

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY020420\
 Data File : VY001485.D
 Acq On : 04 Feb 2020 14:21
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 04 14:41:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 14:37:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	232825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	406962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	355183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	158726	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	238279	95.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.88%	
35) Dibromofluoromethane	7.74	113	232290	97.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.64%	
50) Toluene-d8	10.19	98	924223	100.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.70%	
62) 4-Bromofluorobenzene	12.49	95	332791	91.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	234806	122.14	ug/l	98
3) Chloromethane	2.13	50	237506	87.14	ug/l	97
4) Vinyl Chloride	2.26	62	252156	88.91	ug/l	99
5) Bromomethane	2.66	94	153865	80.72	ug/l	99
6) Chloroethane	2.80	64	149733	83.26	ug/l	96
7) Trichlorofluoromethane	3.14	101	408563	108.18	ug/l	100
8) Diethyl Ether	3.55	74	137466	89.58	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	245796	103.27	ug/l	99
10) Methyl Iodide	4.11	142	331469	106.43	ug/l	99
11) Tert butyl alcohol	4.99	59	117556	313.27	ug/l	100
12) 1,1-Dichloroethene	3.90	96	245390	98.83	ug/l	97
13) Acrolein	3.76	56	103057	473.89	ug/l	98
14) Allyl chloride	4.51	41	378501	87.83	ug/l	100
15) Acrylonitrile	5.20	53	303707	394.10	ug/l	100
16) Acetone	3.97	43	311650	429.20	ug/l	100
17) Carbon Disulfide	4.22	76	790860	100.93	ug/l	99
18) Methyl Acetate	4.51	43	135771	66.96	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	637248	89.57	ug/l	100
20) Methylene Chloride	4.75	84	262446	68.04	ug/l	94
21) trans-1,2-Dichloroethene	5.25	96	273735	95.79	ug/l	99
22) Diisopropyl ether	6.15	45	746133	82.16	ug/l	99
23) Vinyl Acetate	6.10	43	2365100	403.74	ug/l	98
24) 1,1-Dichloroethane	6.05	63	446389	91.61	ug/l	98
25) 2-Butanone	7.02	43	409435	384.28	ug/l	98
26) 2,2-Dichloropropane	7.01	77	409457	93.36	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	297706	93.77	ug/l	100
28) Bromochloromethane	7.36	49	169759	86.35	ug/l	99
29) Tetrahydrofuran	7.37	42	247098	360.96	ug/l	99
30) Chloroform	7.54	83	455922	94.66	ug/l	99
31) Cyclohexane	7.81	56	436390	89.69	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	414569	100.97	ug/l	100
36) 1,1-Dichloropropene	7.94	75	366055	94.93	ug/l	100
37) Ethyl Acetate	7.10	43	170759	75.74	ug/l	98
38) Carbon Tetrachloride	7.93	117	361535	103.83	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	488737	98.53	ug/l	97
40) Benzene	8.18	78	1050003	91.69	ug/l	99
41) Methacrylonitrile	7.37	41	233337	202.71	ug/l #	1
42) 1,2-Dichloroethane	8.26	62	289714	91.08	ug/l	100
43) Isopropyl Acetate	8.29	43	342729	78.17	ug/l	99
44) Trichloroethene	8.96	130	282726	95.33	ug/l	99
45) 1,2-Dichloropropane	9.23	63	255182	89.01	ug/l	97
46) Dibromomethane	9.32	93	141074	91.08	ug/l	99
47) Bromodichloromethane	9.51	83	353845	94.91	ug/l	98
48) Methyl methacrylate	9.31	41	155287	77.61	ug/l	99
49) 1,4-Dioxane	9.32	88	36415	1693.08	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	825866	367.33	ug/l	99
52) Toluene	10.25	92	663857	91.51	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	381399	93.10	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	436779	92.49	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	202717	89.28	ug/l	99
56) Ethyl methacrylate	10.52	69	287550	84.49	ug/l	100
57) 1,3-Dichloropropane	10.80	76	352375	88.87	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	515199	423.36	ug/l	99
59) 2-Hexanone	10.84	43	602588	383.27	ug/l	100
60) Dibromochloromethane	10.99	129	243801	94.85	ug/l	100
61) 1,2-Dibromoethane	11.10	107	199610	92.48	ug/l	98
64) Tetrachloroethene	10.72	164	224476	97.51	ug/l	97
65) Chlorobenzene	11.52	112	697473	93.35	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	239179	93.80	ug/l	99
67) Ethyl Benzene	11.60	91	1255143	91.25	ug/l	98
68) m/p-Xylenes	11.71	106	936479	182.42	ug/l	100
69) o-Xylene	12.03	106	443759	89.96	ug/l	98
70) Styrene	12.05	104	767219	88.96	ug/l	100
71) Bromoform	12.21	173	136364	90.44	ug/l #	97
73) Isopropylbenzene	12.33	105	1224107	97.56	ug/l	100
74) N-amyl acetate	12.14	43	312887	79.40	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	231128	88.33	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	306085	162.94	ug/l #	100
77) Bromobenzene	12.61	156	261379	94.38	ug/l	97
78) n-propylbenzene	12.67	91	1442876	95.84	ug/l	100
79) 2-Chlorotoluene	12.76	91	830233	96.41	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1009014	96.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	88358	89.16	ug/l	96
82) 4-Chlorotoluene	12.86	91	864020	94.28	ug/l	100
83) tert-Butylbenzene	13.08	119	858412	97.20	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	983315	93.60	ug/l	99
85) sec-Butylbenzene	13.25	105	1204843	96.31	ug/l	100
86) p-Isopropyltoluene	13.37	119	1030646	93.31	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	481268	90.67	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	492897	91.40	ug/l	99
89) n-Butylbenzene	13.70	91	1032123	93.15	ug/l	99
90) Hexachloroethane	13.96	117	207693	99.21	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	447086	91.50	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	39026	85.57	ug/l	96

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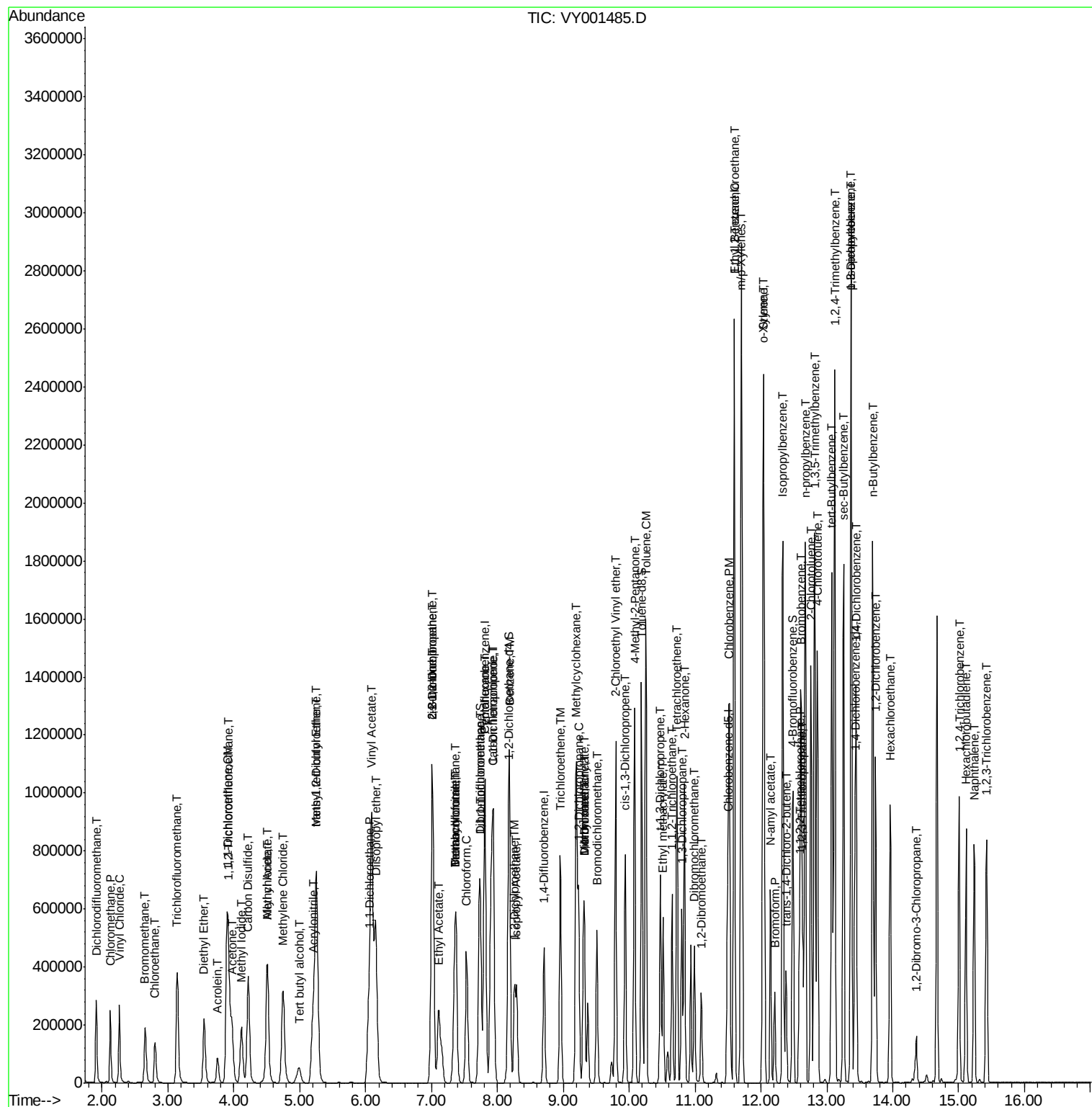
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	296349	89.98	ug/l	99
94) Hexachlorobutadiene	15.11	225	150946	93.59	ug/l	99
95) Naphthalene	15.23	128	673466	90.10	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	263916	91.75	ug/l	98

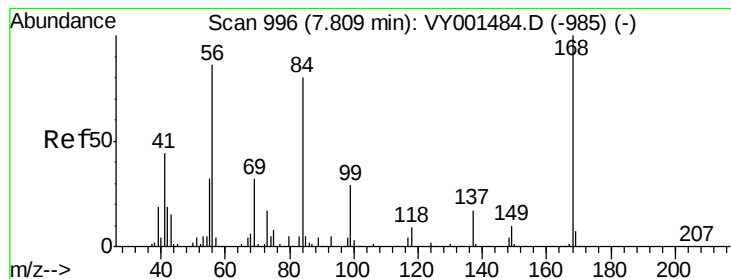
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY020420\
Data File : VY001485.D
Acq On : 04 Feb 2020 14:21
Operator : SY/MD
Sample : VSTDIC100
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
Client Sample Id :
VSTDIC100

Quant Time: Feb 04 14:41:53 2020
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

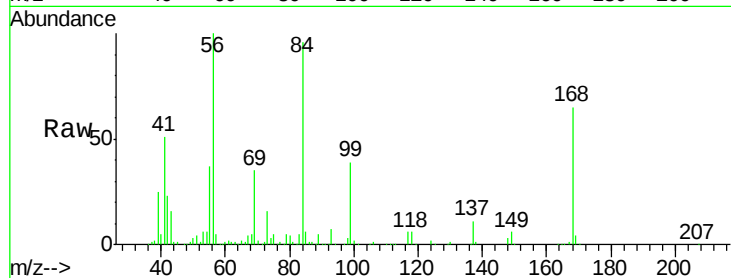
VSTDIC100

Tgt Ion:168 Resp: 232825

Ion Ratio Lower Upper

168 100

99 59.5 48.2 72.4



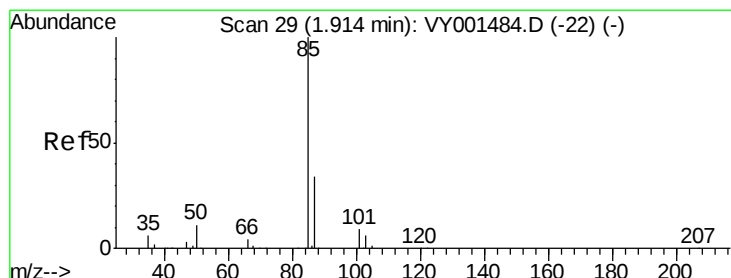
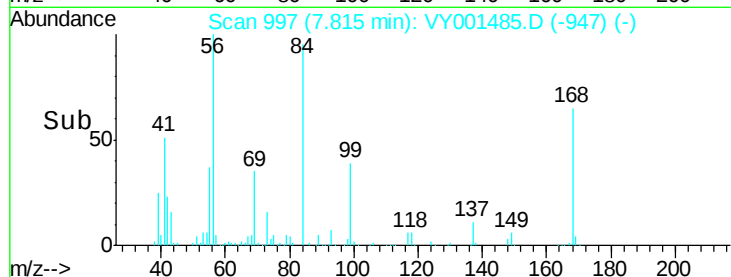
Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.82

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 122.14 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001485.D

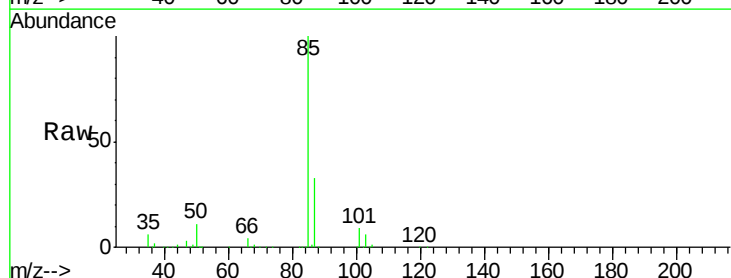
Acq: 04 Feb 2020 14:21

Tgt Ion: 85 Resp: 234806

Ion Ratio Lower Upper

85 100

87 32.9 17.0 50.9



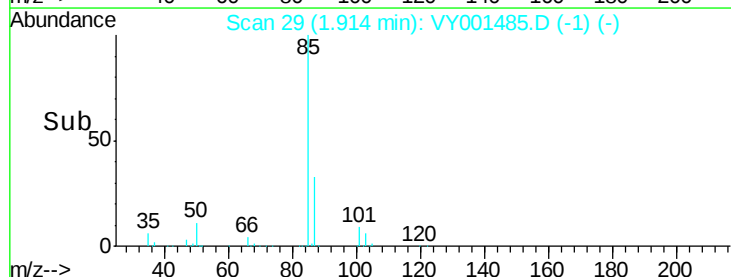
Abundance Ion 84.90 (84.60 to 85.60): VY001484.D (-22) (-)

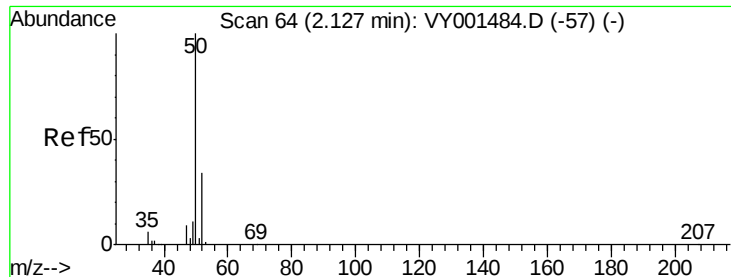
Ion 86.90 (86.60 to 87.60): VY001484.D (-22) (-)

1.91

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 87.14 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

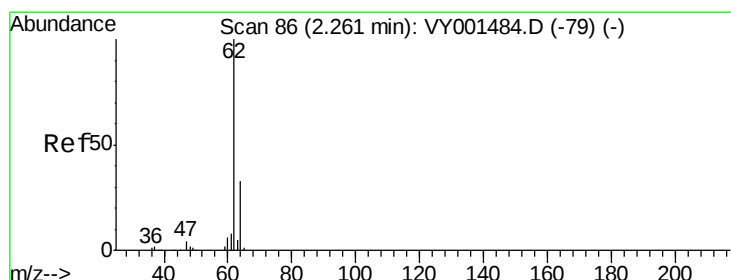
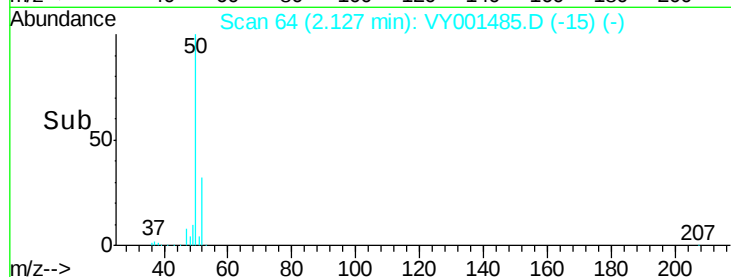
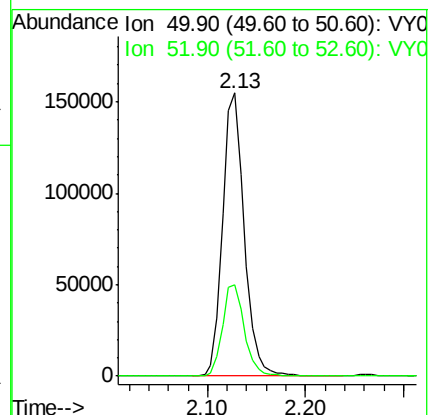
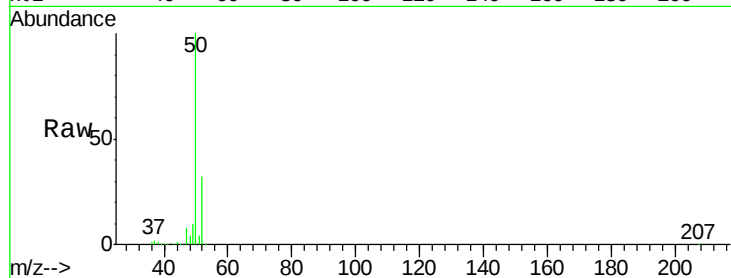
VSTDIC100

Tgt Ion: 50 Resp: 237506

Ion Ratio Lower Upper

50 100

52 32.3 27.3 40.9



#4

Vinyl Chloride

Concen: 88.91 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001485.D

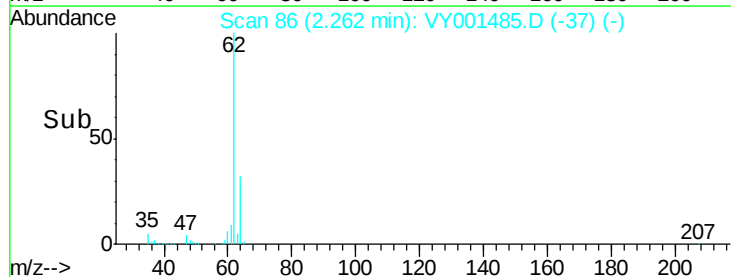
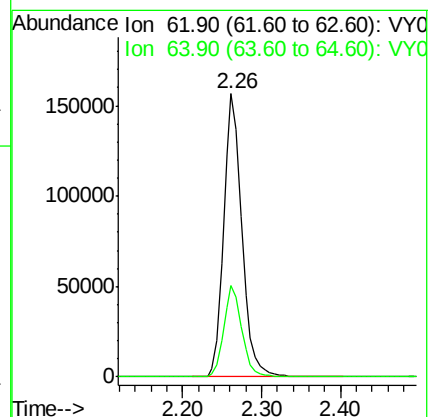
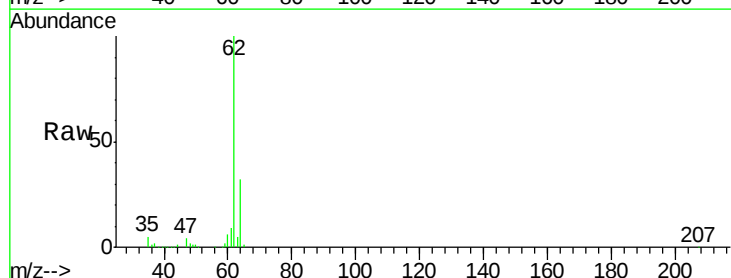
Acq: 04 Feb 2020 14:21

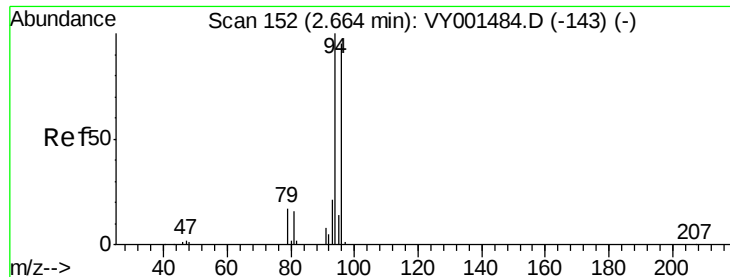
Tgt Ion: 62 Resp: 252156

Ion Ratio Lower Upper

62 100

64 32.5 26.4 39.6





#5

Bromomethane

Concen: 80.72 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

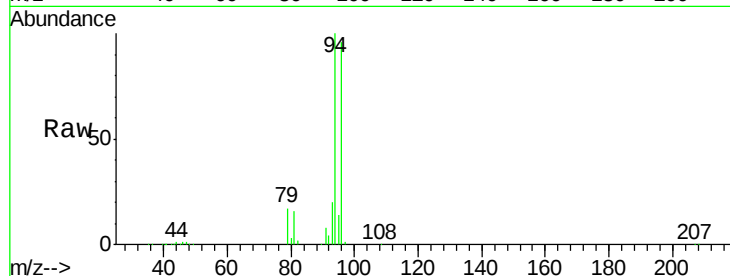
VSTDIC100

Tgt Ion: 94 Resp: 153865

Ion Ratio Lower Upper

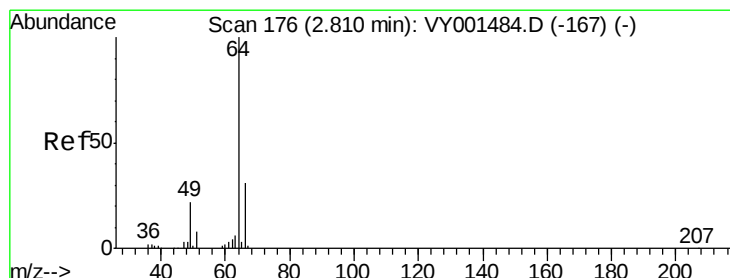
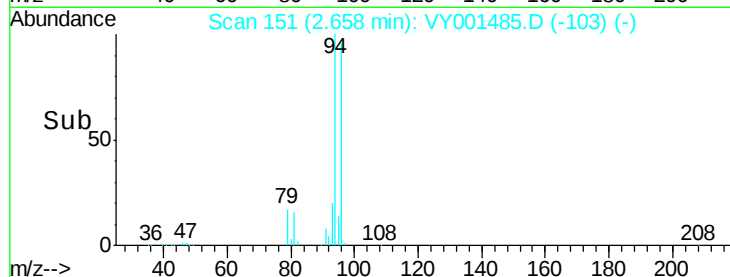
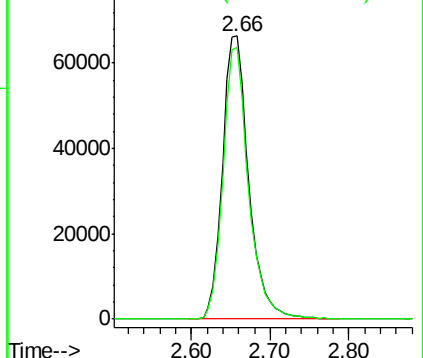
94 100

96 96.0 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 83.26 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001485.D

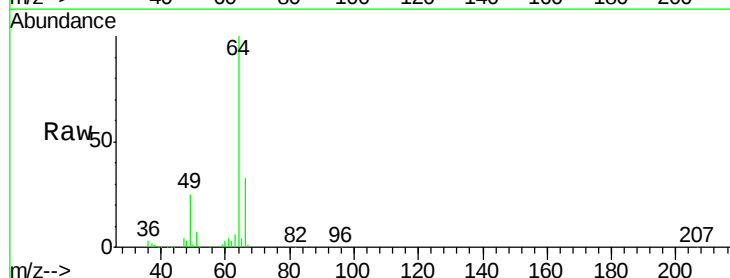
Acq: 04 Feb 2020 14:21

Tgt Ion: 64 Resp: 149733

Ion Ratio Lower Upper

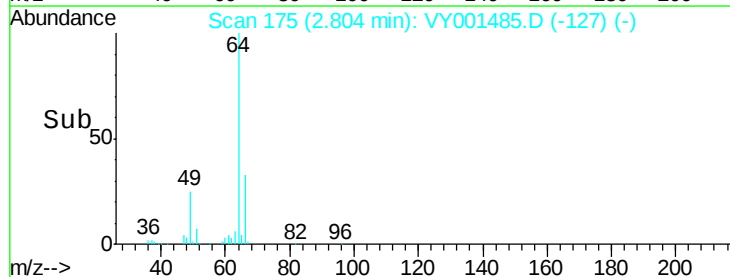
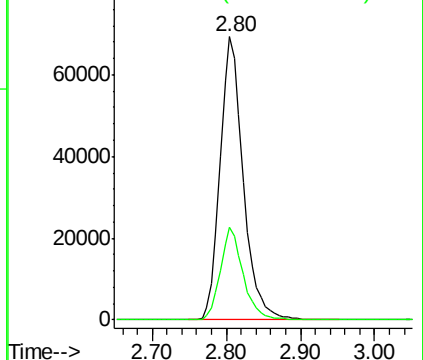
64 100

