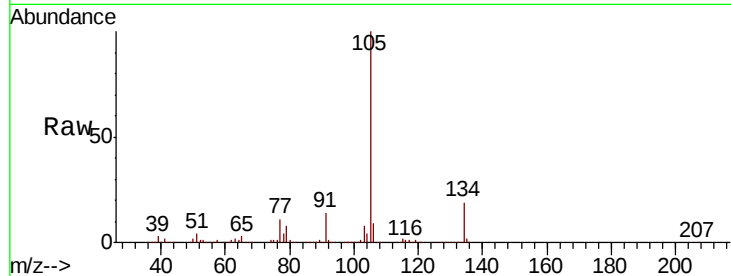




#85
 sec-Butylbenzene
 Concen: 45.357 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

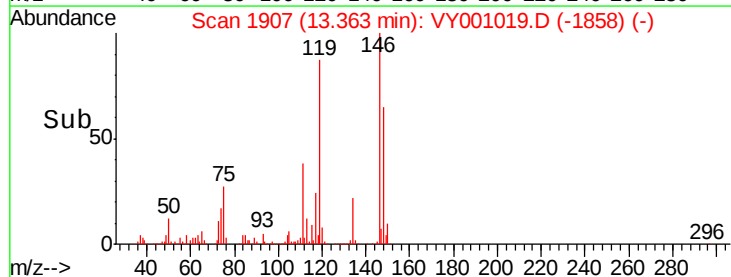
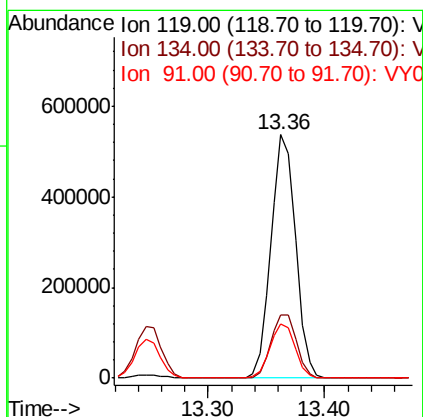
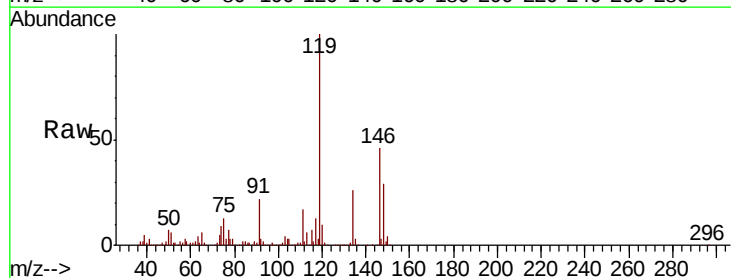
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

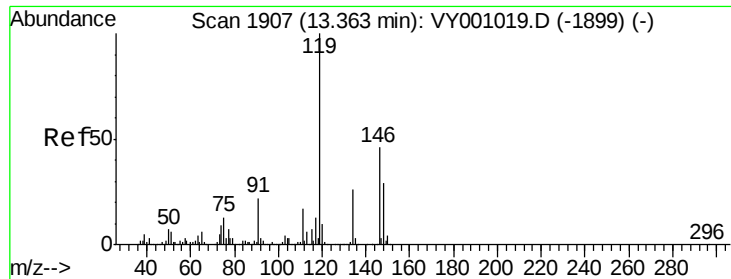
Tot Ion:105 Resp: 888870
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 45.973 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Tgt Ion:119 Resp: 780881
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.7
 91 22.7 11.4 34.1

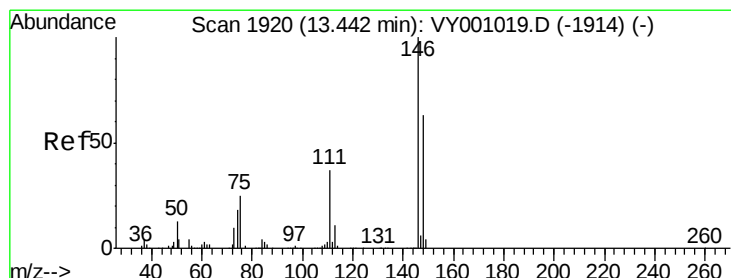
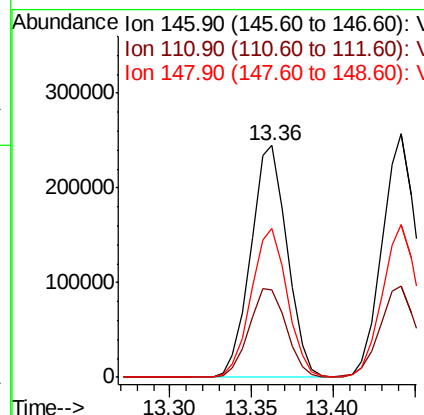
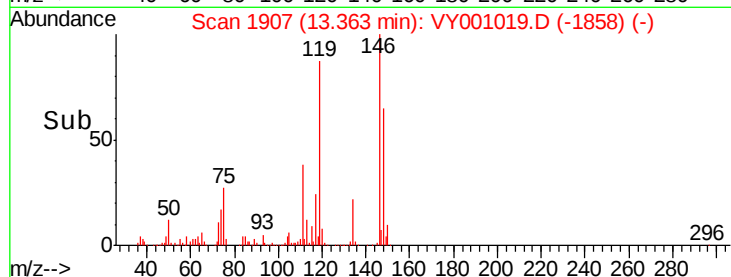
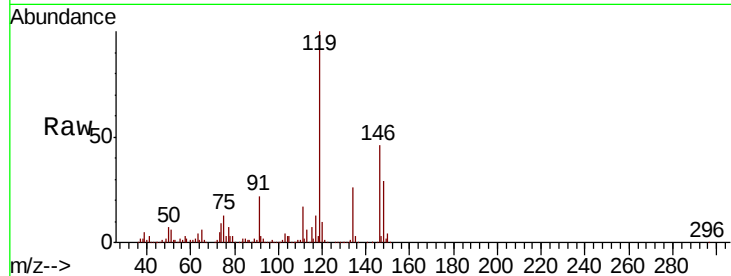




#87
 1,3-Dichlorobenzene
 Concen: 46.034 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

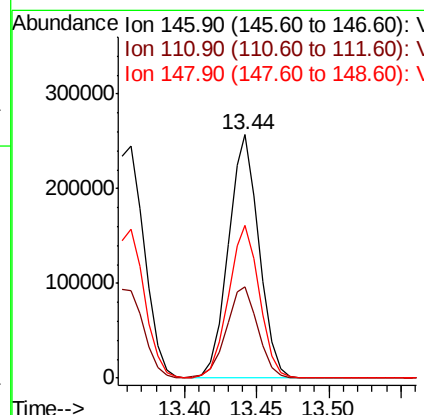
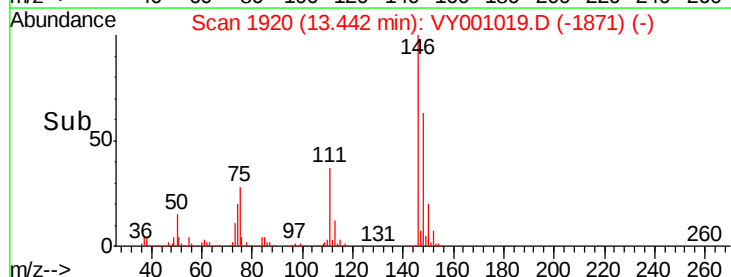
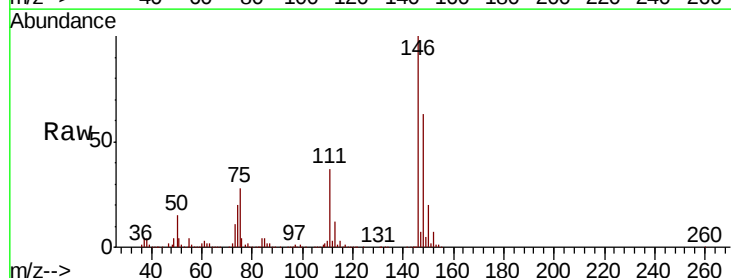
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