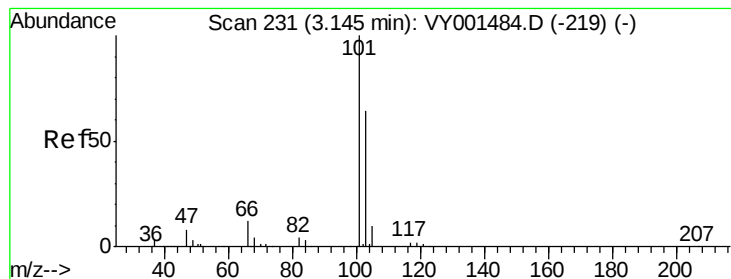
66 32.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

Trichlorofluoromethane

Concen: 108.18 ug/l

RT: 3.14 min Scan# 230

Delta R.T. -0.01 min

Lab File: VY001485.D

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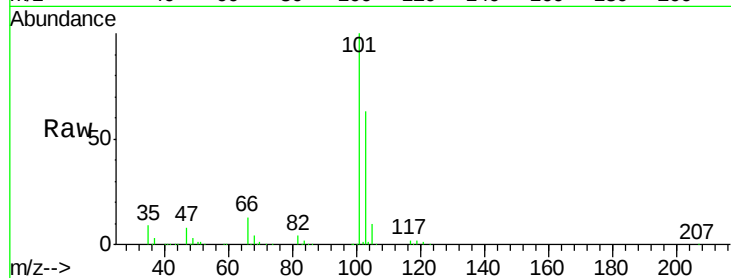
VSTDIC100

Tgt Ion:101 Resp: 408563

Ion Ratio Lower Upper

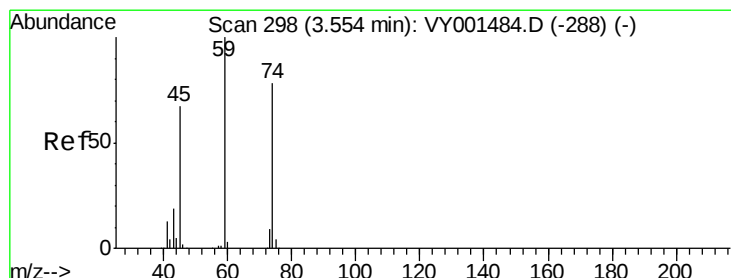
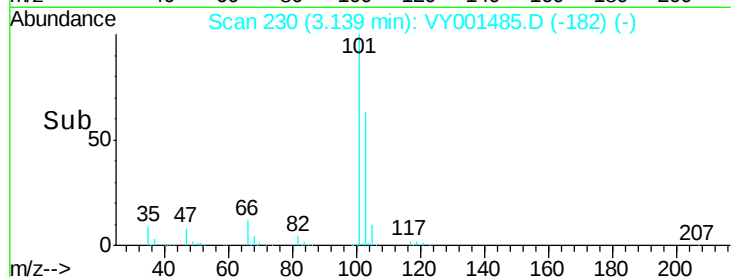
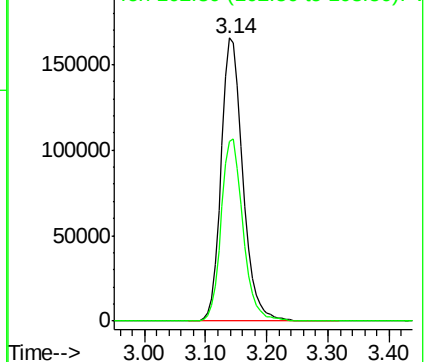
101 100

103 63.5 50.9 76.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 89.58 ug/l

RT: 3.55 min Scan# 297

Delta R.T. -0.01 min

Lab File: VY001485.D

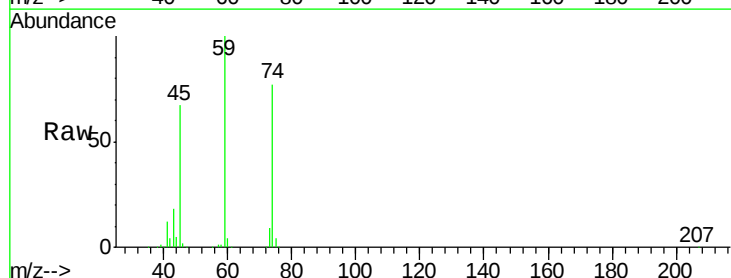
Acq: 04 Feb 2020 14:21

Tgt Ion: 74 Resp: 137466

Ion Ratio Lower Upper

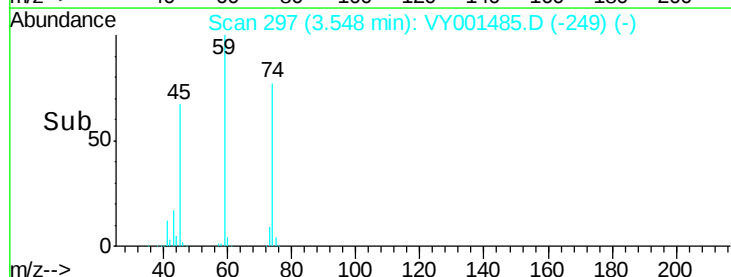
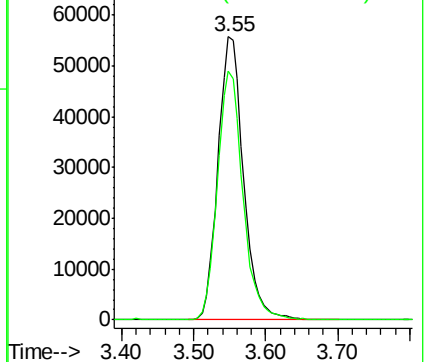
74 100

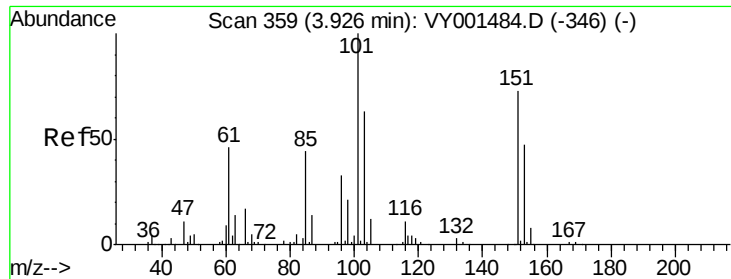
45 88.2 44.5 133.5



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.27 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

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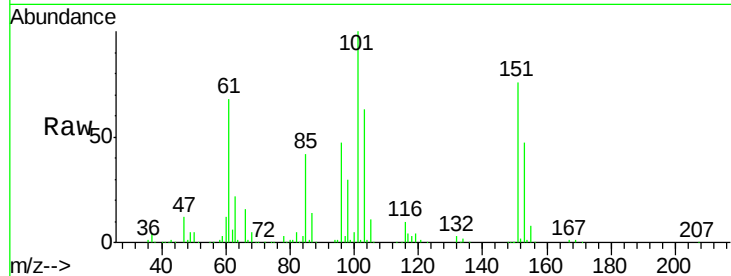
Tgt Ion:101 Resp: 245796

Ion Ratio Lower Upper

101 100

85 43.1 34.6 51.8

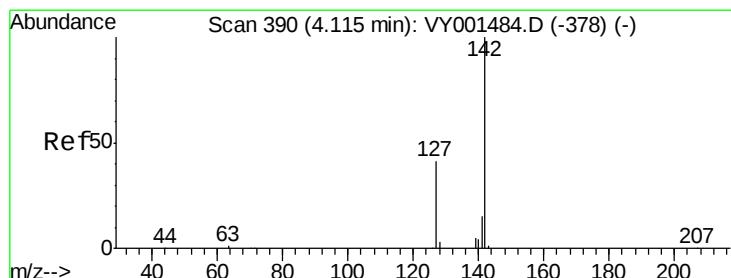
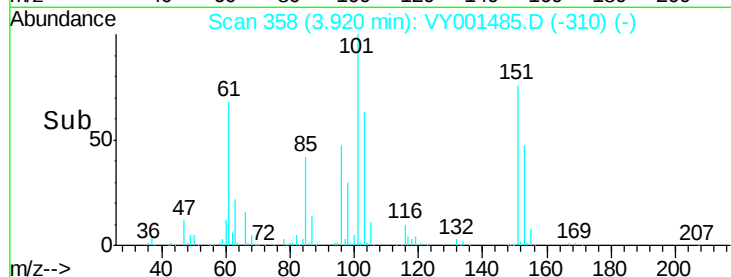
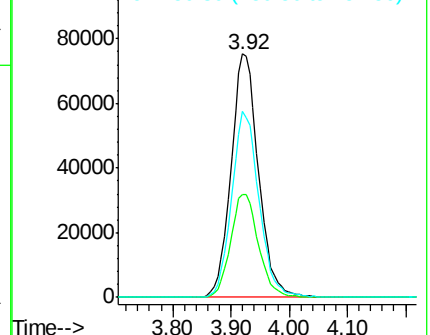
151 76.2 60.3 90.5



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: 106.43 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

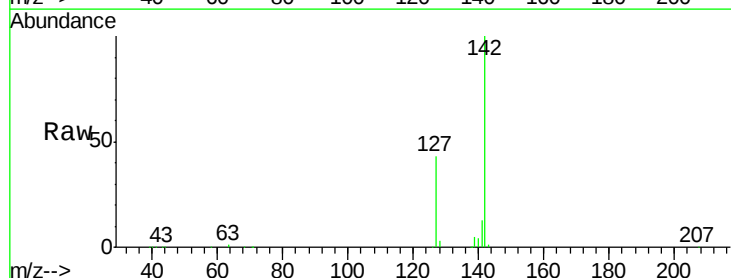
Tgt Ion:142 Resp: 331469

Ion Ratio Lower Upper

142 100

127 41.9 33.3 49.9

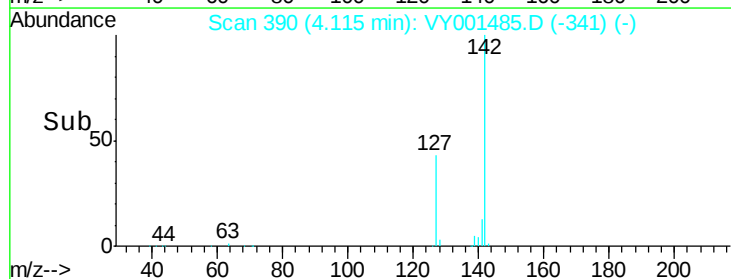
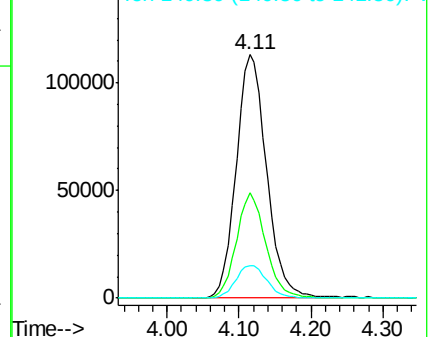
141 14.0 11.5 17.3

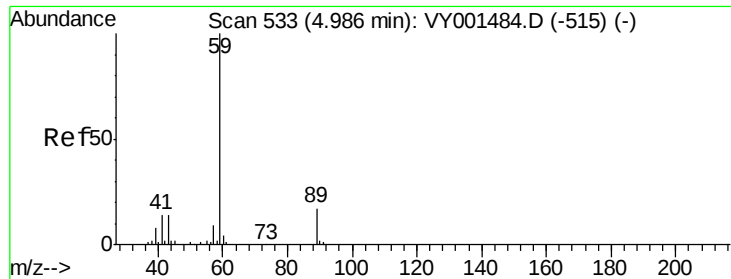


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

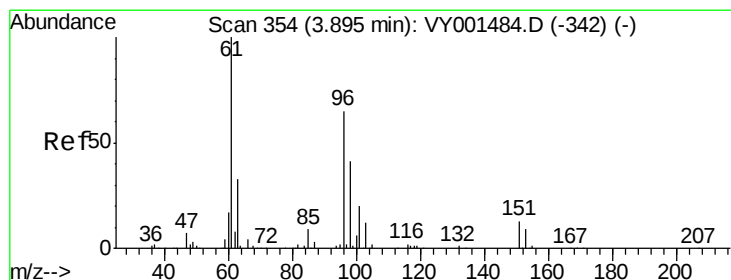
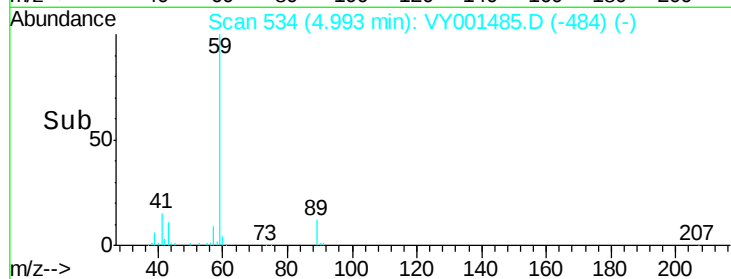
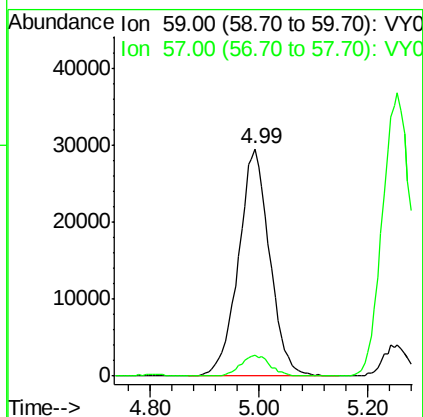
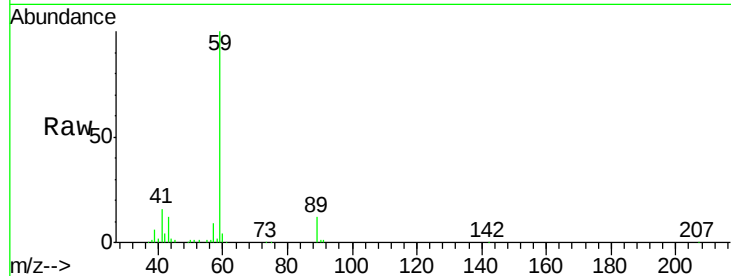




#11
Tert butyl alcohol
Concen: 313.27 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

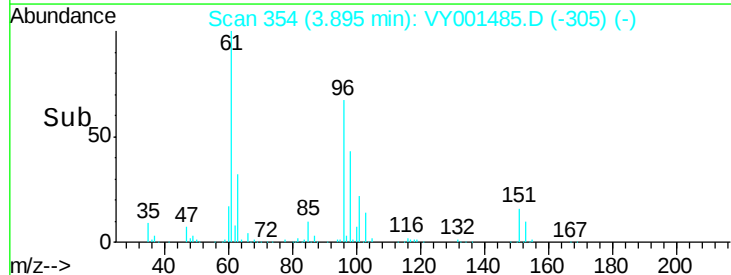
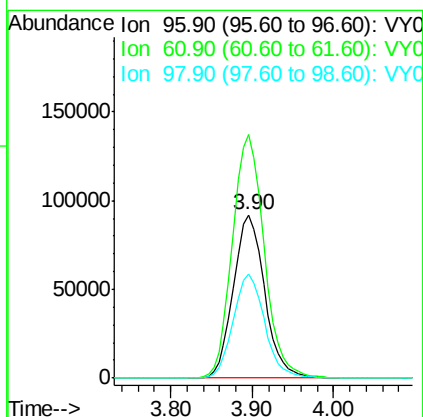
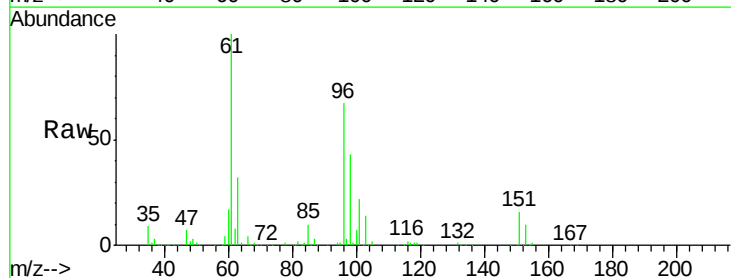
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

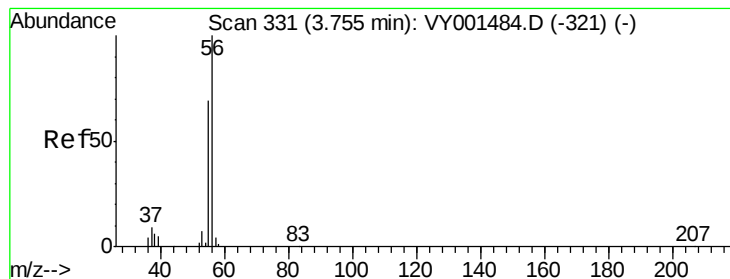
Tgt Ion: 59 Resp: 117556
Ion Ratio Lower Upper
59 100
57 8.9 7.0 10.6



#12
1,1-Dichloroethene
Concen: 98.83 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion: 96 Resp: 245390
Ion Ratio Lower Upper
96 100
61 149.1 122.3 183.5
98 63.9 49.7 74.5





#13

Acrolein

Concen: 473.89 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

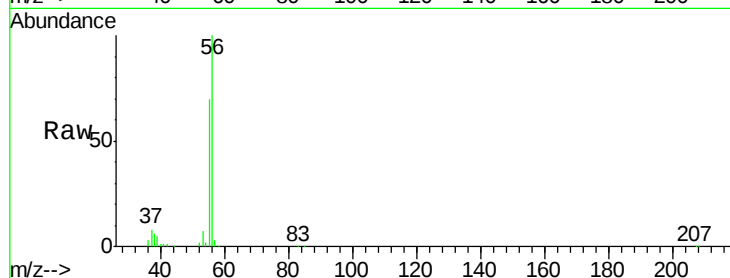
VSTDIC100

Tgt Ion: 56 Resp: 103057

Ion Ratio Lower Upper

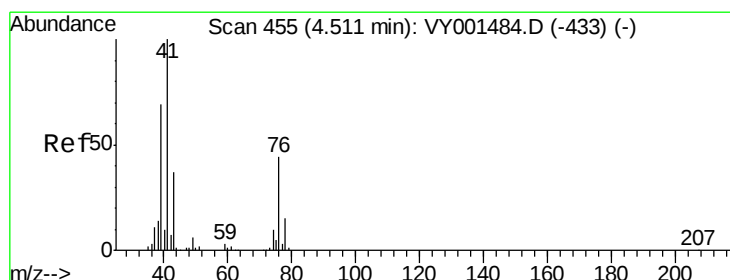
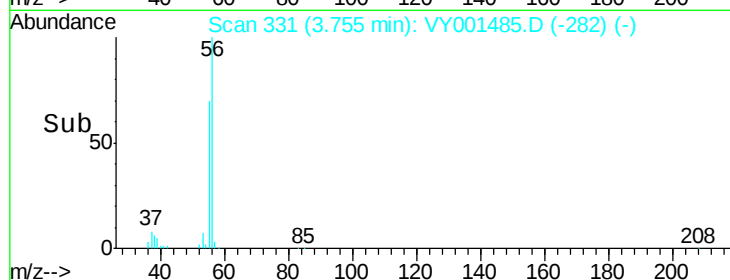
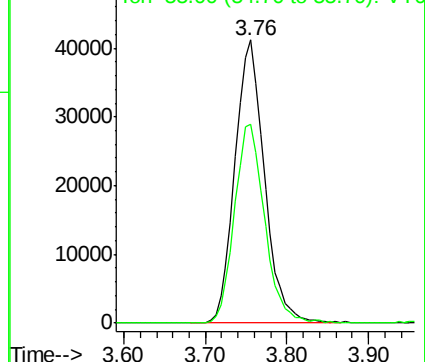
56 100

55 71.9 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 87.83 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

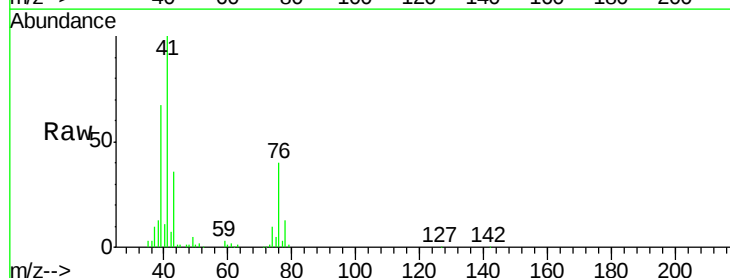
Tgt Ion: 41 Resp: 378501

Ion Ratio Lower Upper

41 100

39 66.1 53.0 79.6

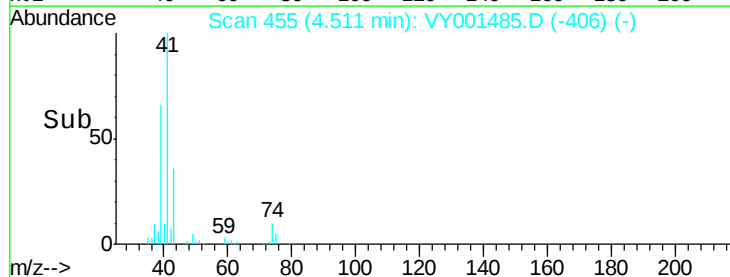
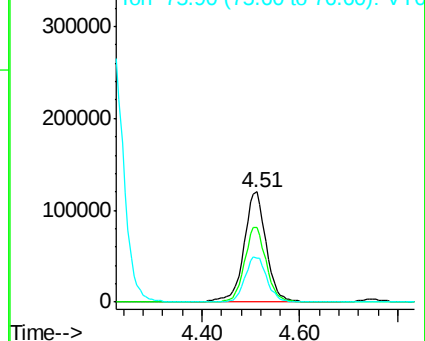
76 40.2 32.6 48.8



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 394.10 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

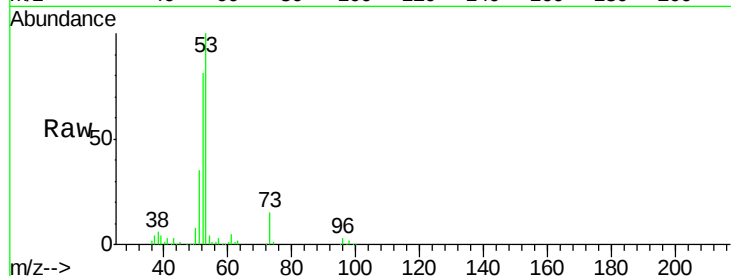
Tgt Ion: 53 Resp: 303707

Ion Ratio Lower Upper

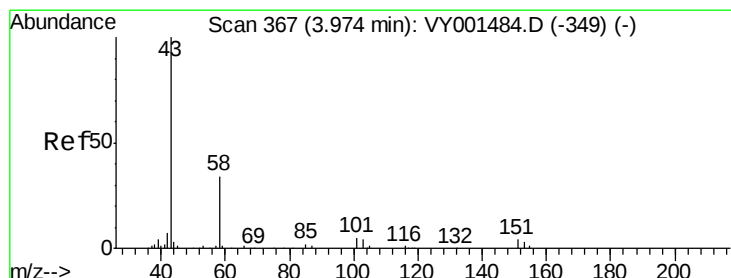
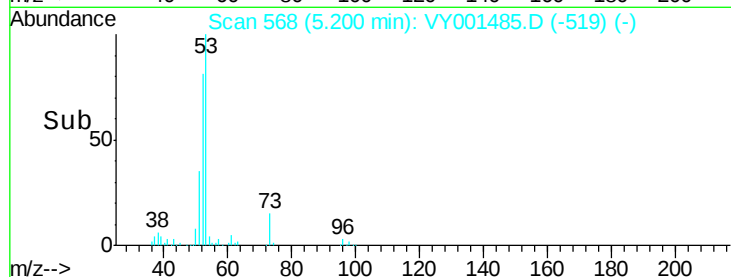
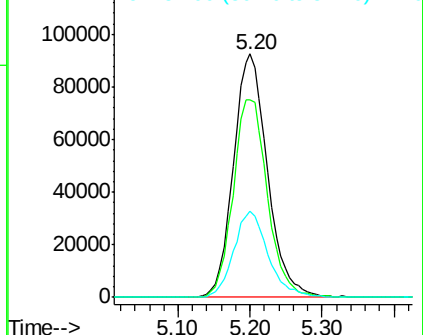
53 100

52 82.1 65.4 98.2

51 35.8 29.0 43.4



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: 429.20 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001485.D

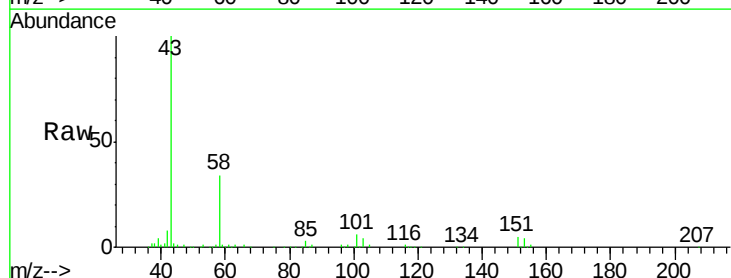
Acq: 04 Feb 2020 14:21

Tgt Ion: 43 Resp: 311650

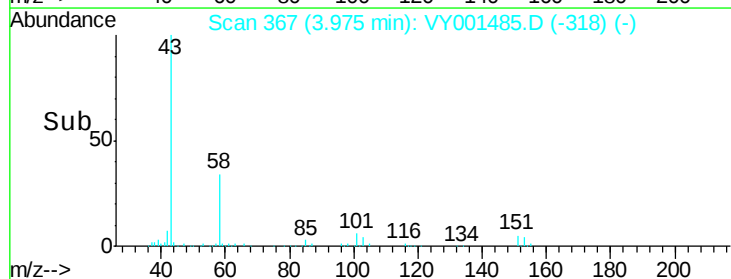
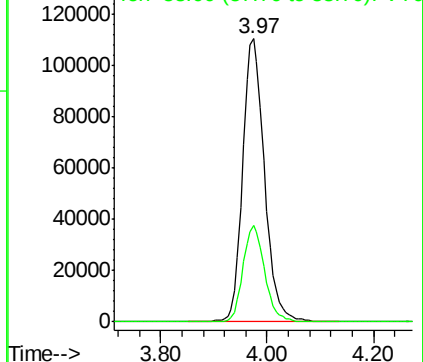
Ion Ratio Lower Upper