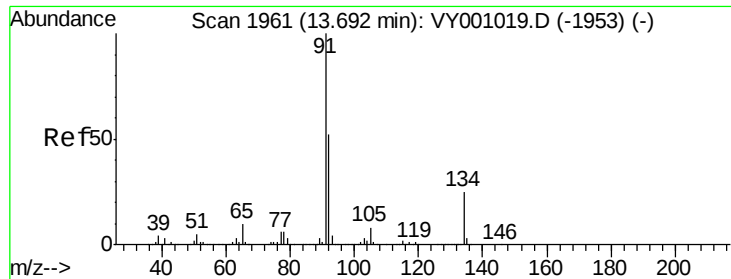
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	63.7	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 45.990 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.5	31.8	95.3

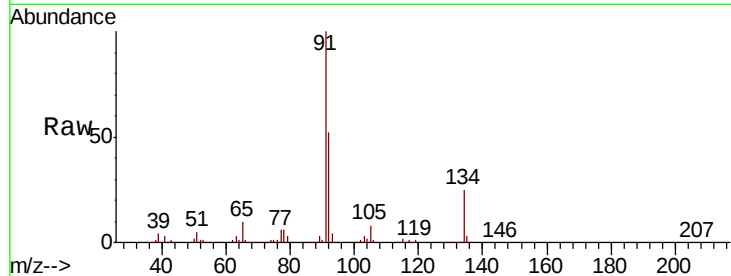




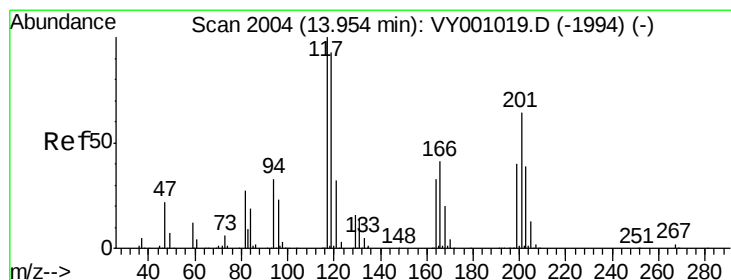
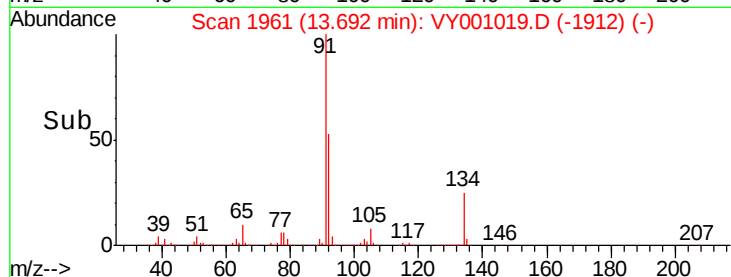
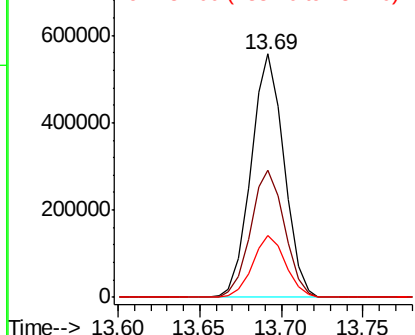
#89
n-Butylbenzene
Concen: 45.708 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 783997
Ion Ratio Lower Upper
91 100
92 53.8 26.9 80.7
134 25.3 12.7 38.0

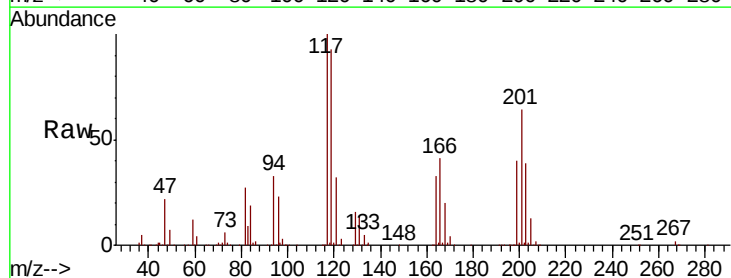


Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 92.00 (91.70 to 92.70): VY0
Ion 134.00 (133.70 to 134.70): V