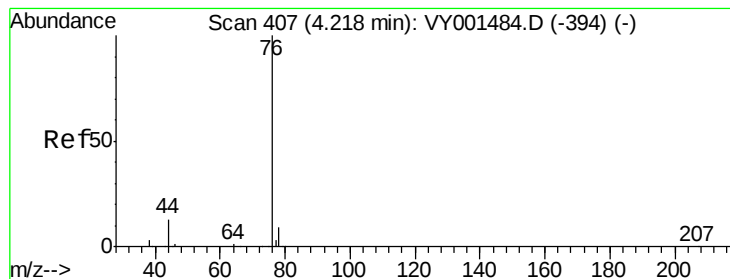
43 100

58 34.3 27.5 41.3



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





#17

Carbon Disulfide

Concen: 100.93 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

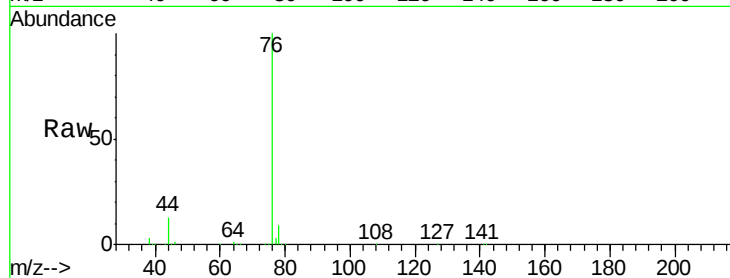
VSTDIC100

Tgt Ion: 76 Resp: 790860

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY001484.D (-394) (-)

Ion 77.90 (77.60 to 78.60): VY001484.D (-394) (-)

4.22

300000

250000

200000

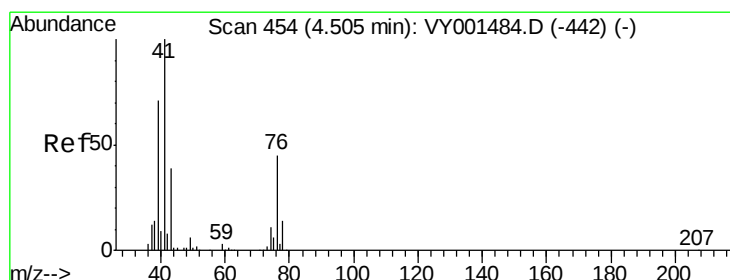
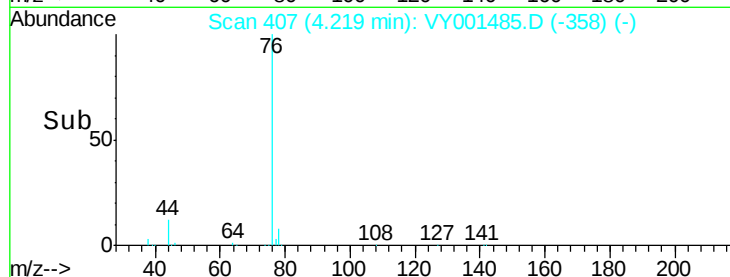
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 66.96 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.00 min

Lab File: VY001485.D

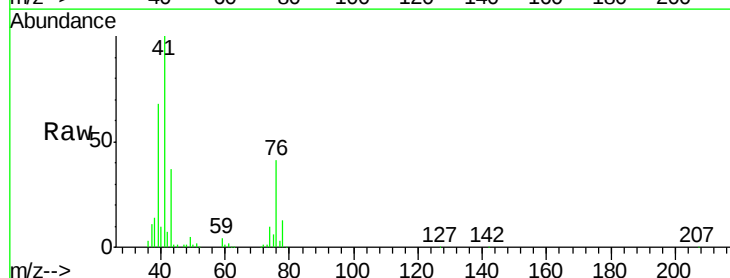
Acq: 04 Feb 2020 14:21

Tgt Ion: 43 Resp: 135771

Ion Ratio Lower Upper

43 100

74 25.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY001484.D (-442) (-)

Ion 74.00 (73.70 to 74.70): VY001484.D (-442) (-)

4.51

50000

40000

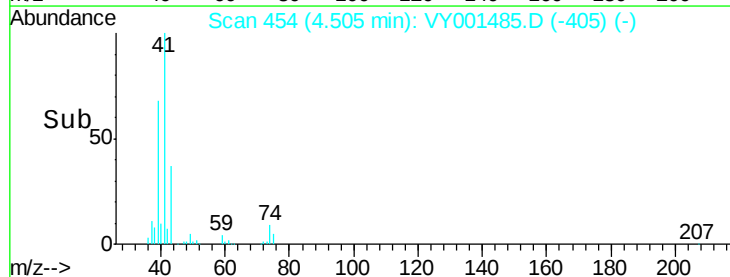
30000

20000

10000

0

Time-->

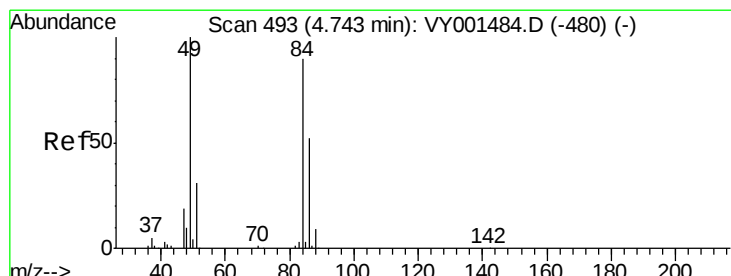
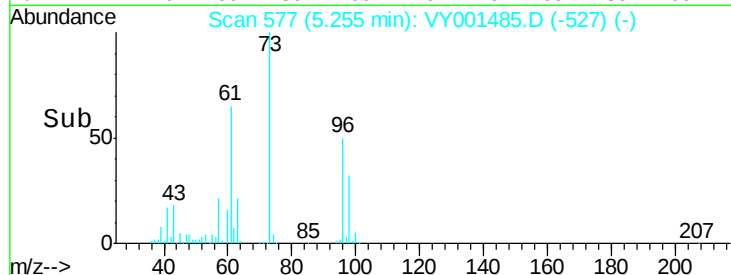
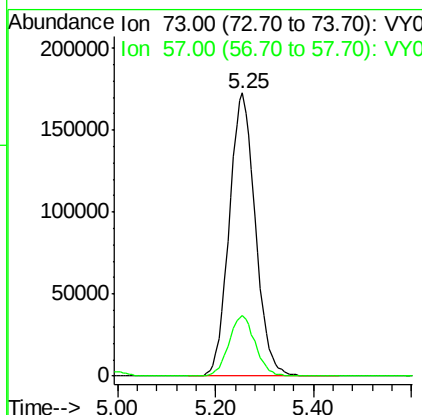
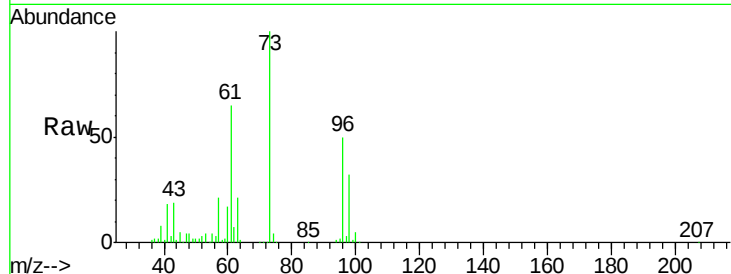




#19
Methyl tert-butyl Ether
Concen: 89.57 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

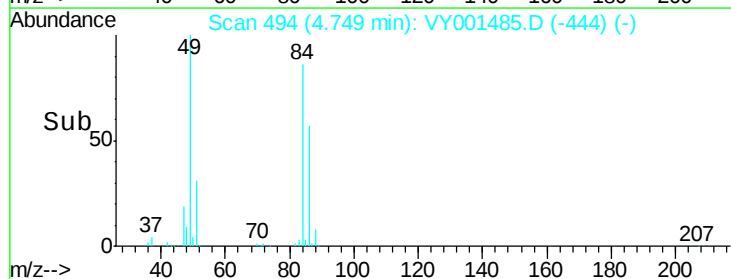
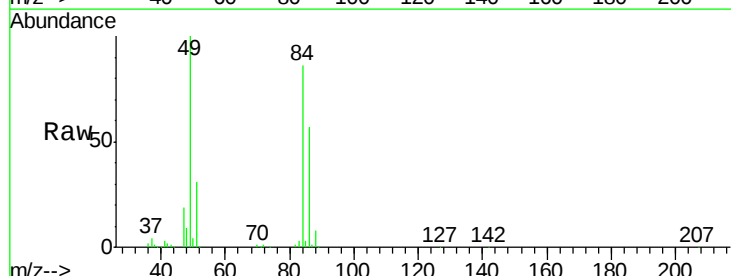
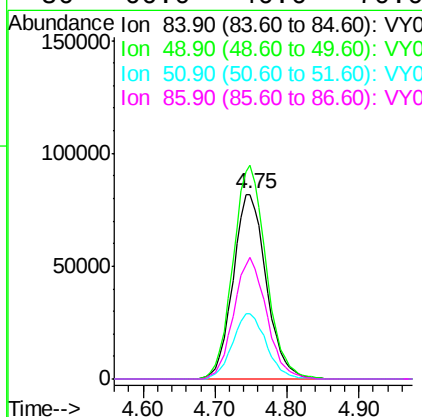
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

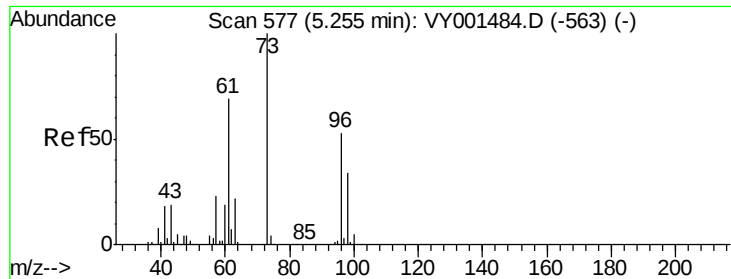
Tgt Ion: 73 Resp: 637248
Ion Ratio Lower Upper
73 100
57 21.3 17.0 25.6



#20
Methylene Chloride
Concen: 68.04 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion: 84 Resp: 262446
Ion Ratio Lower Upper
84 100
49 115.8 89.0 133.6
51 35.5 27.4 41.2
86 66.0 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 95.79 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

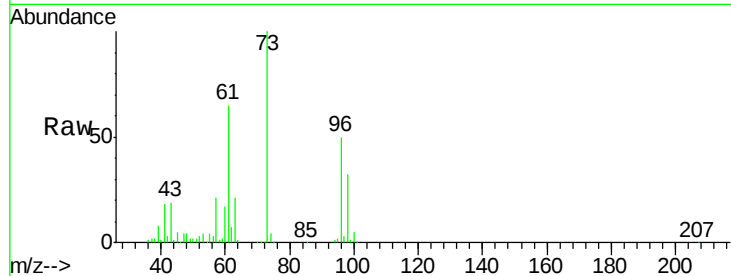
Tgt Ion: 96 Resp: 273735

Ion Ratio Lower Upper

96 100

61 129.3 104.2 156.4

98 64.8 51.4 77.0

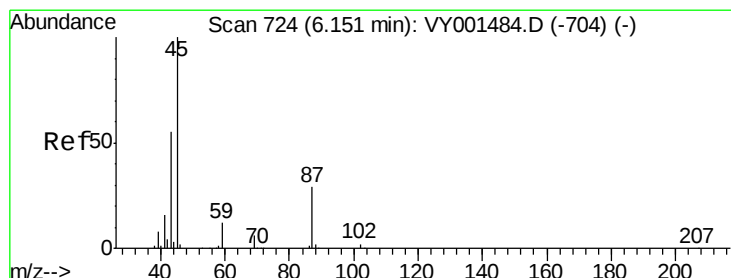
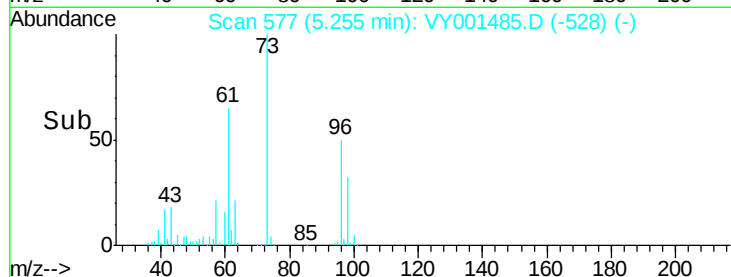
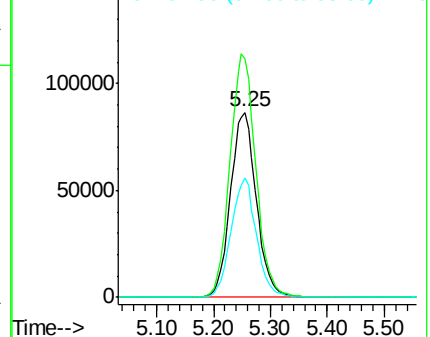


Abundance

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: 82.16 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Tgt Ion: 45 Resp: 746133

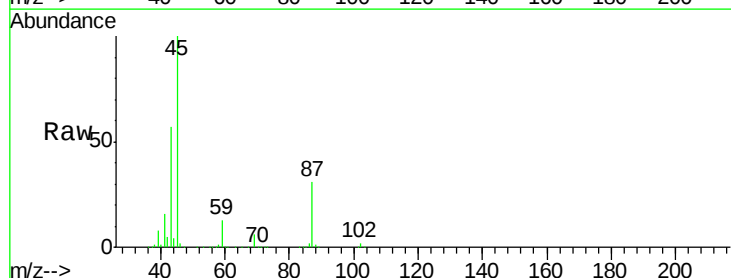
Ion Ratio Lower Upper

45 100

43 56.4 44.2 66.4

87 30.9 23.9 35.9

59 12.8 10.2 15.2



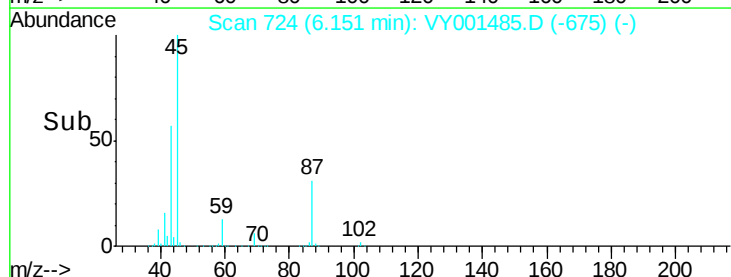
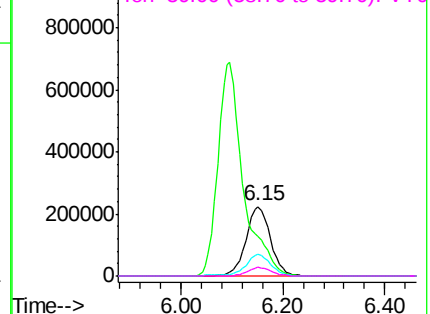
Abundance

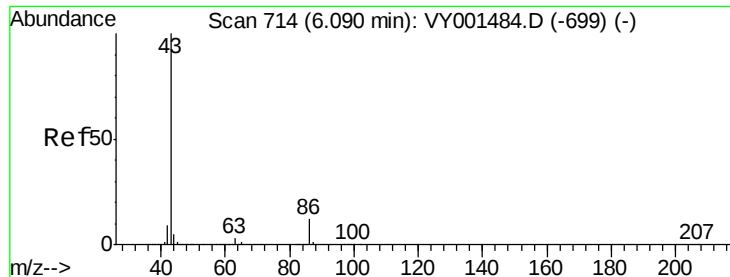
Ion 45.00 (44.70 to 45.70): VY0

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: 403.74 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

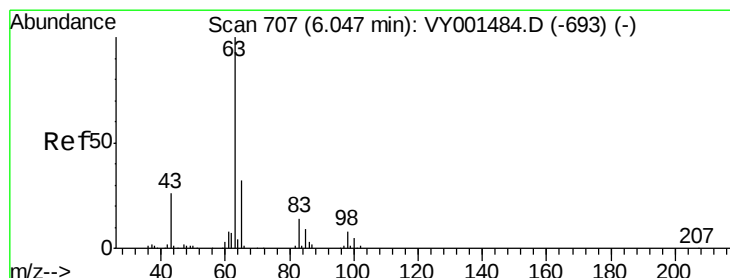
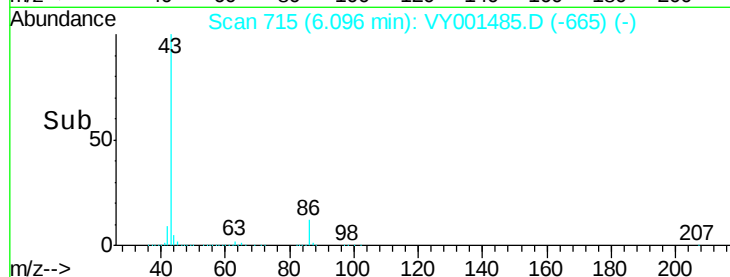
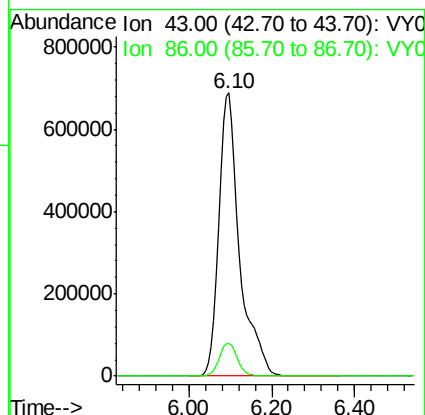
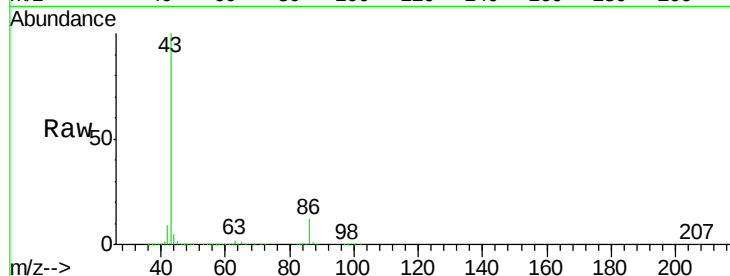
VSTDIC100

Tgt Ion: 43 Resp: 2365100

Ion Ratio Lower Upper

43 100

86 11.6 9.8 14.8



#24

1,1-Dichloroethane

Concen: 91.61 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

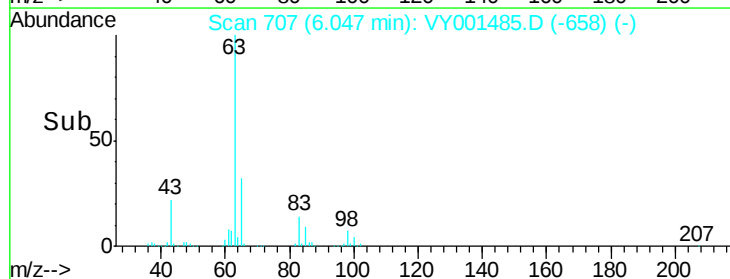
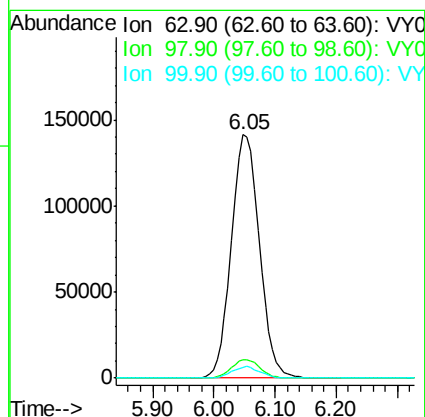
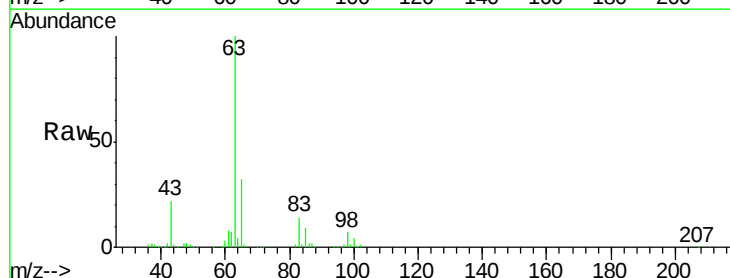
Tgt Ion: 63 Resp: 446389

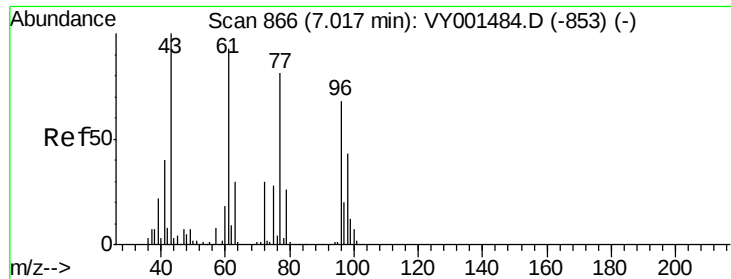
Ion Ratio Lower Upper

63 100

98 7.4 4.0 11.9

100 4.5 2.6 8.0

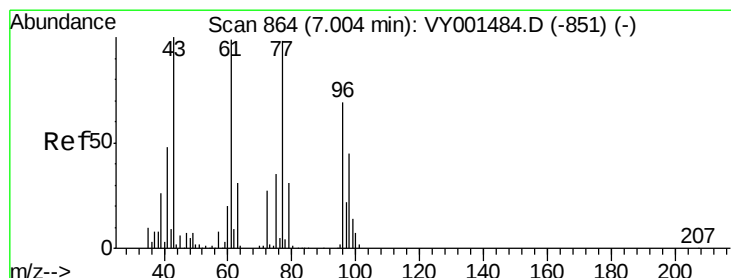
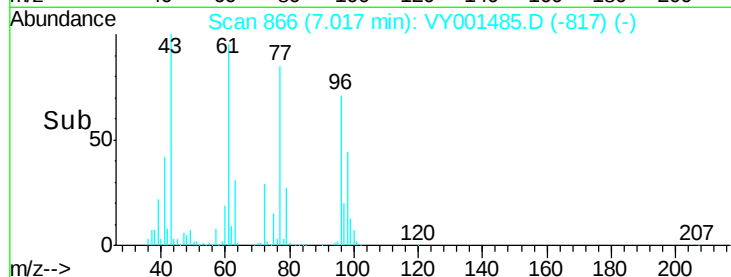
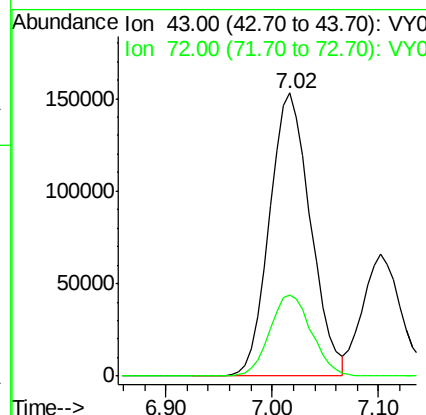
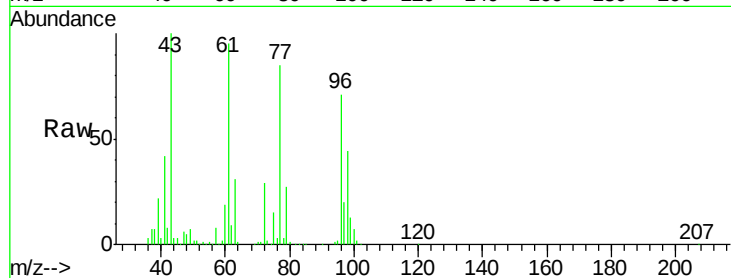




#25
2-Butanone
Concen: 384.28 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