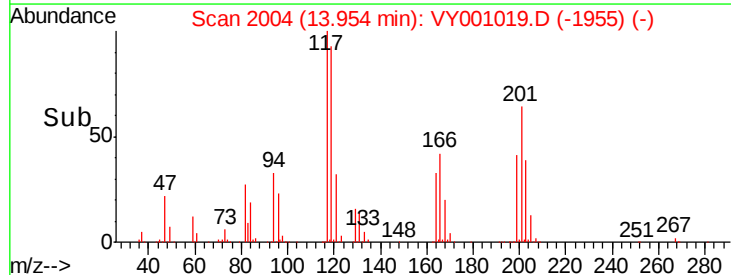
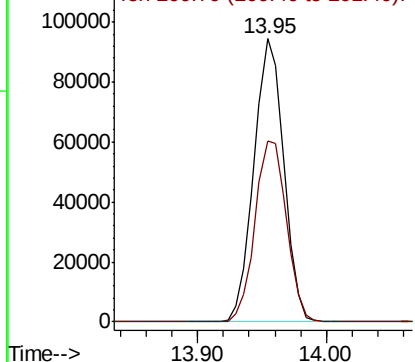


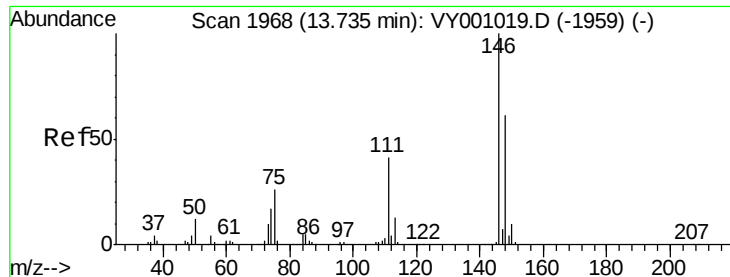
#90
Hexachloroethane
Concen: 47.269 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion: 117 Resp: 150448
Ion Ratio Lower Upper
117 100
201 67.4 33.7 101.1



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

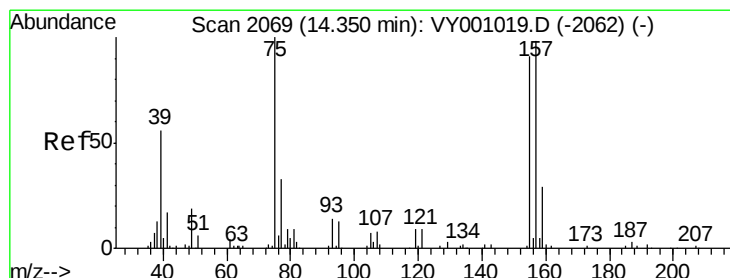
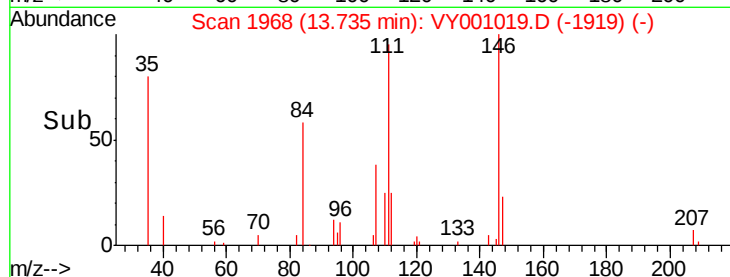
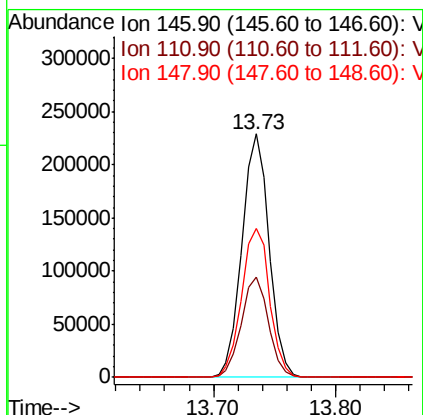
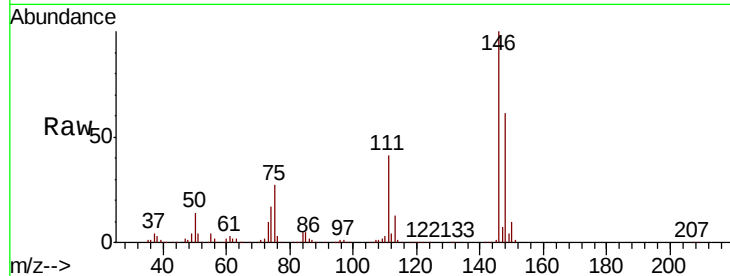




#91
 1,2-Dichlorobenzene
 Concen: 46.400 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

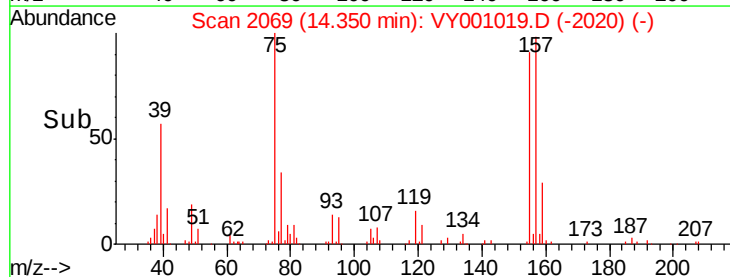
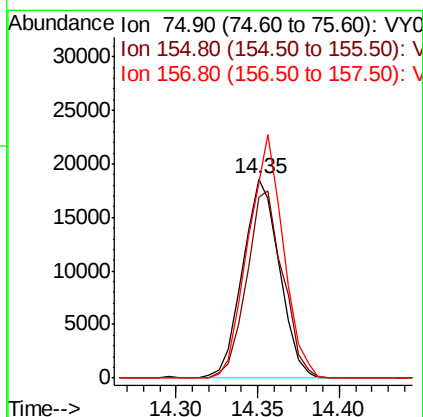
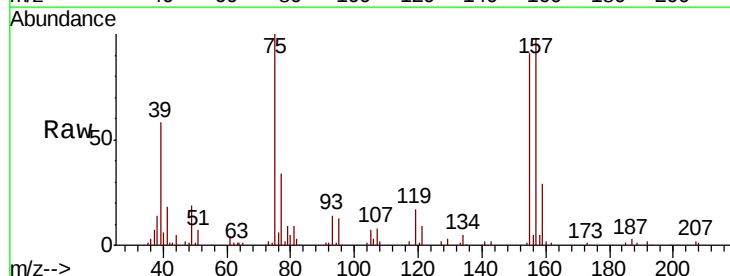
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

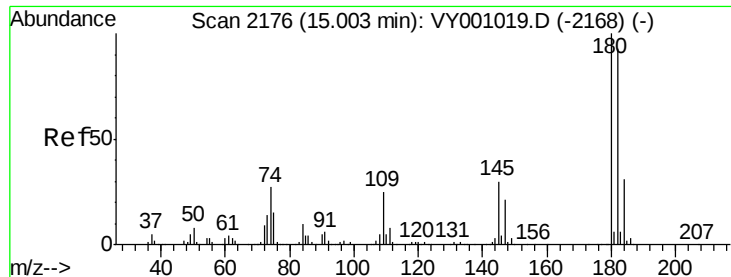
Tot Ion:146 Resp: 352623
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.6 61.9
 148 63.1 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.028 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Tgt Ion: 75 Resp: 29219
 Ion Ratio Lower Upper
 75 100
 155 92.6 46.3 138.9
 157 116.3 58.1 174.4