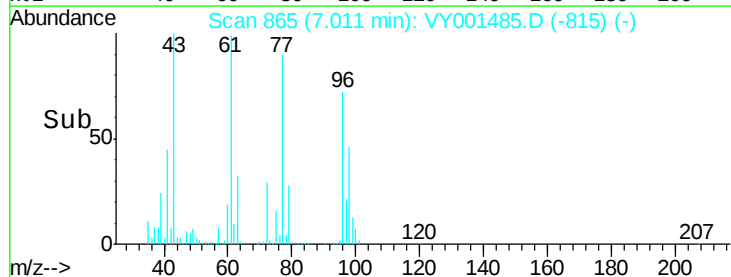
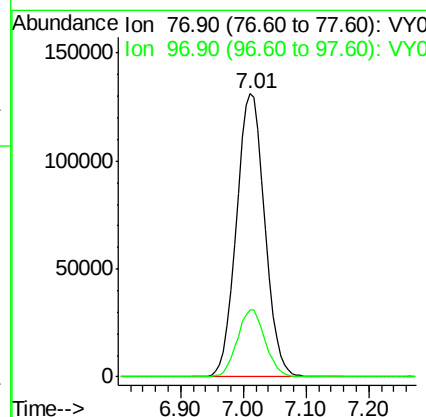
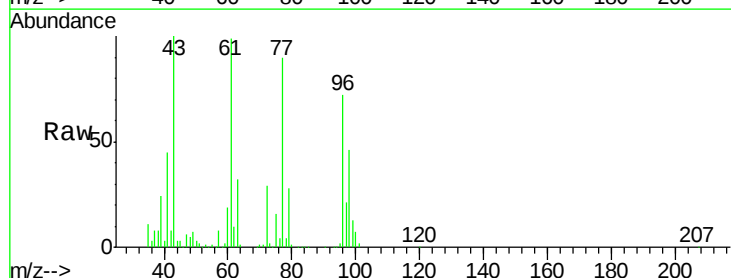
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

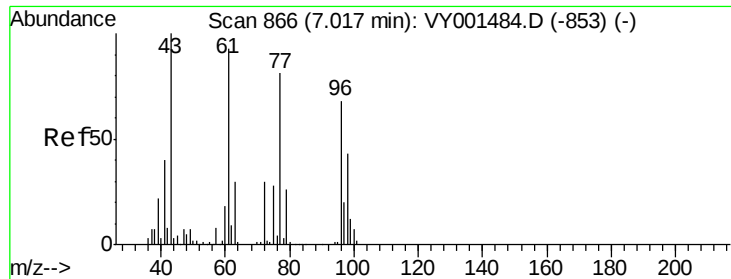
Tgt Ion: 43 Resp: 409435
Ion Ratio Lower Upper
43 100
72 28.6 23.8 35.8



#26
2,2-Dichloropropane
Concen: 93.36 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion: 77 Resp: 409457
Ion Ratio Lower Upper
77 100
97 23.4 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 93.77 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

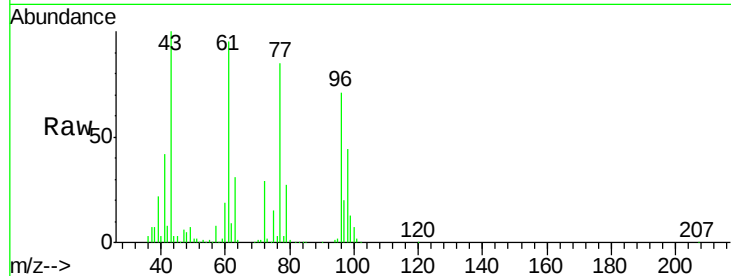
Tgt Ion: 96 Resp: 297706

Ion Ratio Lower Upper

96 100

61 139.5 0.0 278.8

98 64.3 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VY001485.D (-817) (-)

Ion 60.90 (60.60 to 61.60): VY001485.D (-817) (-)

Ion 97.90 (97.60 to 98.60): VY001485.D (-817) (-)

200000

150000

100000

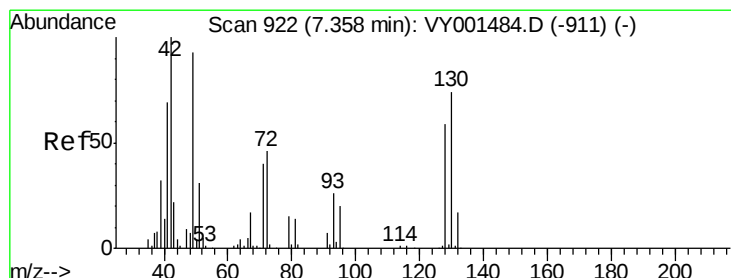
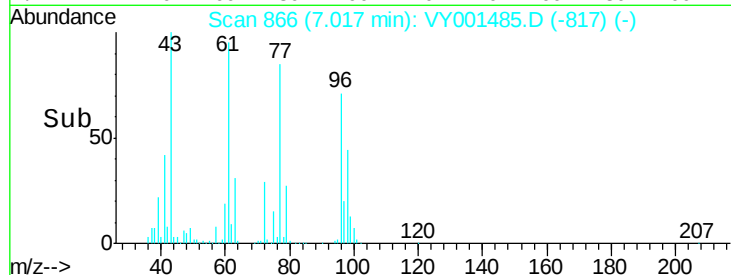
50000

0

7.02

6.90 7.00 7.10 7.20

Time-->



#28

Bromochloromethane

Concen: 86.35 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

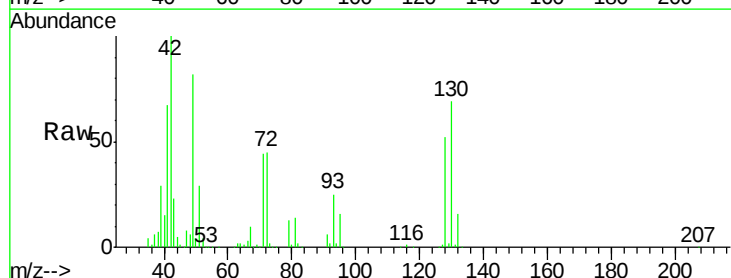
Tgt Ion: 49 Resp: 169759

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.8

130 82.9 65.4 98.2



Abundance Ion 48.90 (48.60 to 49.60): VY001485.D (-873) (-)

Ion 128.80 (128.50 to 129.50): VY001485.D (-873) (-)

Ion 129.80 (129.50 to 130.50): VY001485.D (-873) (-)

80000

60000

40000

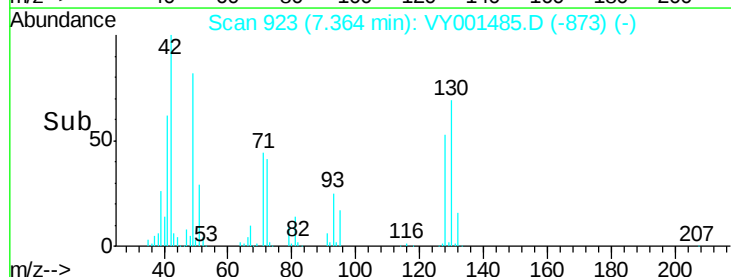
20000

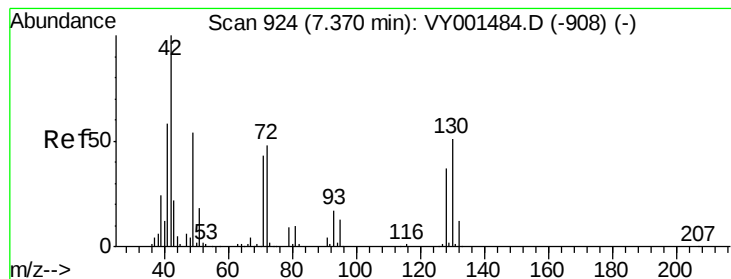
0

7.36

7.20 7.30 7.40 7.50

Time-->





#29

Tetrahydrofuran

Concen: 360.96 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

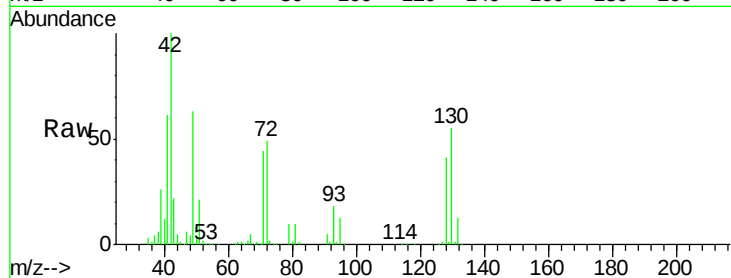
Tgt Ion: 42 Resp: 247098

Ion Ratio Lower Upper

42 100

72 47.6 37.8 56.6

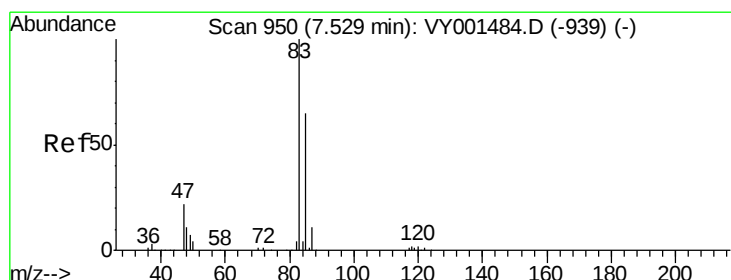
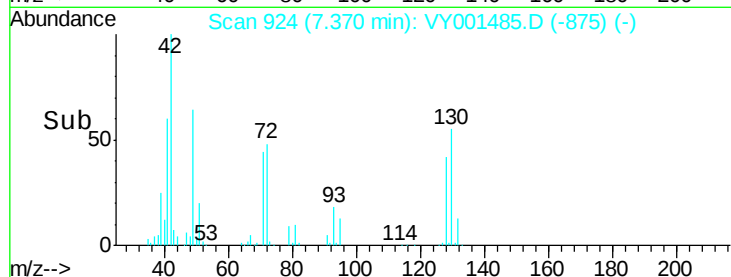
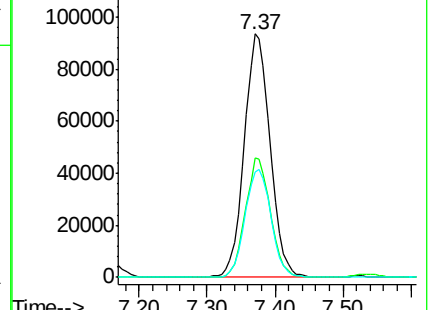
71 44.6 34.8 52.2



Abundance Ion 42.00 (41.70 to 42.70): VY001484.D (-908) (-)

Ion 72.00 (71.70 to 72.70): VY001484.D (-908) (-)

Ion 71.00 (70.70 to 71.70): VY001484.D (-908) (-)



#30

Chloroform

Concen: 94.66 ug/l

RT: 7.54 min Scan# 951

Delta R.T. 0.01 min

Lab File: VY001485.D

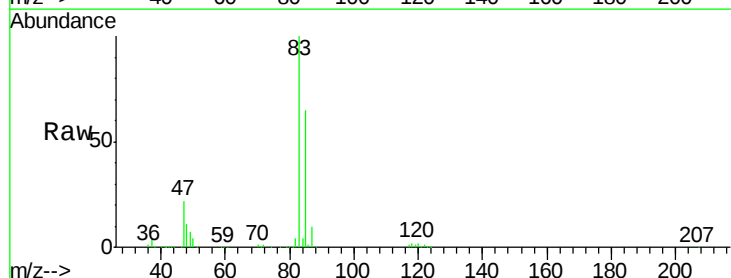
Acq: 04 Feb 2020 14:21

Tgt Ion: 83 Resp: 455922

Ion Ratio Lower Upper

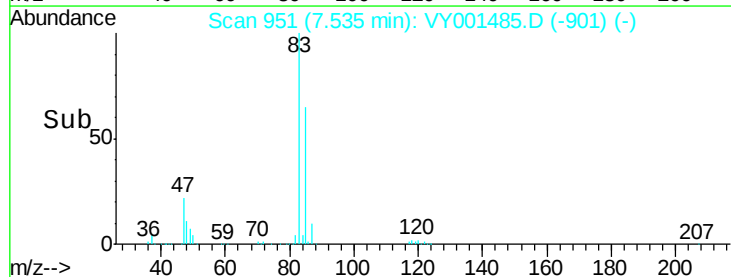
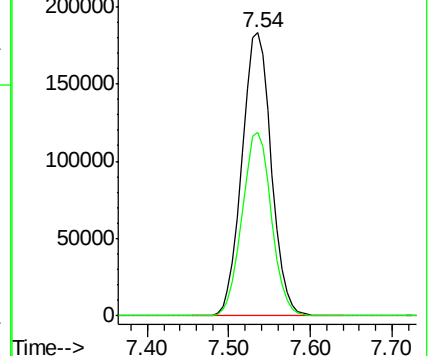
83 100

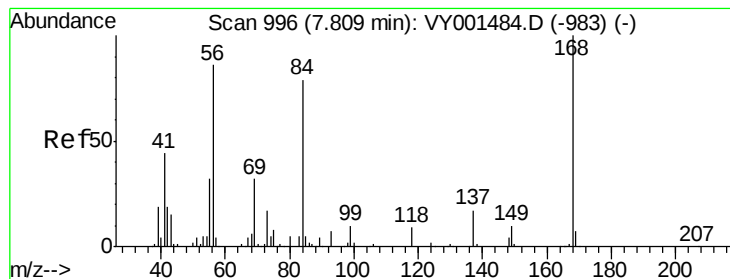
85 65.0 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VY001484.D (-939) (-)

Ion 84.90 (84.60 to 85.60): VY001484.D (-939) (-)





#31

Cyclohexane

Concen: 89.69 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

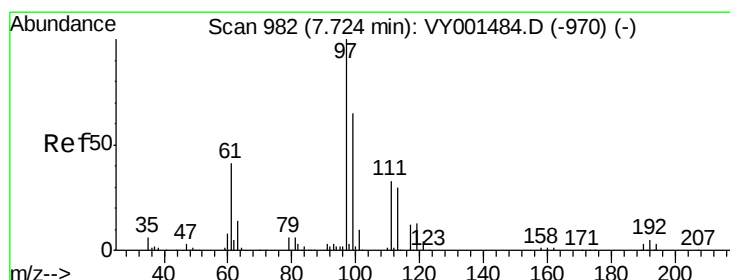
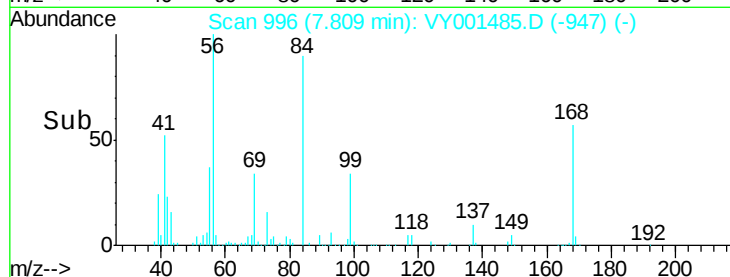
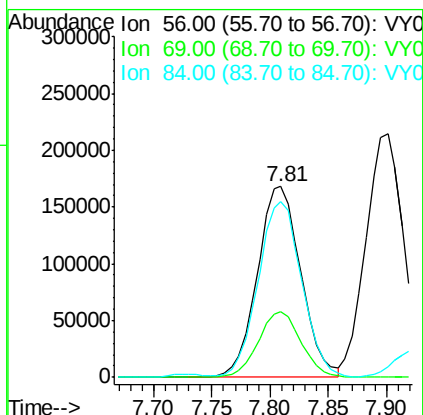
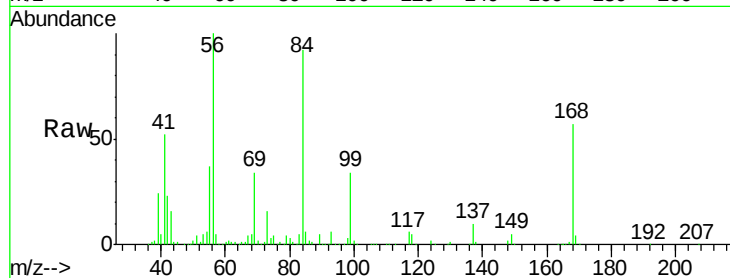
Tgt Ion: 56 Resp: 436390

Ion Ratio Lower Upper

56 100

69 34.4 29.6 44.4

84 90.6 73.6 110.4



#32

1,1,1-Trichloroethane

Concen: 100.97 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

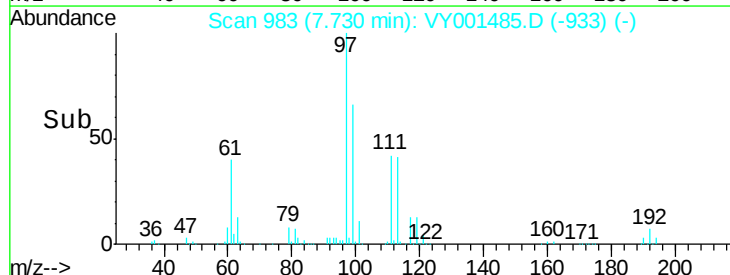
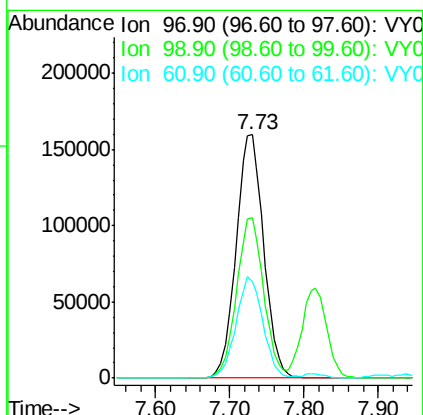
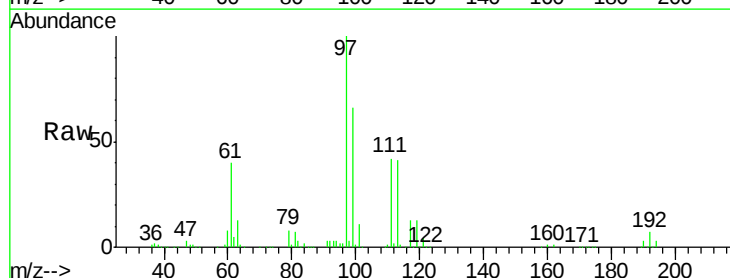
Tgt Ion: 97 Resp: 414569

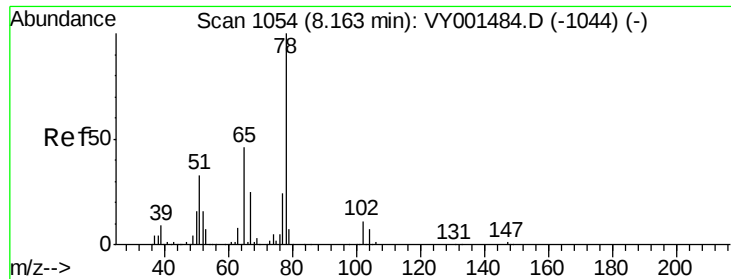
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.8

61 40.6 32.5 48.7

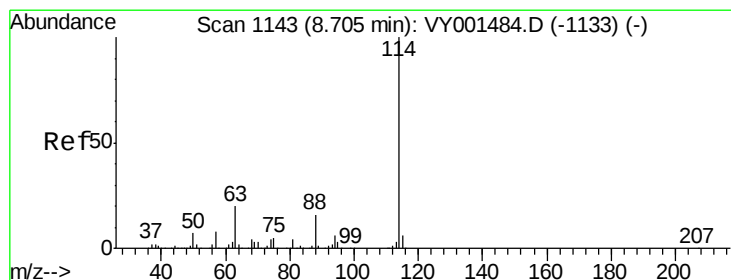
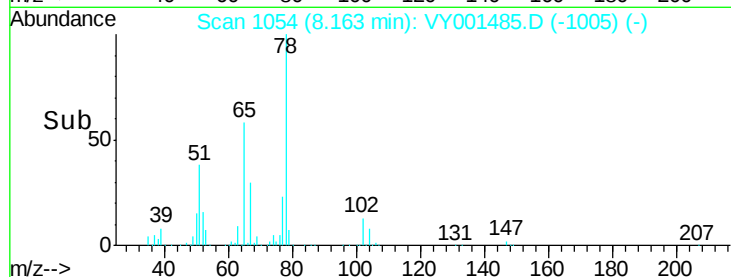
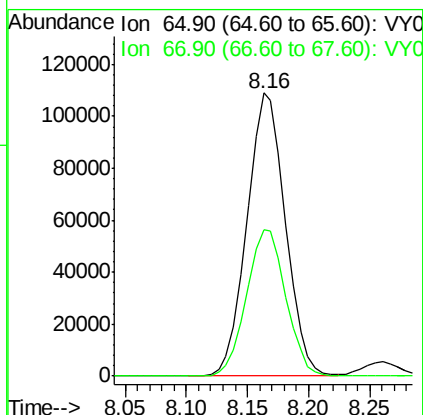
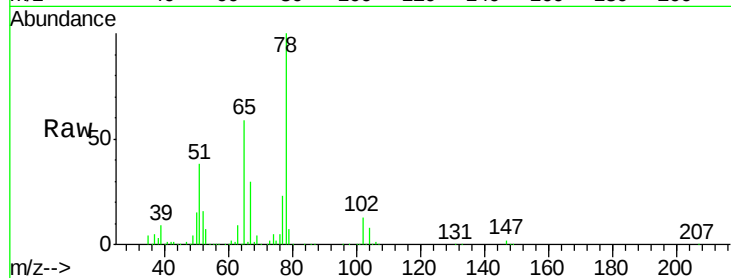




#33
 1,2-Dichloroethane-d4
 Concen: 95.94 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

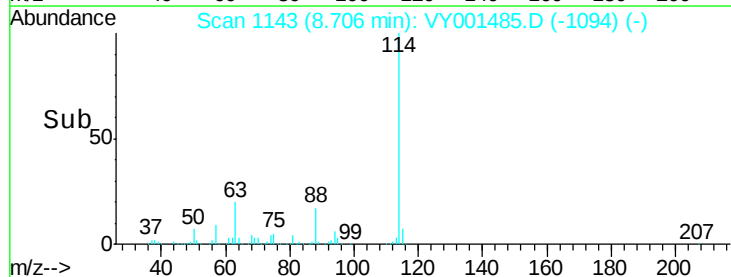
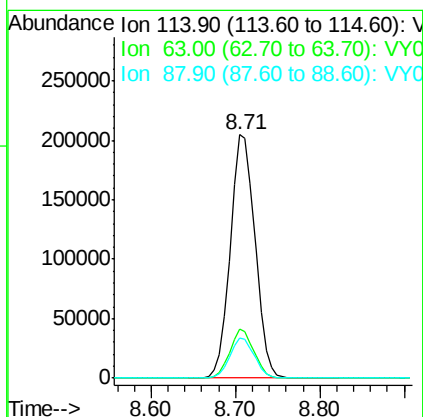
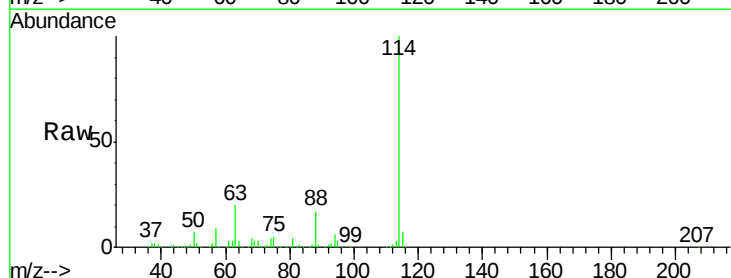
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

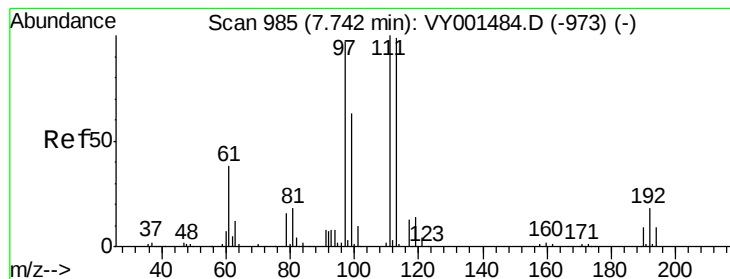
Tgt Ion: 65 Resp: 238279
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

Tgt Ion: 114 Resp: 406962
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 97.82 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

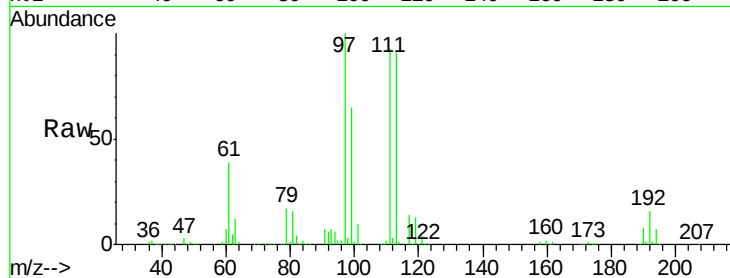
Tgt Ion: 113 Resp: 232290

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

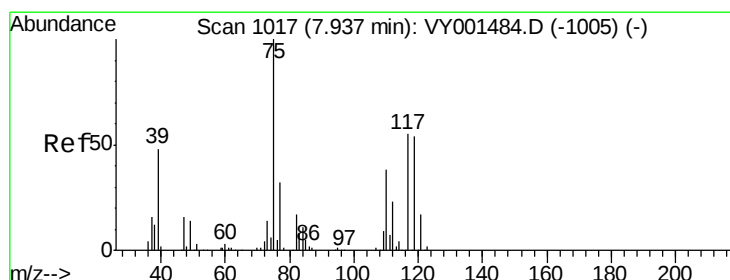
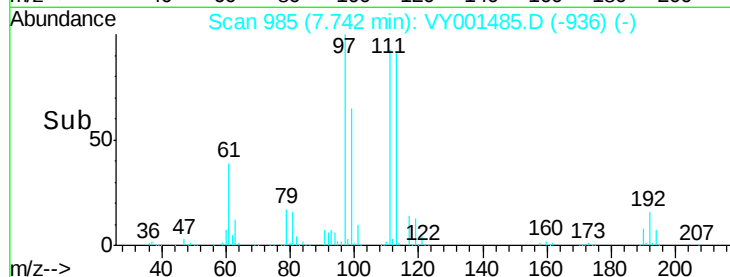
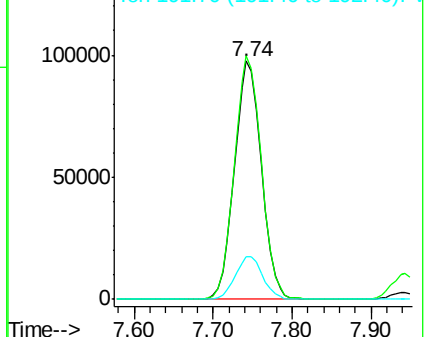
192 18.3 14.6 22.0