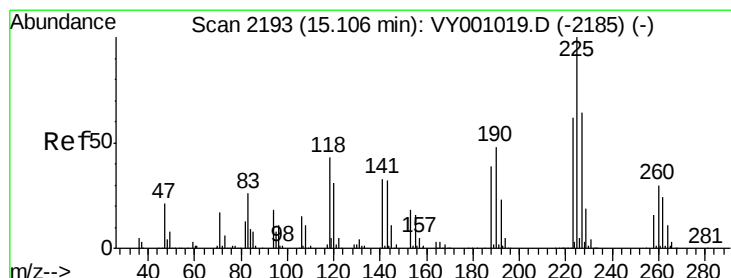
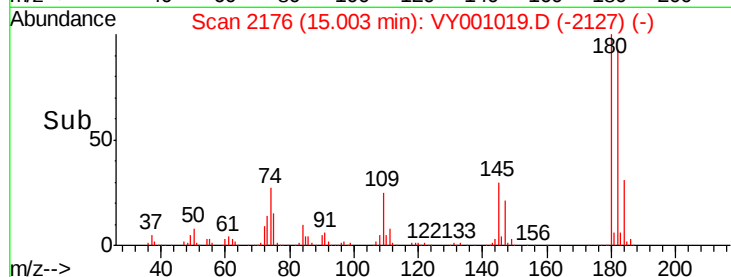
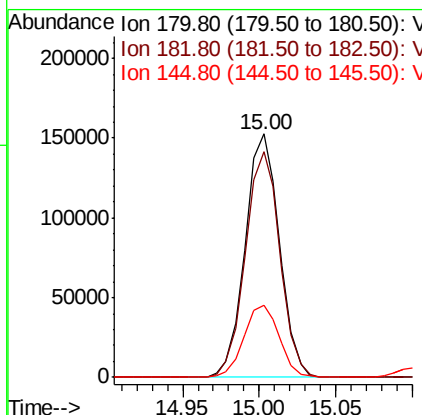
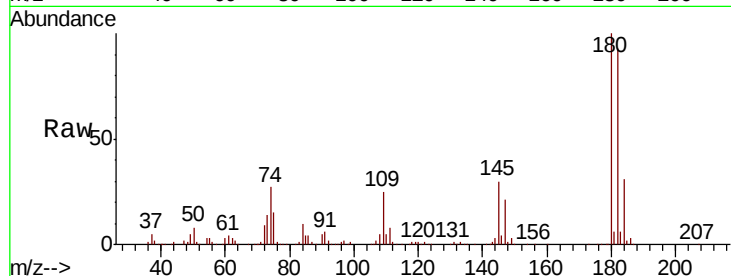




#93
 1,2,4-Trichlorobenzene
 Concen: 46.363 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

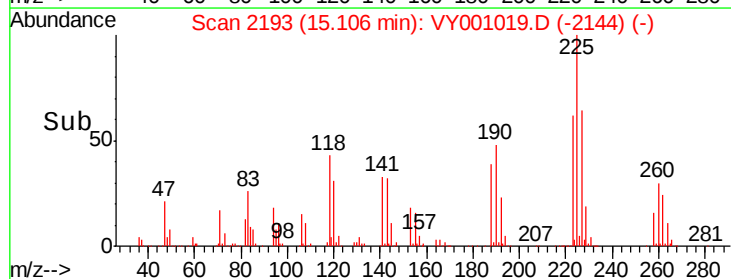
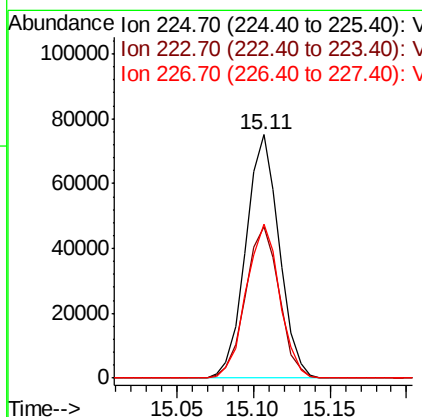
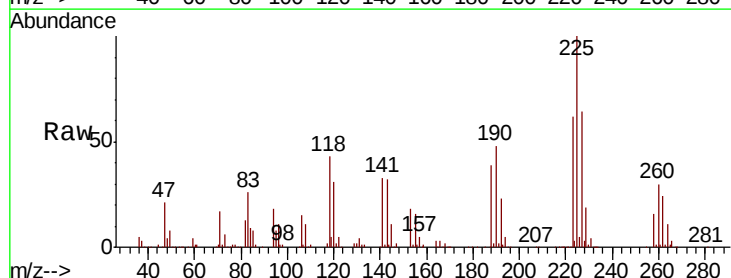
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