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: 94.93 ug/l

RT: 7.94 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

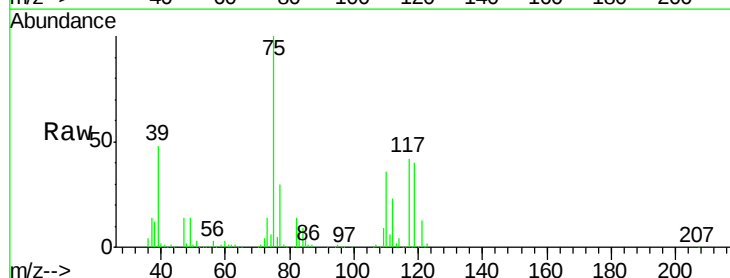
Tgt Ion: 75 Resp: 366055

Ion Ratio Lower Upper

75 100

110 36.5 18.2 54.6

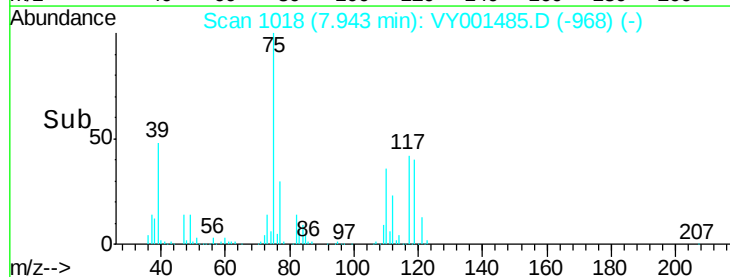
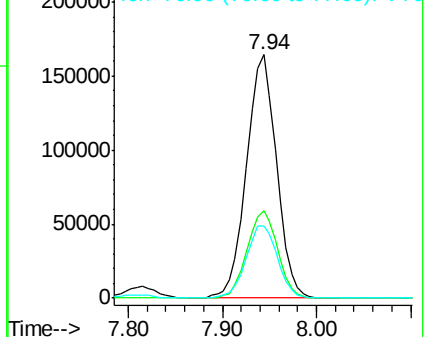
77 31.2 25.0 37.4

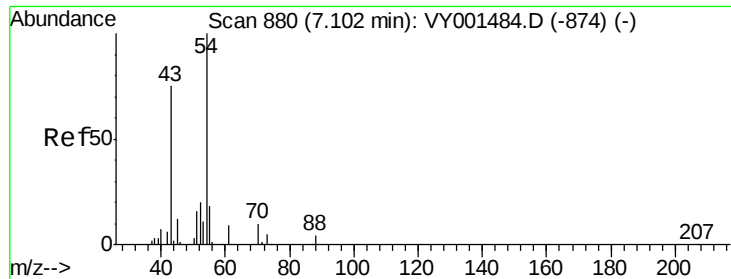


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

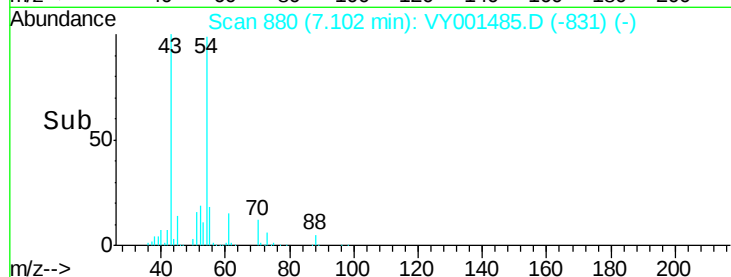
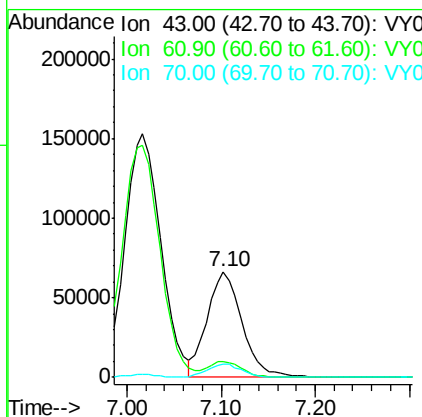
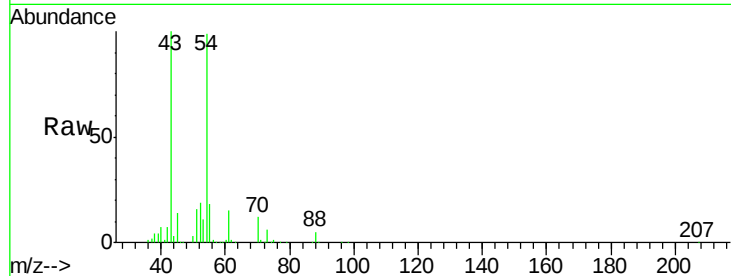




#37
Ethyl Acetate
Concen: 75.74 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

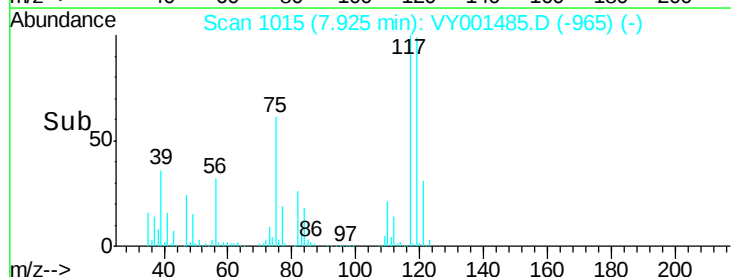
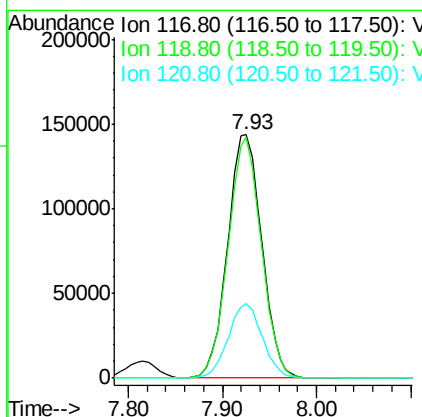
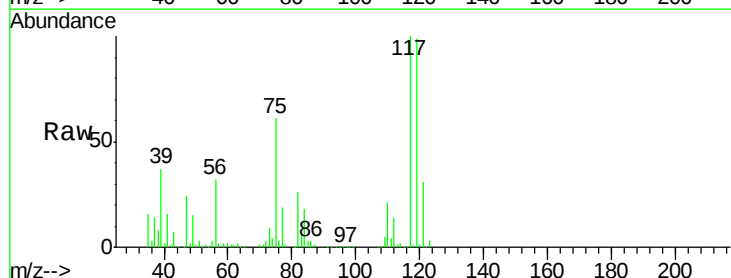
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

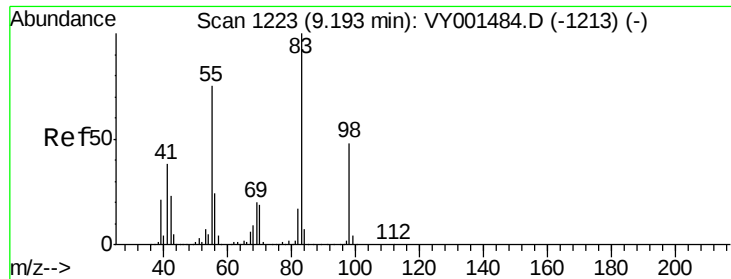
Tgt Ion: 43 Resp: 170759
Ion Ratio Lower Upper
43 100
61 14.1 12.0 18.0
70 12.3 10.2 15.4



#38
Carbon Tetrachloride
Concen: 103.83 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion: 117 Resp: 361535
Ion Ratio Lower Upper
117 100
119 99.1 76.4 114.6
121 30.6 24.2 36.4

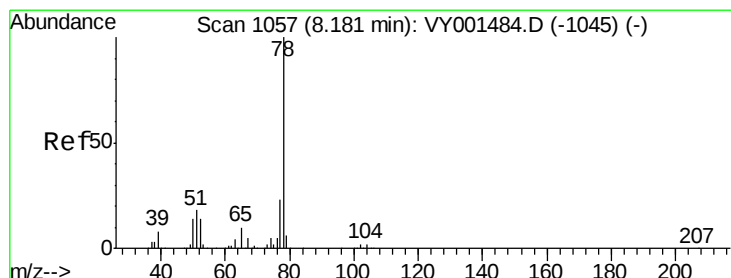
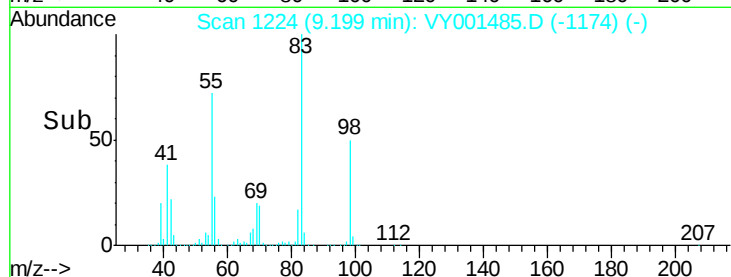
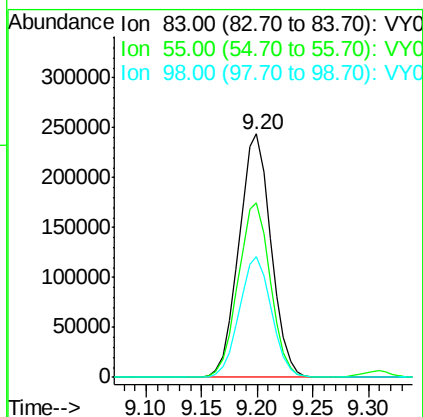
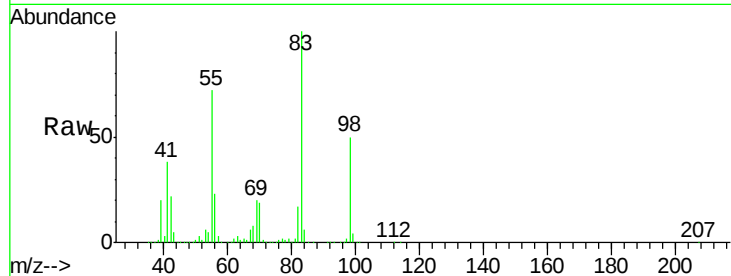




#39
Methylcyclohexane
Concen: 98.53 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

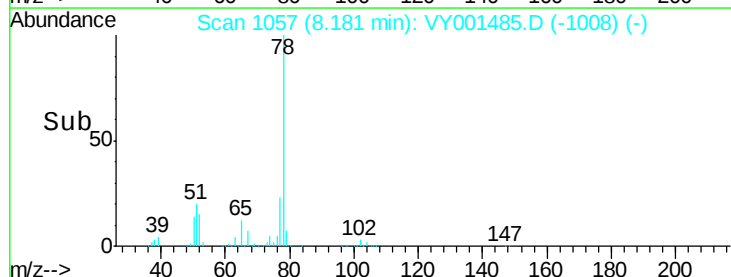
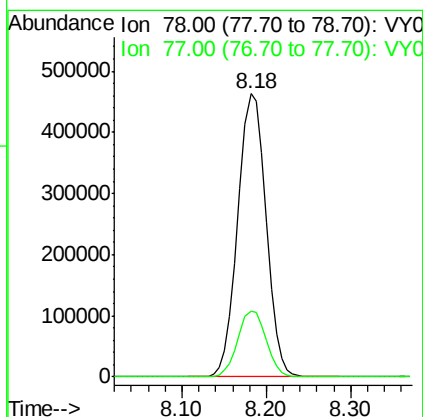
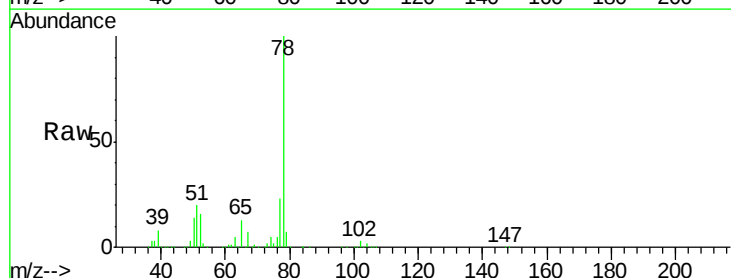
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 488737
Ion Ratio Lower Upper
83 100
55 71.6 59.8 89.6
98 49.8 38.6 57.8



#40
Benzene
Concen: 91.69 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion: 78 Resp: 1050003
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7

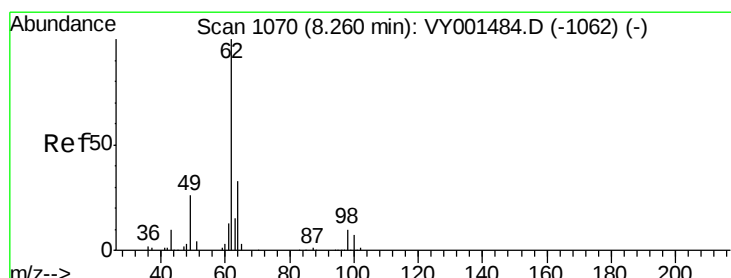
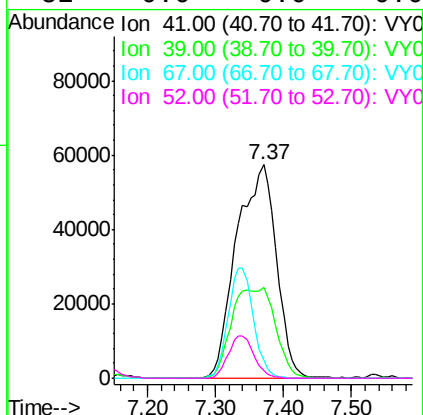
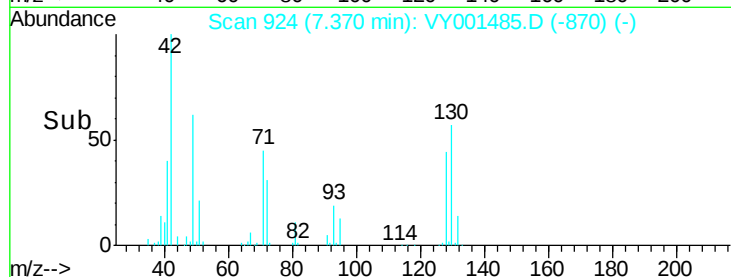
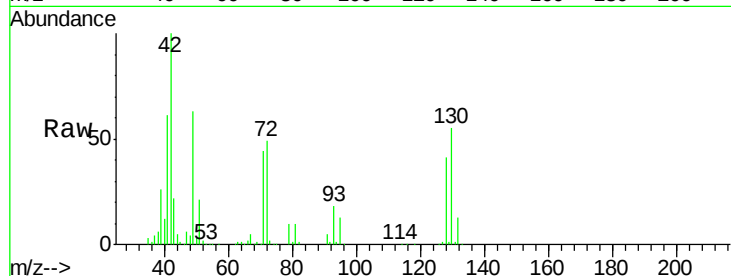




#41
Methacrylonitrile
Concen: 202.71 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

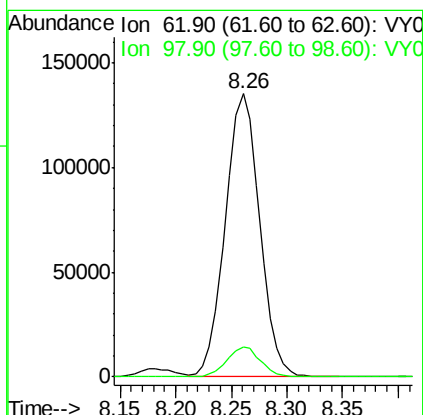
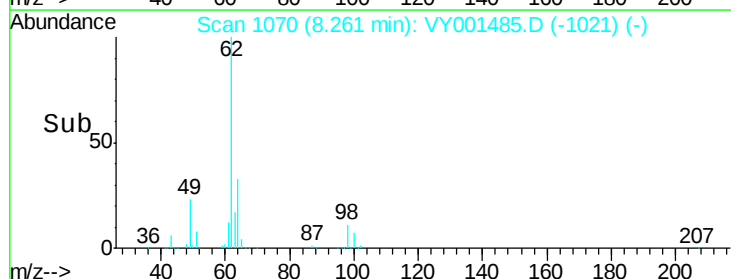
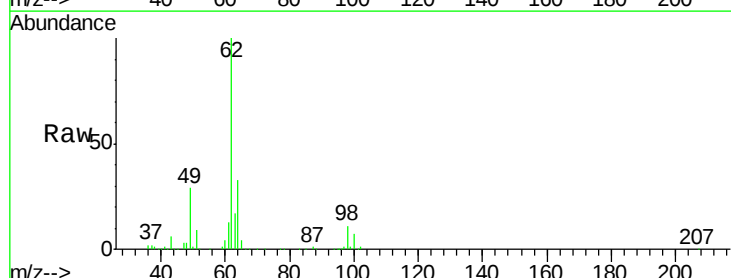
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

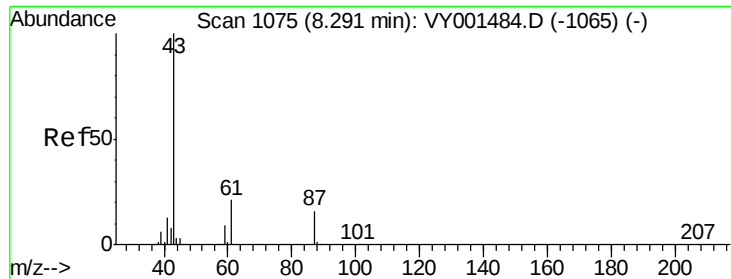
Tgt Ion: 41 Resp: 233337
Ion Ratio Lower Upper
41 100
39 0.0 116.8 175.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 91.08 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion: 62 Resp: 289714
Ion Ratio Lower Upper
62 100
98 10.3 0.0 21.0

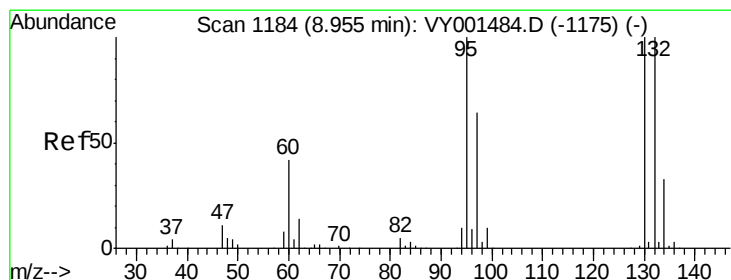
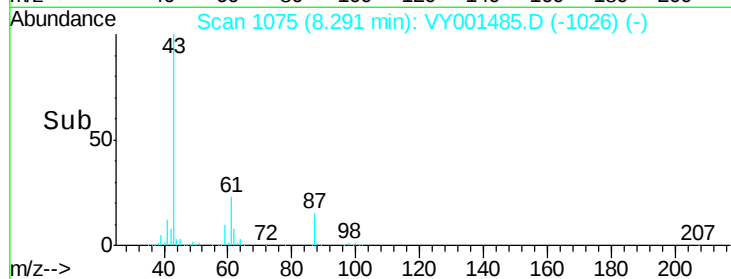
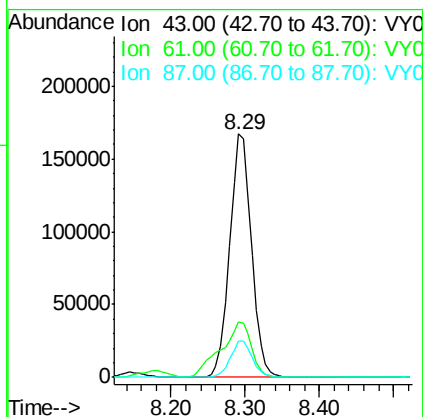
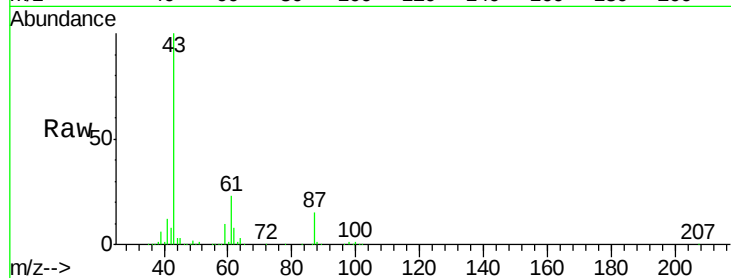




#43
Isopropyl Acetate
Concen: 78.17 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

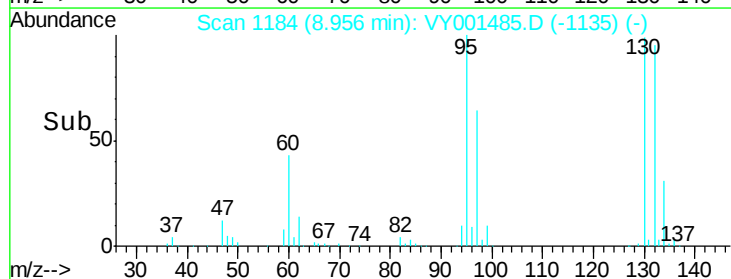
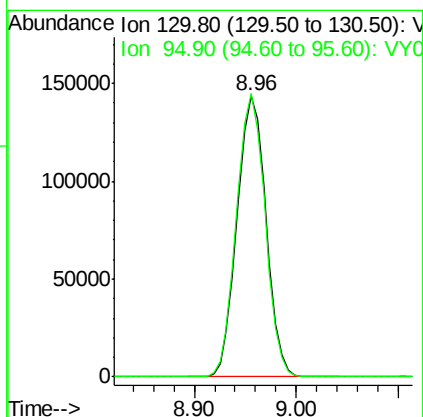
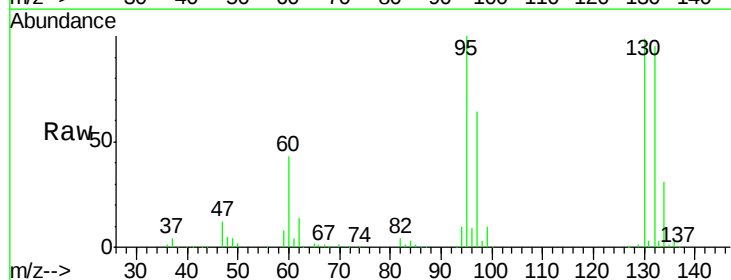
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

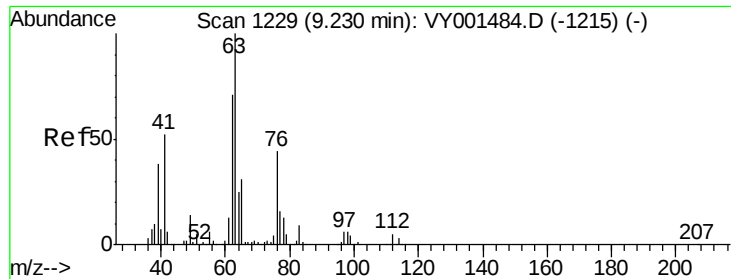
Tgt Ion: 43 Resp: 342729
Ion Ratio Lower Upper
43 100
61 31.6 25.1 37.7
87 15.3 12.6 19.0



#44
Trichloroethene
Concen: 95.33 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion: 130 Resp: 282726
Ion Ratio Lower Upper
130 100
95 100.7 0.0 199.2





#45

1,2-Dichloropropane

Concen: 89.01 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

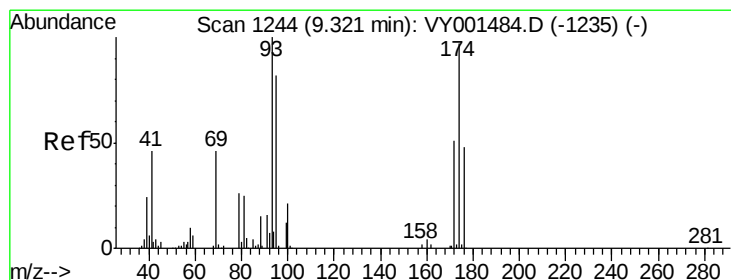
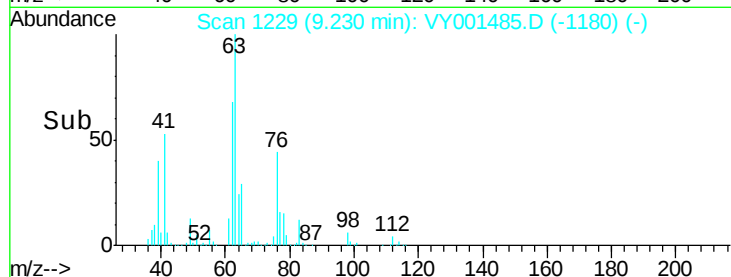
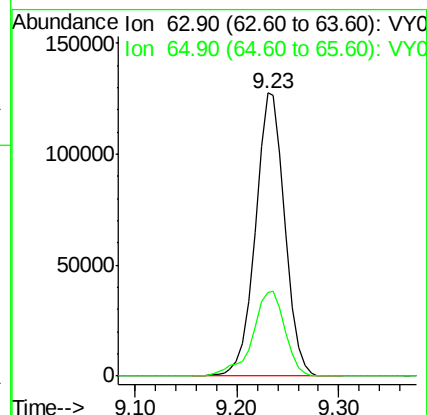
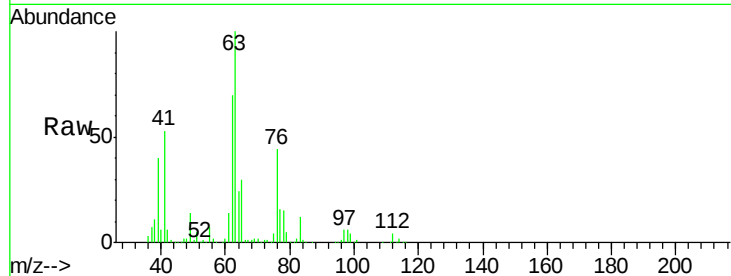
VSTDIC100

Tgt Ion: 63 Resp: 255182

Ion Ratio Lower Upper

63 100

65 29.8 25.0 37.4



#46

Dibromomethane

Concen: 91.08 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

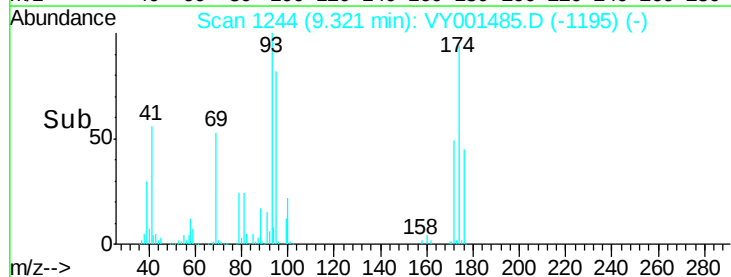
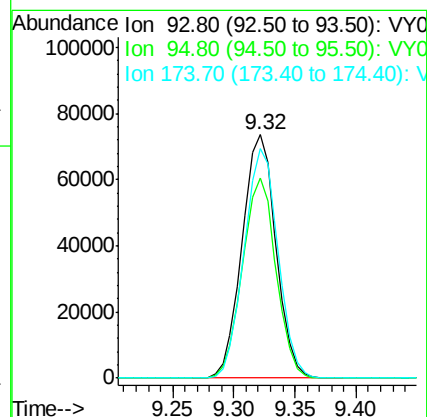
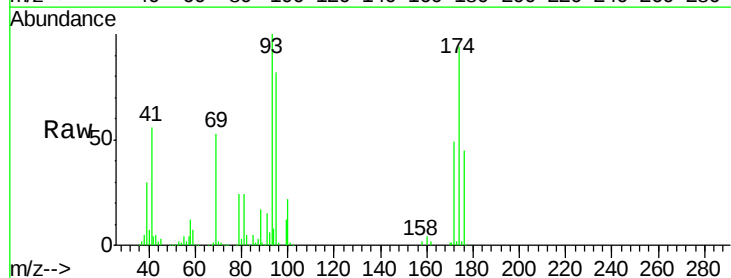
Tgt Ion: 93 Resp: 141074

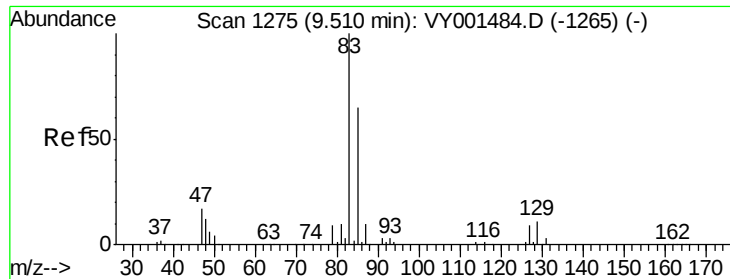
Ion Ratio Lower Upper

93 100

95 81.6 66.6 99.8

174 94.7 75.4 113.2

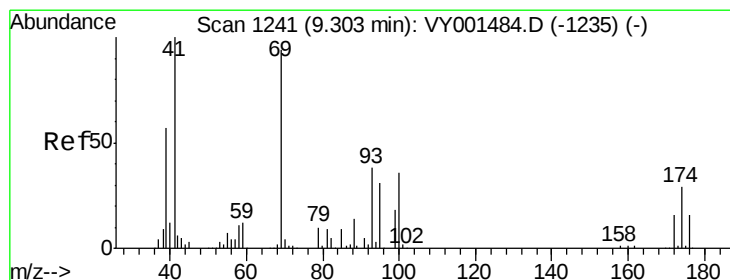
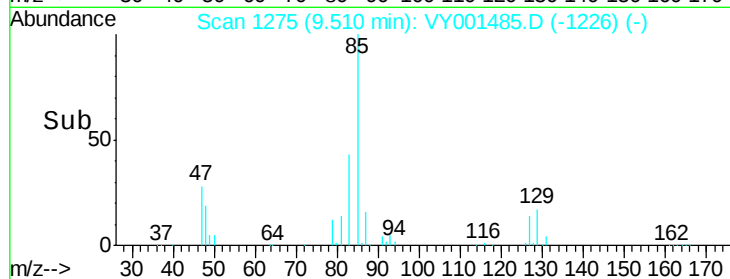
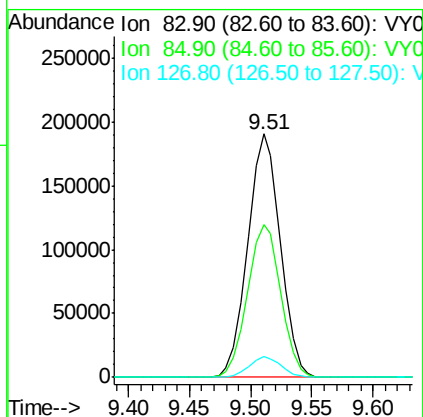
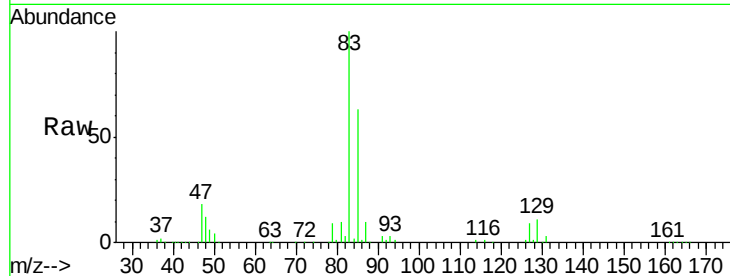




#47
Bromodichloromethane
Concen: 94.91 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

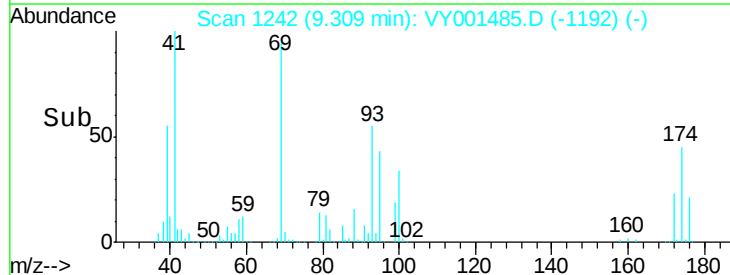
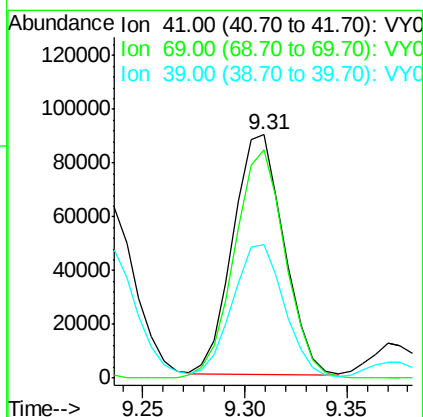
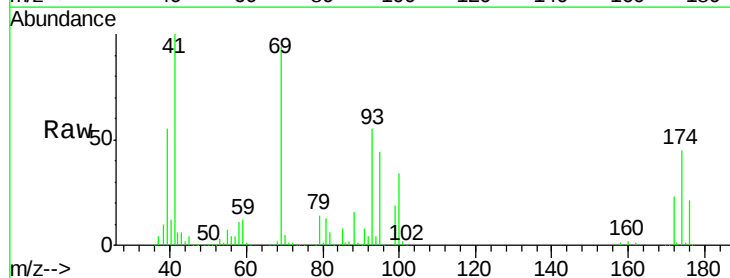
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

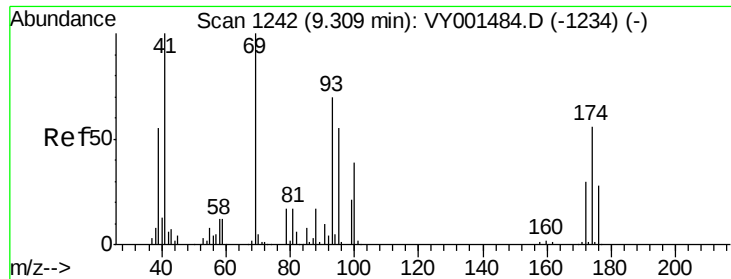
Tgt Ion: 83 Resp: 353845
Ion Ratio Lower Upper
83 100
85 62.9 51.9 77.9
127 8.7 6.9 10.3



#48
Methyl methacrylate
Concen: 77.61 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion: 41 Resp: 155287
Ion Ratio Lower Upper
41 100
69 95.0 76.6 114.8
39 57.3 45.4 68.0

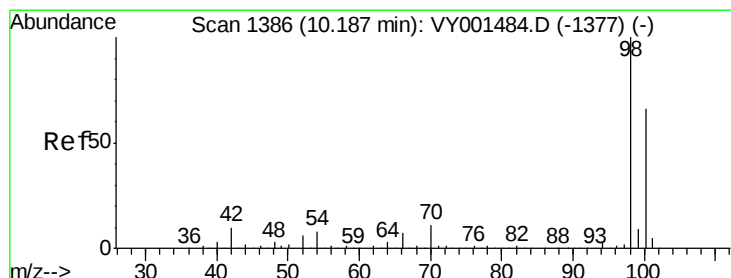
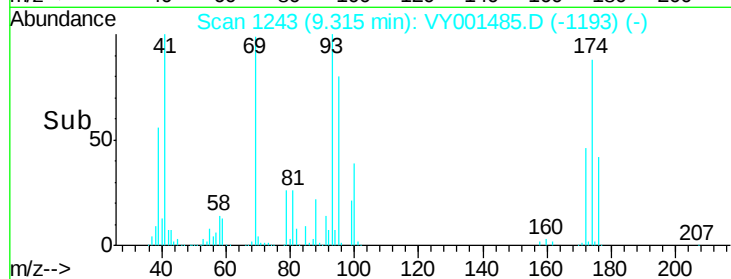
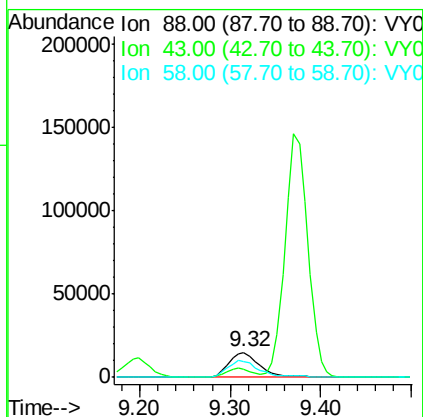
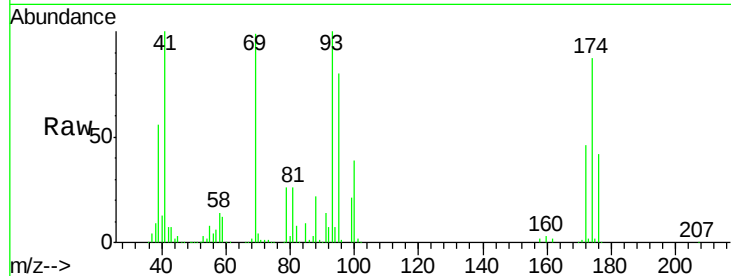




#49
 1,4-Dioxane
 Concen: 1693.08 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

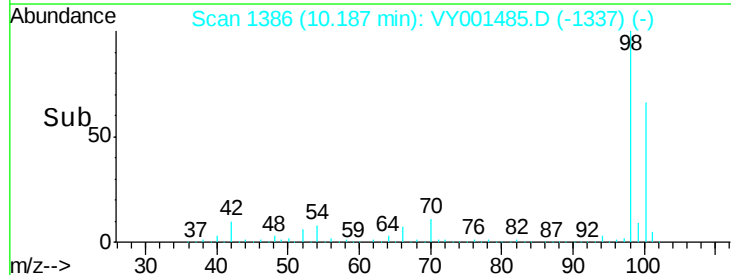
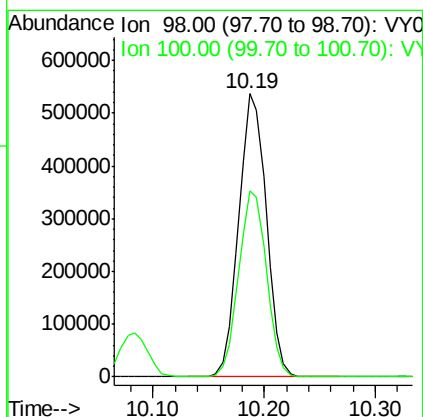
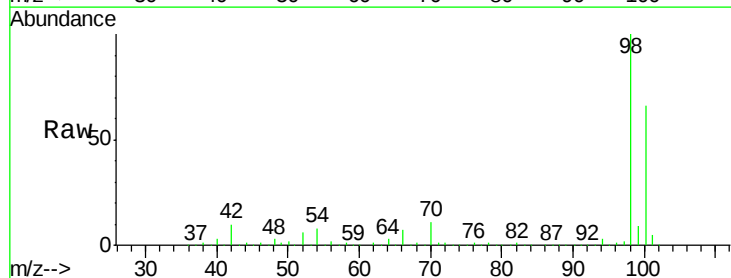
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

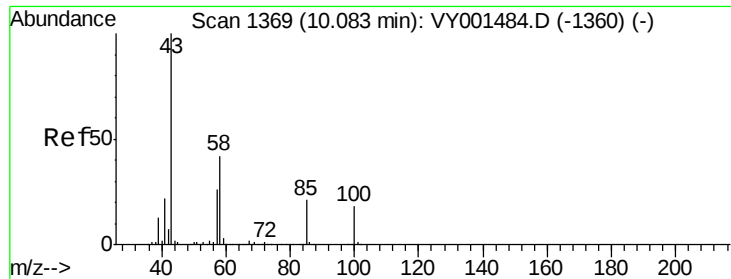
Tgt Ion: 88 Resp: 36415
 Ion Ratio Lower Upper
 88 100
 43 29.3 24.8 37.2
 58 69.6 59.3 88.9



#50
 Toluene-d8
 Concen: 100.35 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

Tgt Ion: 98 Resp: 924223
 Ion Ratio Lower Upper
 98 100
 100 66.1 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 367.33 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

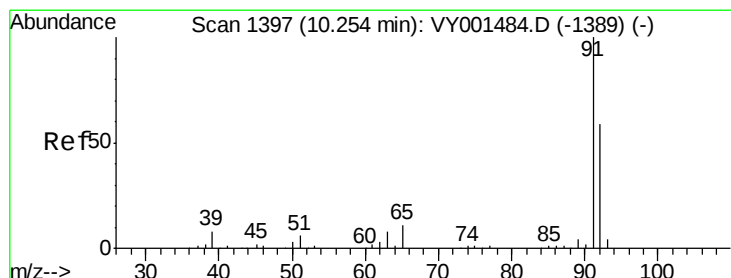
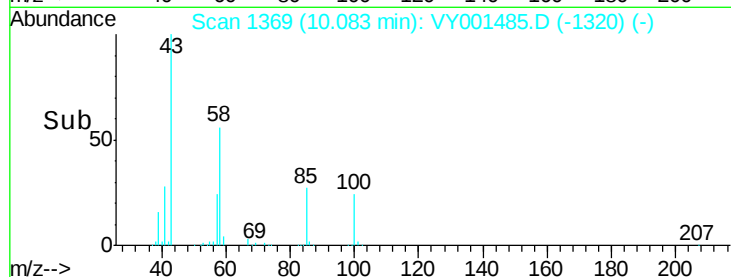
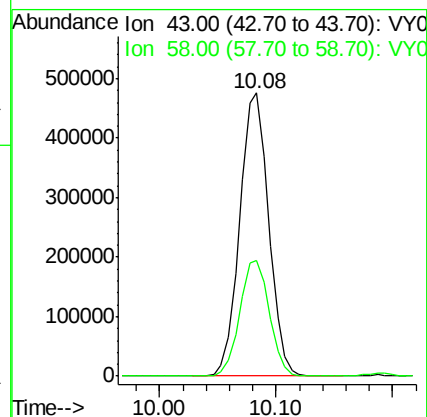
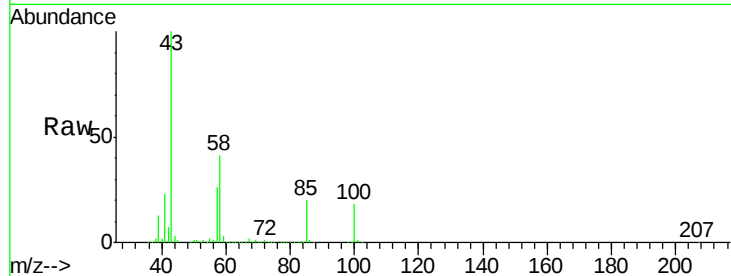
VSTDIC100

Tgt Ion: 43 Resp: 825866

Ion Ratio Lower Upper

43 100

58 41.7 33.9 50.9



#52

Toluene

Concen: 91.51 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY001485.D

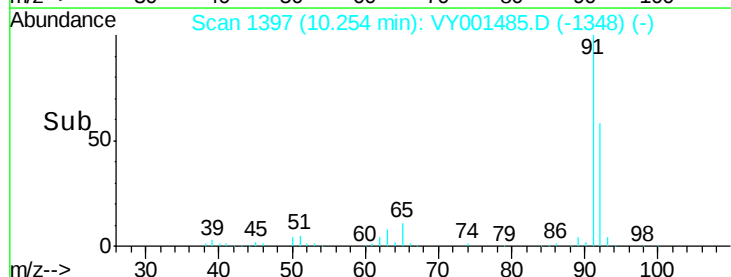
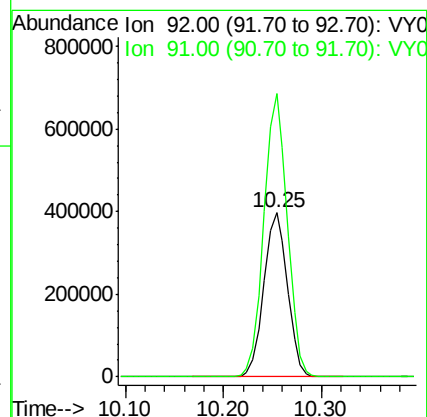
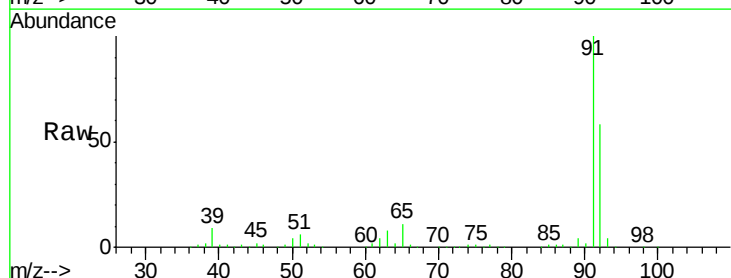
Acq: 04 Feb 2020 14:21

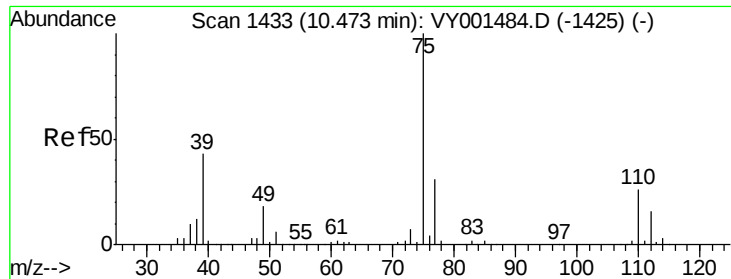
Tgt Ion: 92 Resp: 663857

Ion Ratio Lower Upper

92 100

91 171.0 136.6 204.8

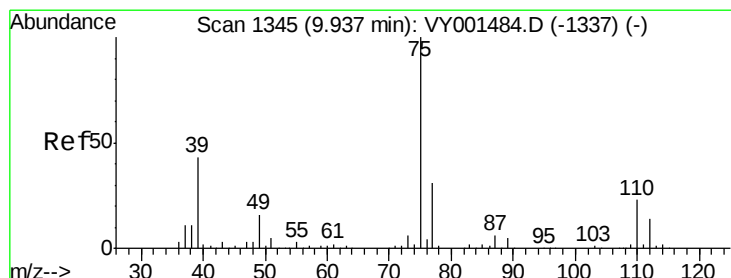
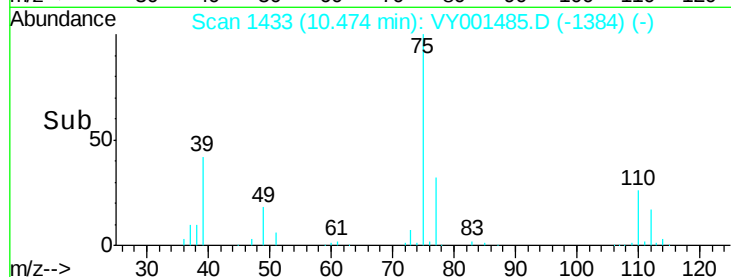
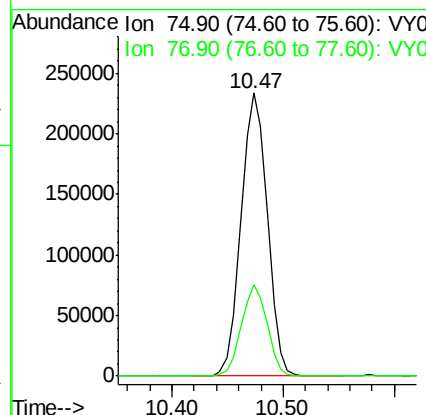
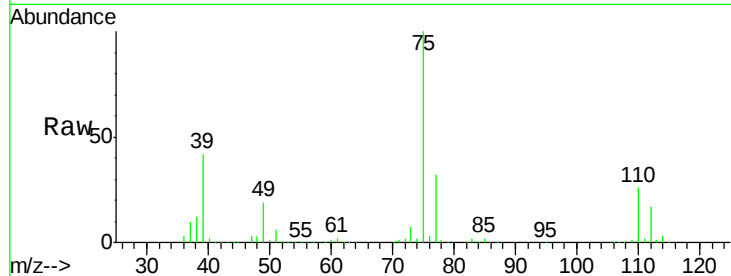




#53
 t-1,3-Dichloropropene
 Concen: 93.10 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

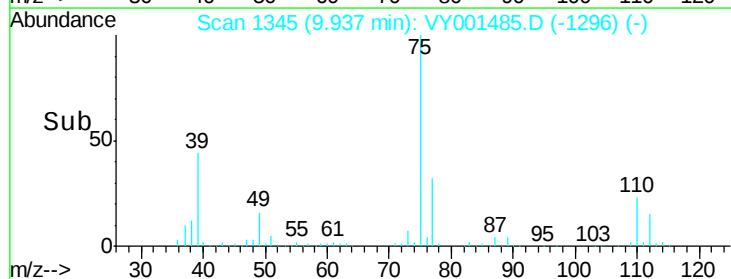
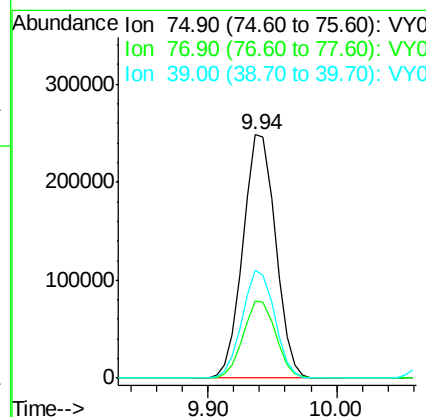
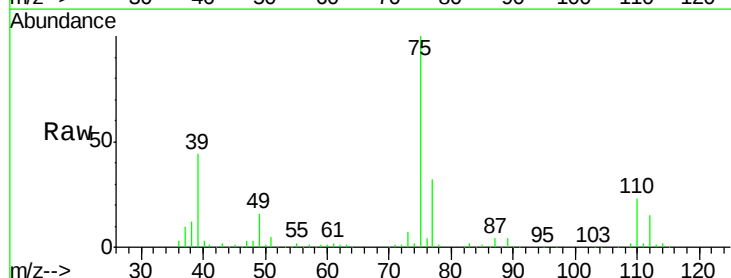
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