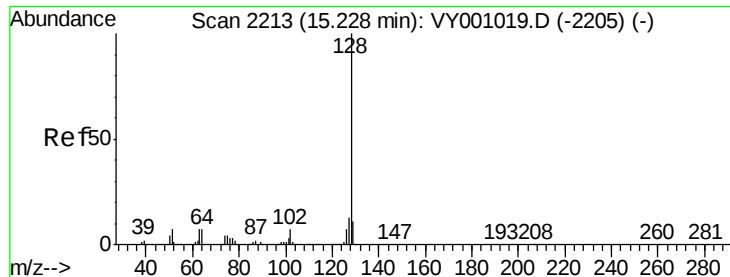
Tot Ion:180 Resp: 237448
 Ion Ratio Lower Upper
 180 100
 182 93.5 46.8 140.3
 145 30.6 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 46.529 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001019.D
 Acq: 23 Dec 2019 11:06

Tgt Ion:225 Resp: 113592
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.6 94.8
 227 63.7 31.9 95.5

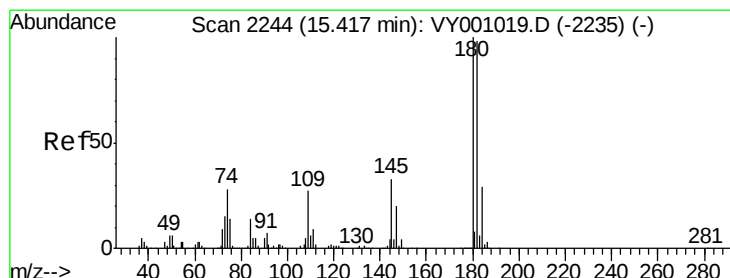
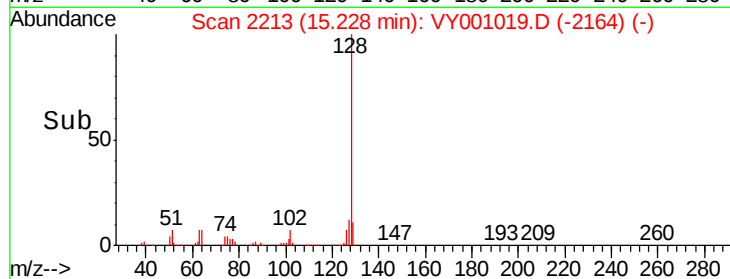
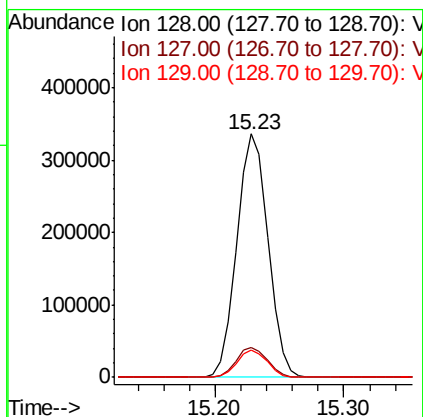
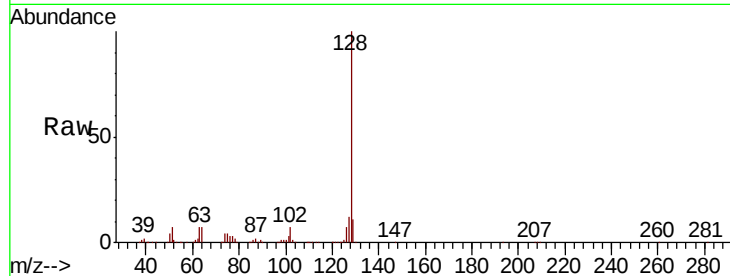




#95
Naphthalene
Concen: 46.891 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.8	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 46.712 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001019.D
Acq: 23 Dec 2019 11:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	32.6	16.3	48.9