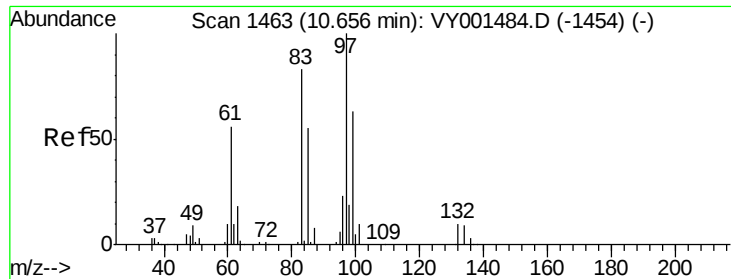
Tgt Ion: 75 Resp: 381399
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 92.49 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

Tgt Ion: 75 Resp: 436779
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.7 37.1
 39 44.3 34.0 51.0

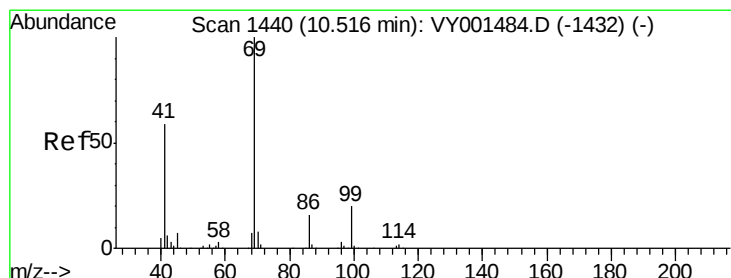
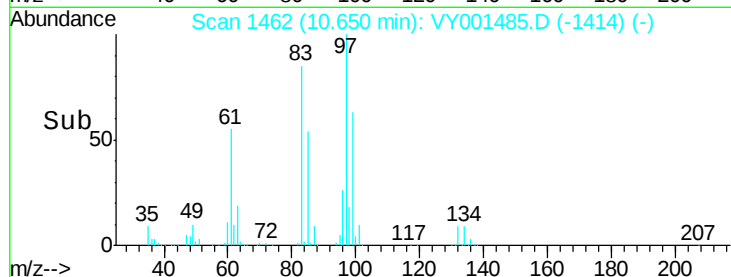
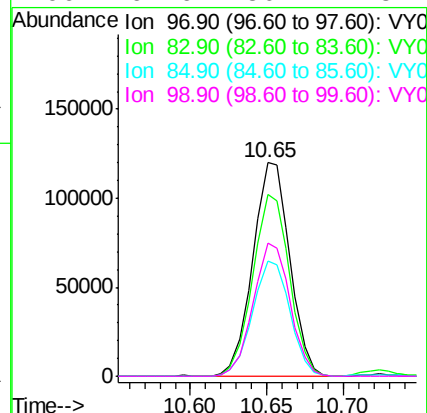
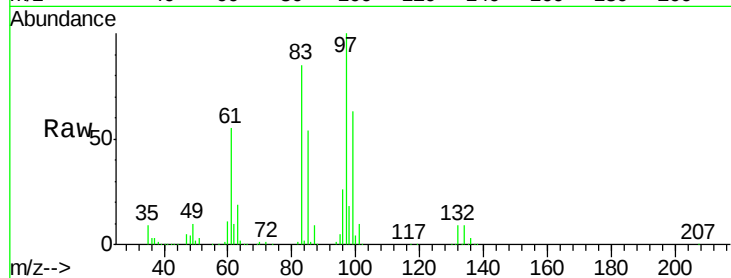




#55
 1,1,2-Trichloroethane
 Concen: 89.28 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

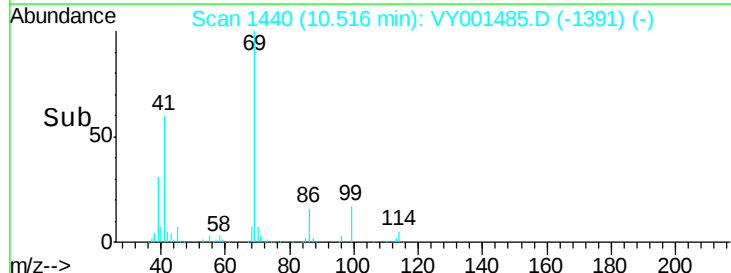
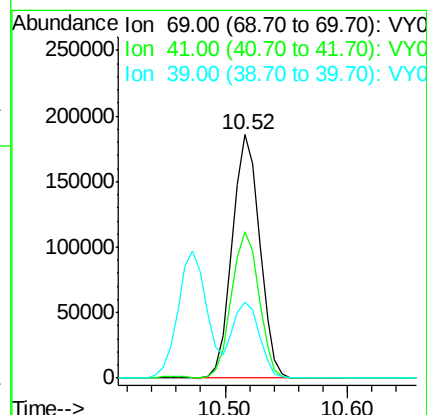
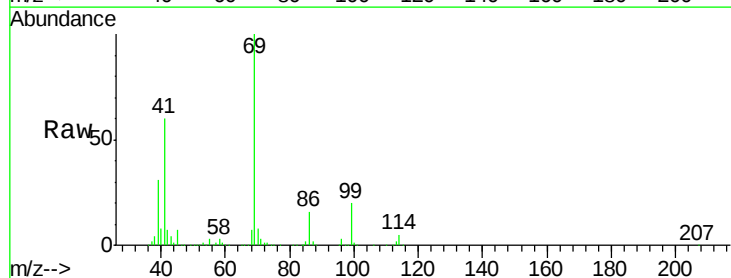
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

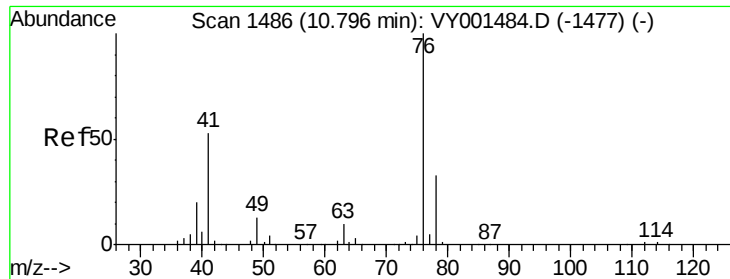
Tgt Ion:	97	Resp:	202717
Ion	Ratio	Lower	Upper
97	100		
83	84.9	66.2	99.2
85	53.9	43.8	65.6
99	62.6	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 84.49 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

Tgt Ion:	69	Resp:	287550
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.8	71.8
39	30.3	24.4	36.6

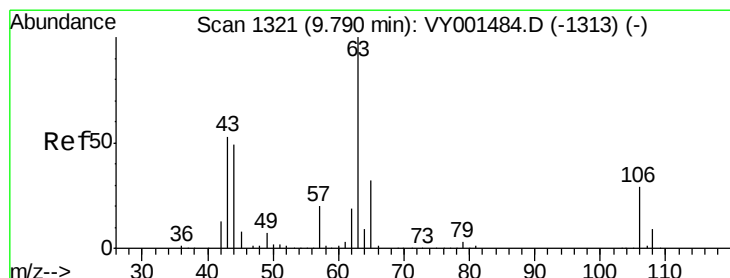
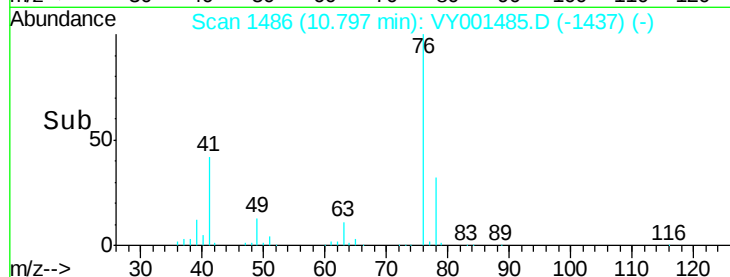
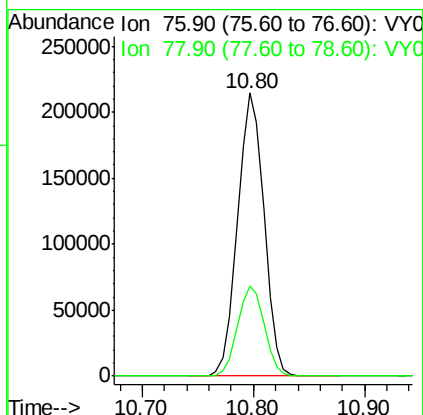
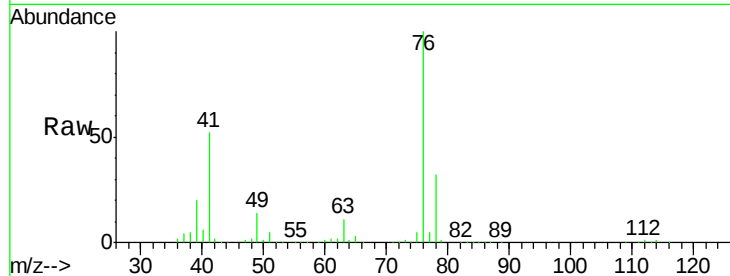




#57
 1,3-Dichloropropane
 Concen: 88.87 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

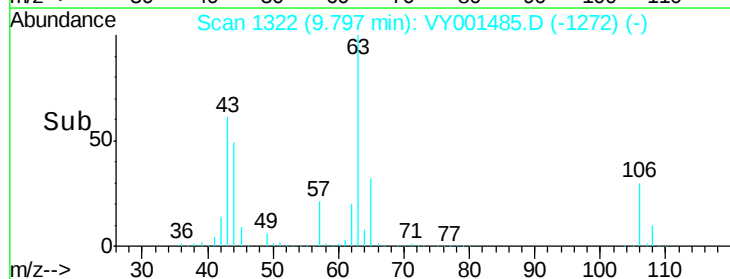
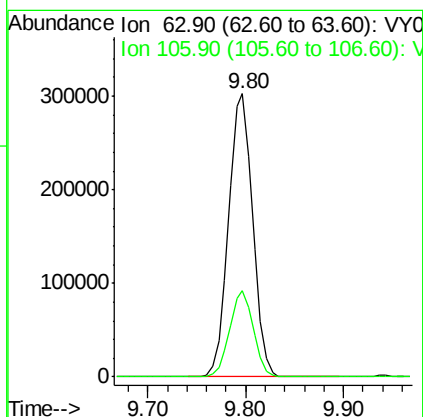
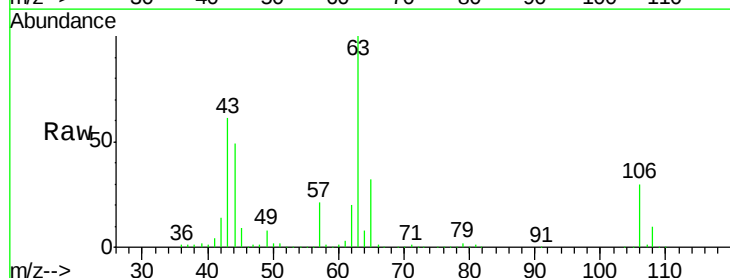
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

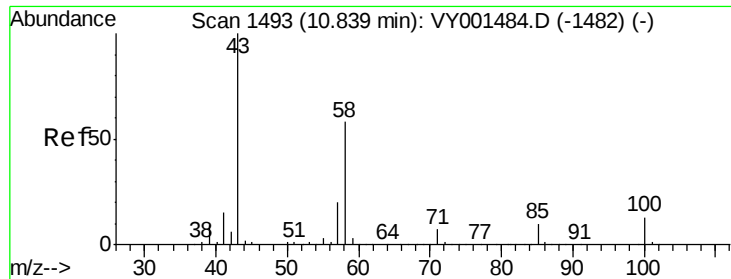
Tgt Ion: 76 Resp: 352375
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 423.36 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

Tgt Ion: 63 Resp: 515199
 Ion Ratio Lower Upper
 63 100
 106 29.7 24.0 36.0





#59

2-Hexanone

Concen: 383.27 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

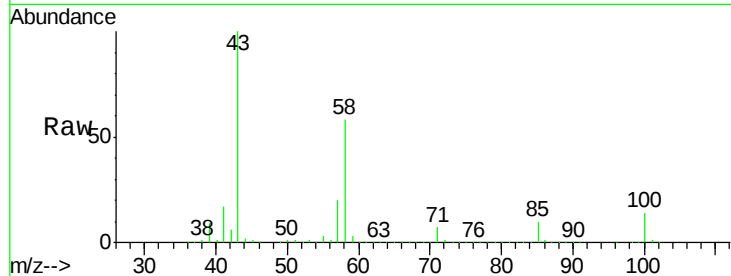
VSTDIC100

Tgt Ion: 43 Resp: 602588

Ion Ratio Lower Upper

43 100

58 57.7 29.0 87.0

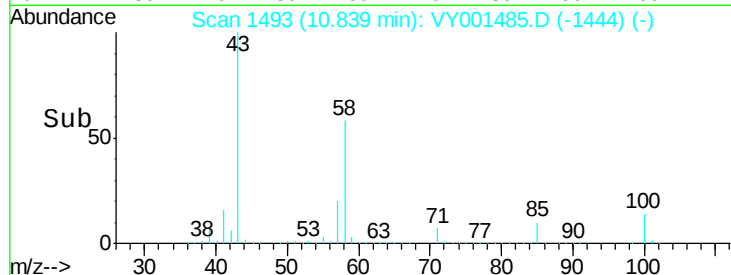


Abundance Ion 43.00 (42.70 to 43.70): VY001484.D (-1482) (-)

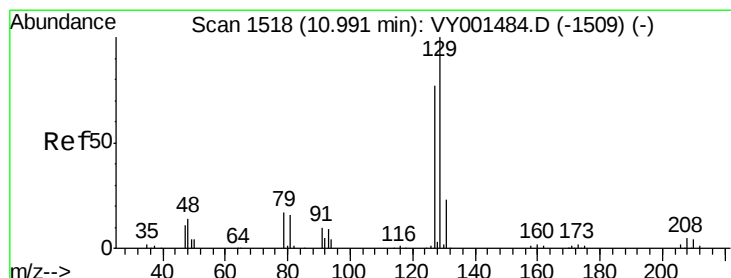
Ion 58.00 (57.70 to 58.70): VY001484.D (-1482) (-)

10.84

10.80 10.90



Time-->



#60

Dibromochloromethane

Concen: 94.85 ug/l

RT: 10.99 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VY001485.D

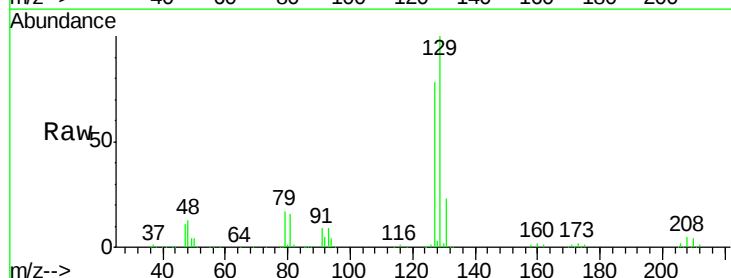
Acq: 04 Feb 2020 14:21

Tgt Ion: 129 Resp: 243801

Ion Ratio Lower Upper

129 100

127 77.4 38.9 116.6

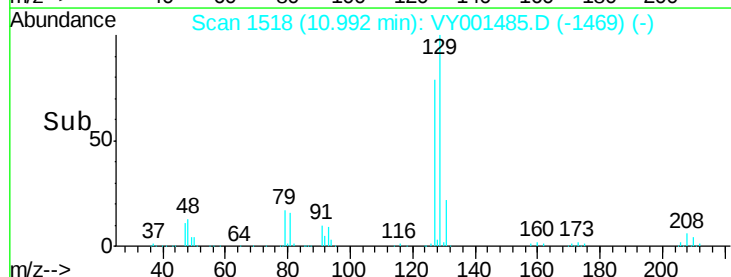


Abundance Ion 128.80 (128.50 to 129.50): VY001484.D (-1509) (-)

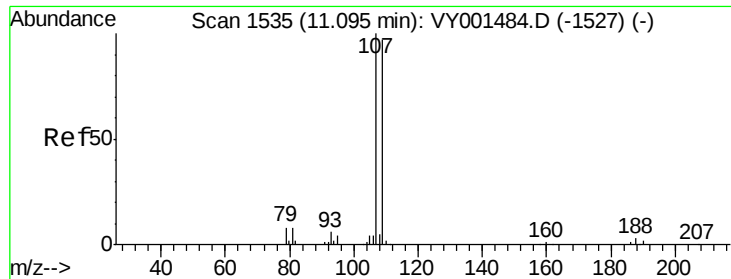
Ion 126.80 (126.50 to 127.50): VY001484.D (-1509) (-)

10.99

10.90 11.00



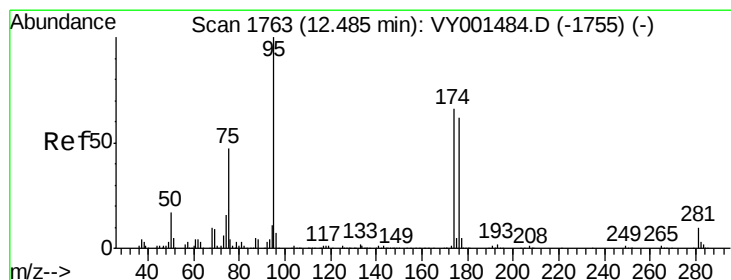
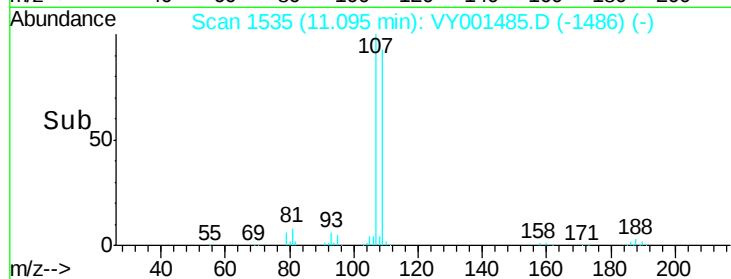
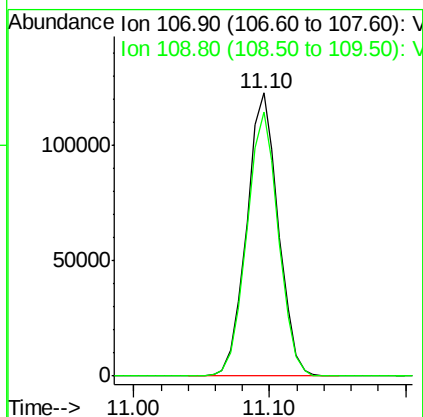
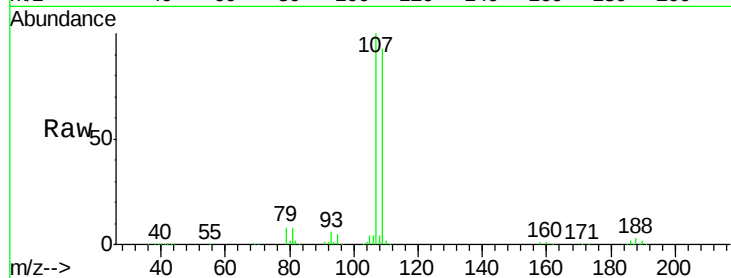
Time-->



#61
 1,2-Dibromoethane
 Concen: 92.48 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

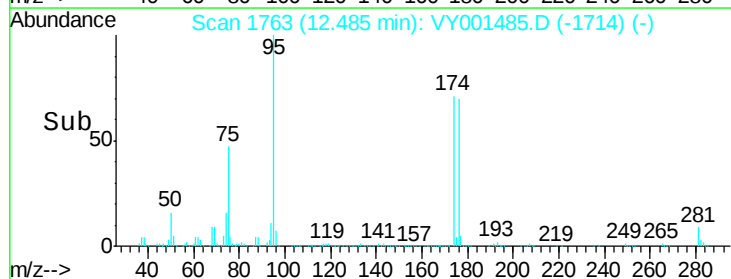
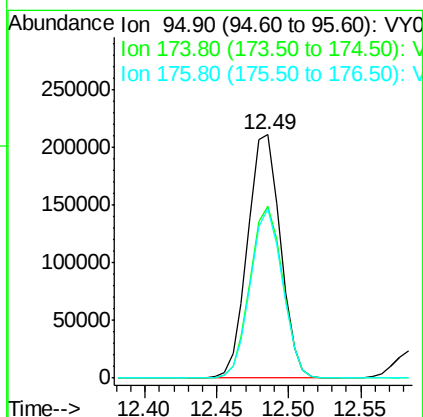
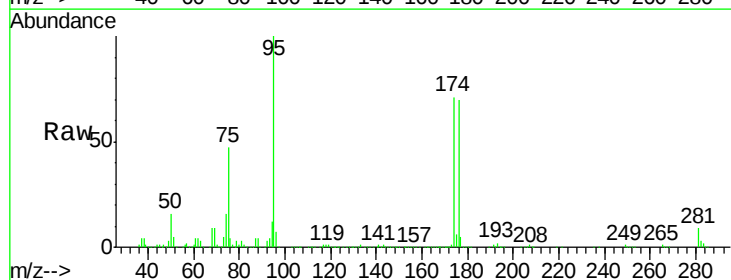
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tgt Ion: 107 Resp: 199610
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 91.29 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

Tgt Ion: 95 Resp: 332791
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 141.4
 176 68.3 0.0 135.4

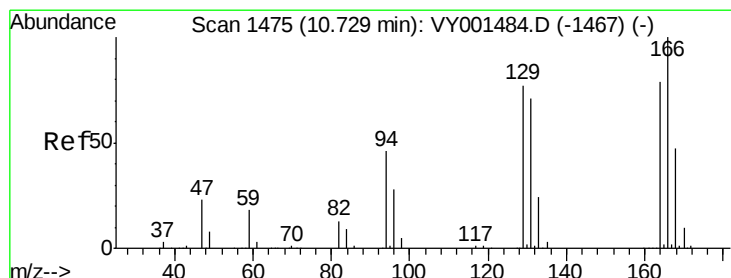
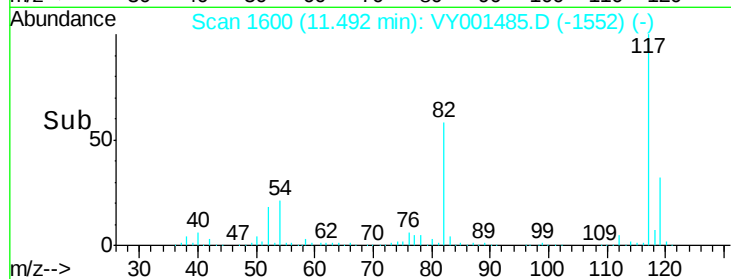
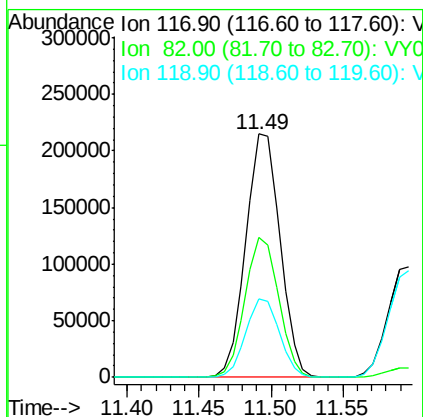
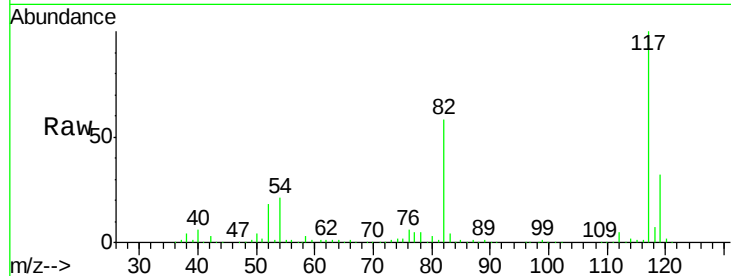




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

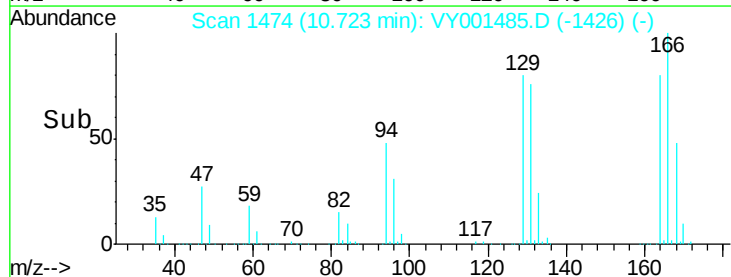
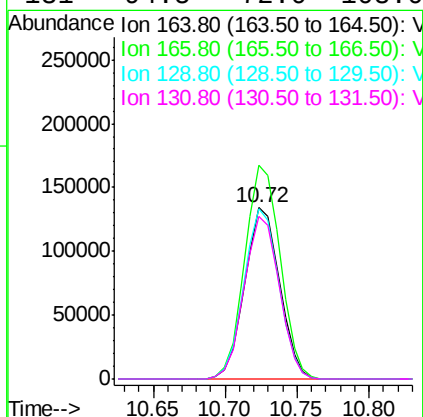
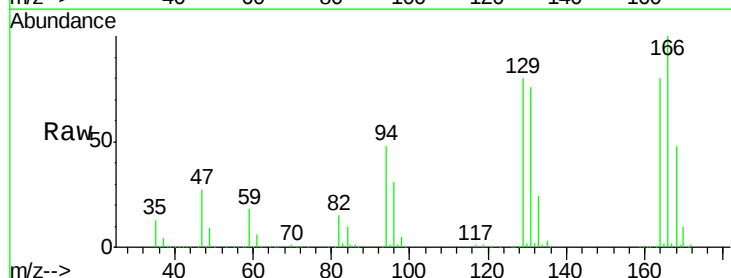
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

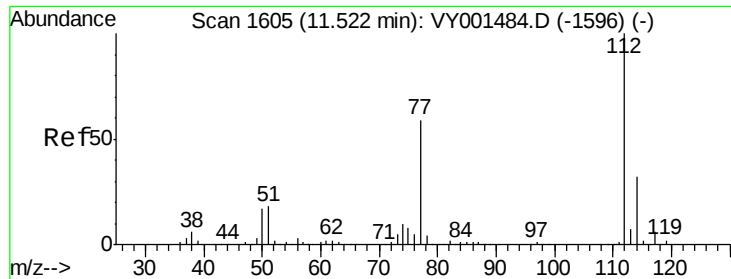
Tgt Ion:117 Resp: 355183
Ion Ratio Lower Upper
117 100
82 57.7 46.1 69.1
119 32.5 26.1 39.1



#64
Tetrachloroethene
Concen: 97.51 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion:164 Resp: 224476
Ion Ratio Lower Upper
164 100
166 124.6 100.8 151.2
129 99.2 77.8 116.6
131 94.5 72.0 108.0

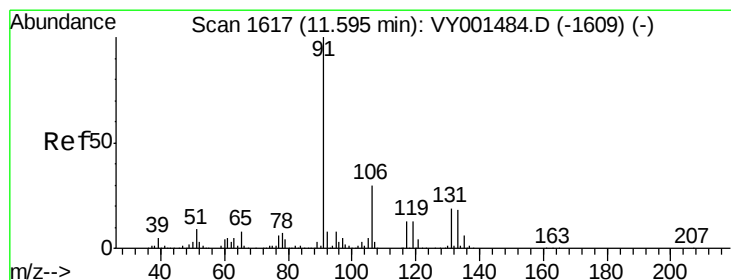
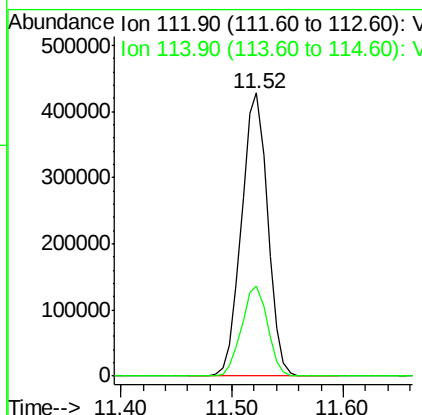
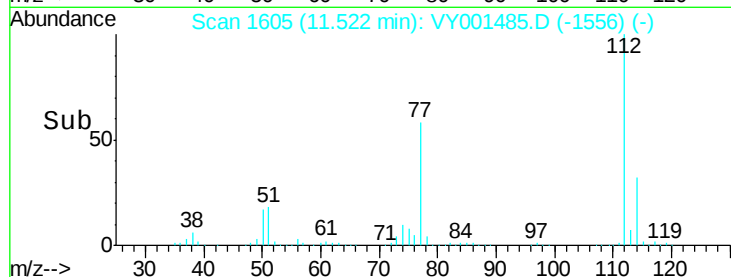
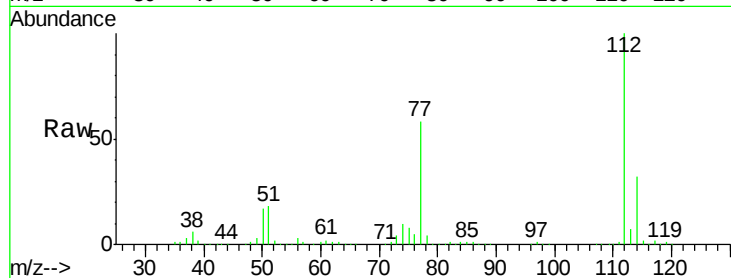




#65
Chlorobenzene
Concen: 93.35 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

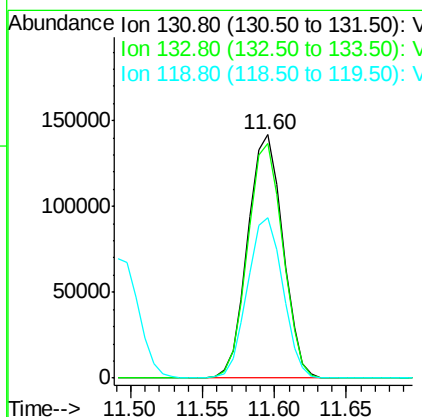
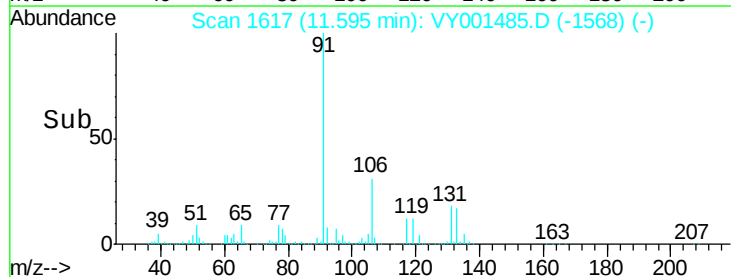
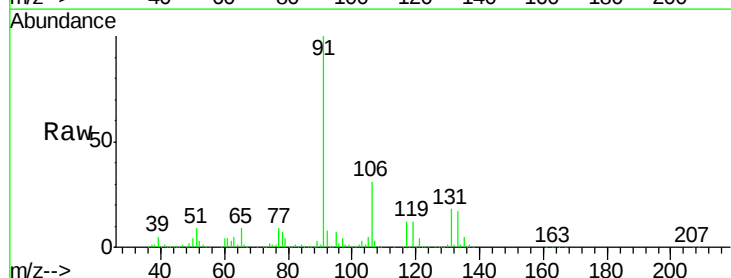
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

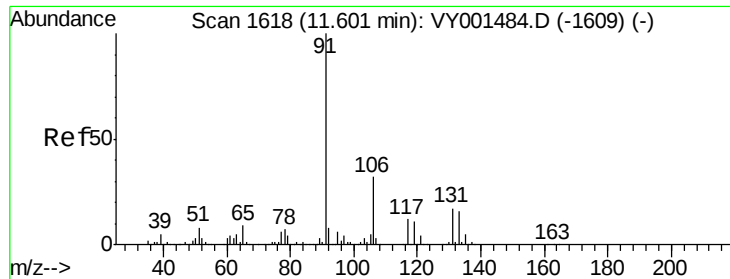
Tgt Ion:112 Resp: 697473
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 93.80 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion:131 Resp: 239179
Ion Ratio Lower Upper
131 100
133 96.1 47.9 143.8
119 66.5 33.7 101.0

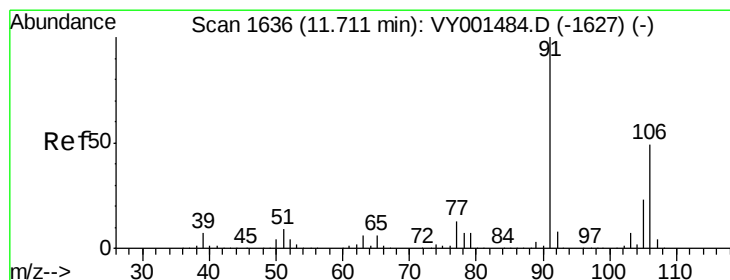
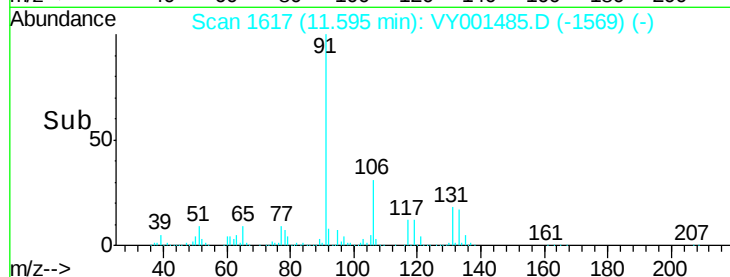
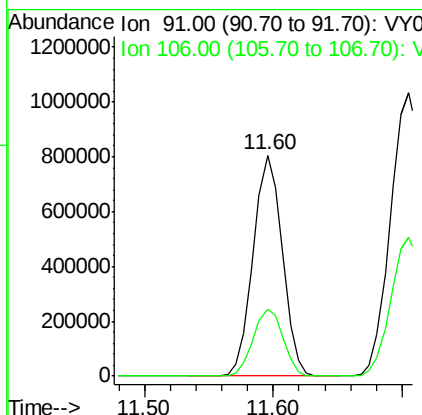
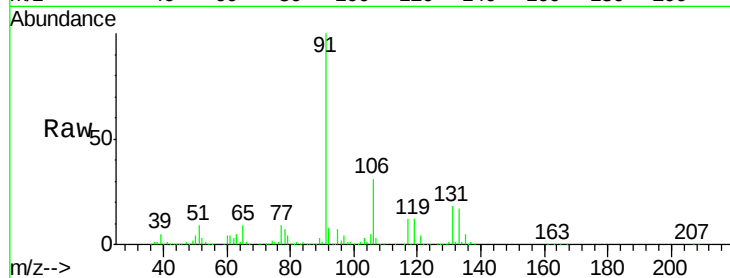




#67
Ethyl Benzene
Concen: 91.25 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

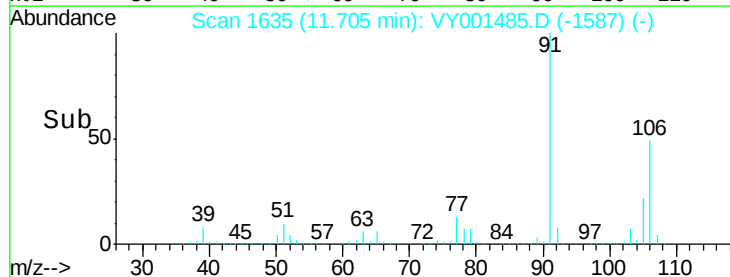
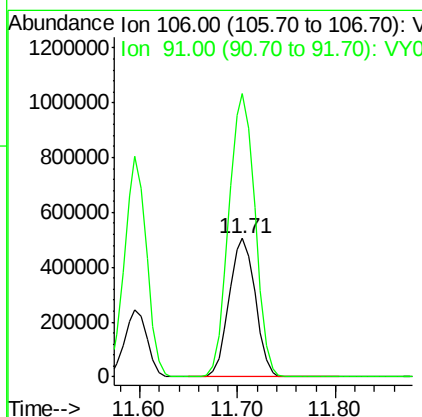
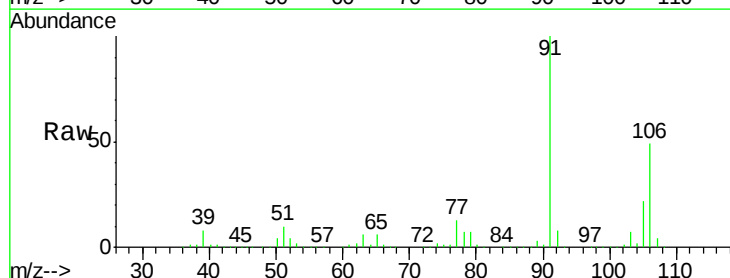
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 1255143
Ion Ratio Lower Upper
91 100
106 30.5 25.3 37.9



#68
m/p-Xylenes
Concen: 182.42 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion: 106 Resp: 936479
Ion Ratio Lower Upper
106 100
91 205.2 163.6 245.4

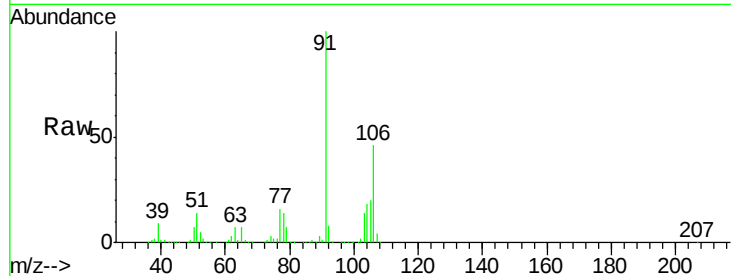




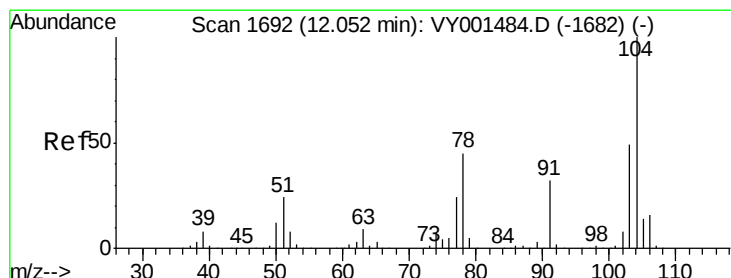
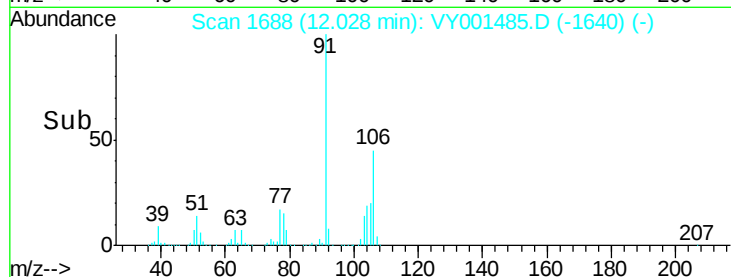
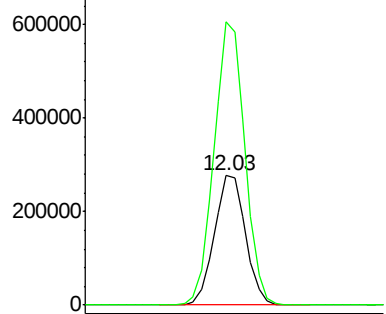
#69
o-Xylene
Concen: 89.96 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 443759
Ion Ratio Lower Upper
106 100
91 215.7 106.0 318.0

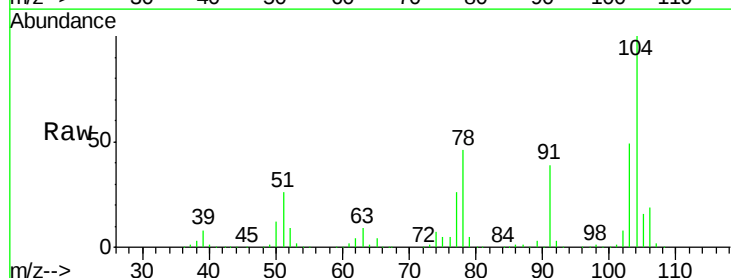


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

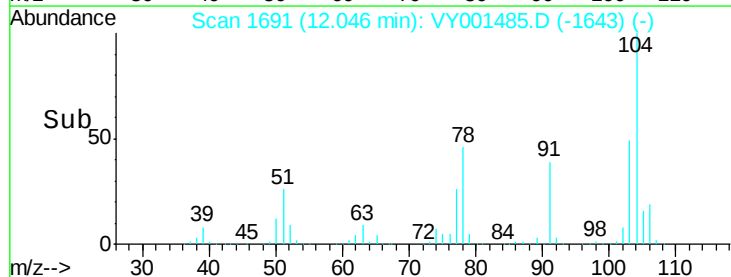
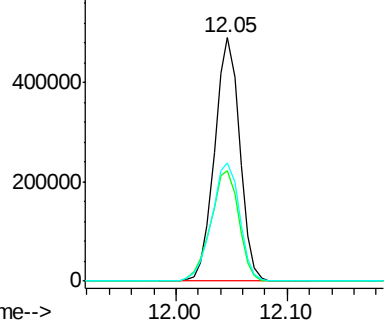


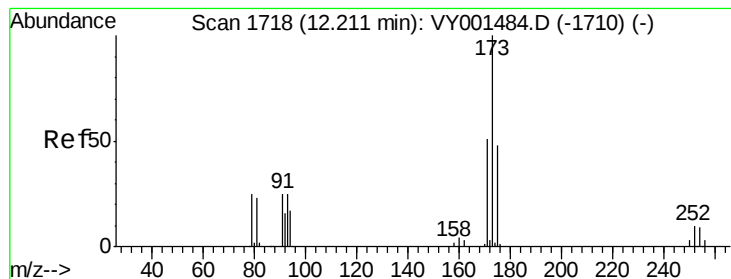
#70
Styrene
Concen: 88.96 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001485.D
Acq: 04 Feb 2020 14:21

Tgt Ion:104 Resp: 767219
Ion Ratio Lower Upper
104 100
78 50.8 40.4 60.6
103 53.9 42.8 64.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 90.44 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

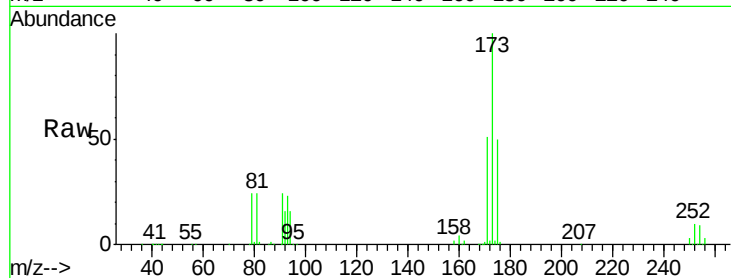
Tgt Ion:173 Resp: 136364

Ion Ratio Lower Upper

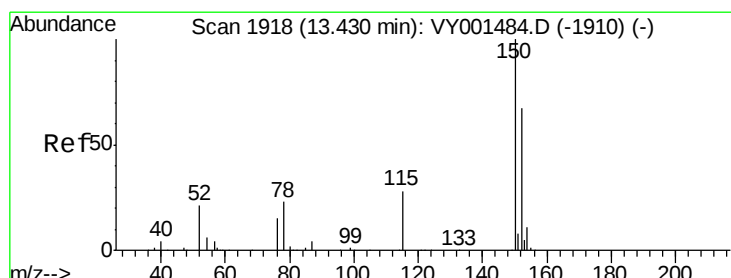
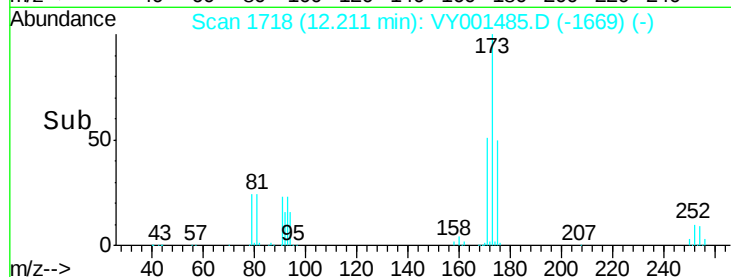
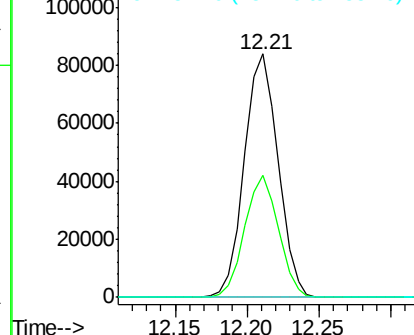
173 100

175 49.8 24.0 72.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

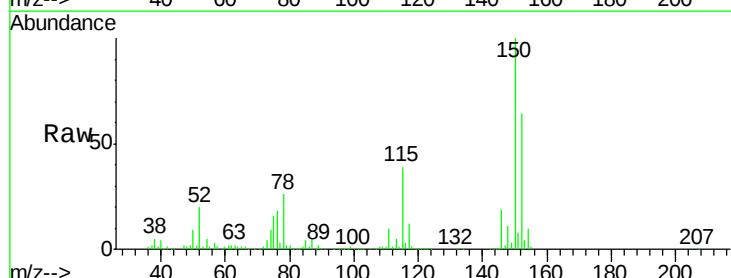
Tgt Ion:152 Resp: 158726

Ion Ratio Lower Upper

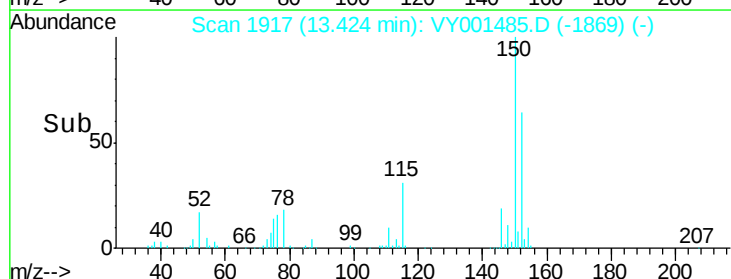
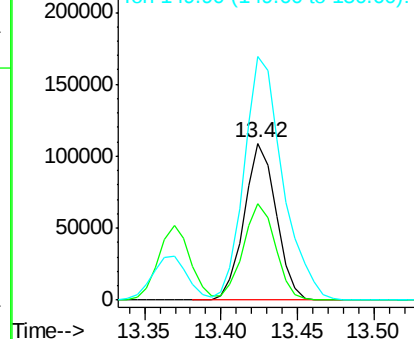
152 100

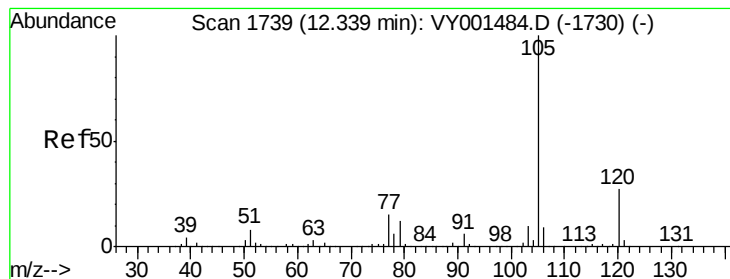
115 61.8 31.4 94.3

150 186.6 0.0 346.8



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: 97.56 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

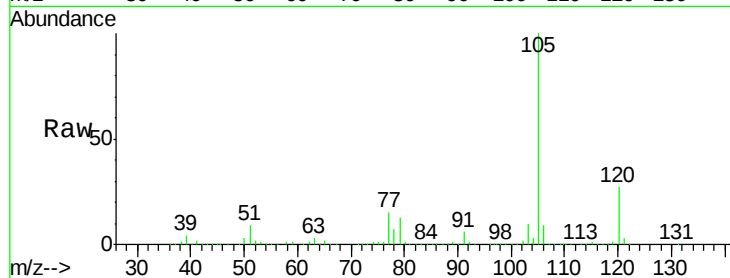
VSTDIC100

Tgt Ion:105 Resp: 1224107

Ion Ratio Lower Upper

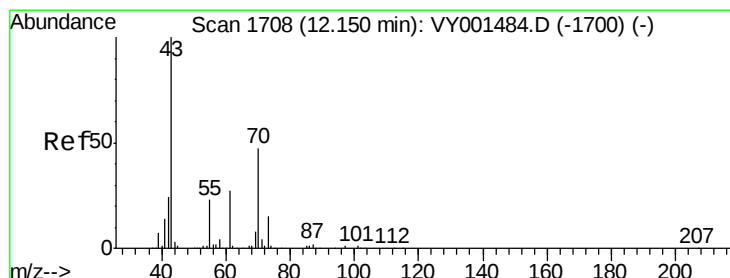
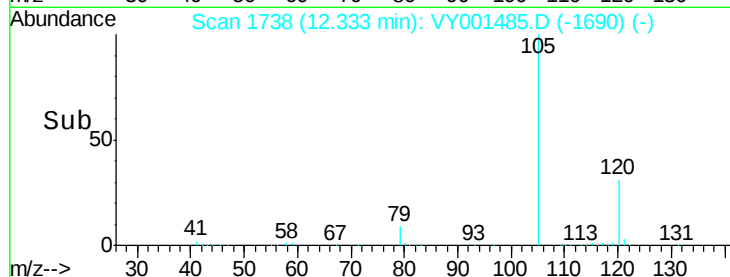
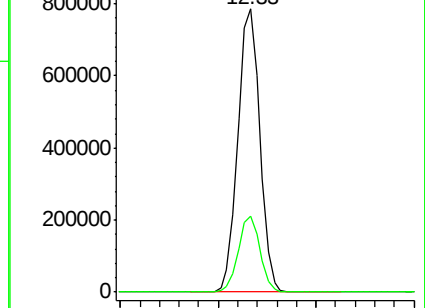
105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 79.40 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Tgt Ion: 43 Resp: 312887

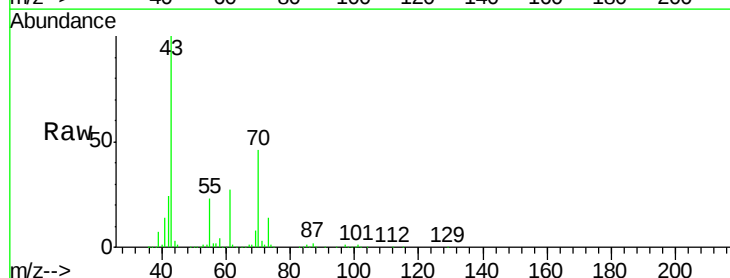
Ion Ratio Lower Upper

43 100

70 46.5 37.2 55.8

55 23.6 18.8 28.2

61 26.4 21.4 32.2

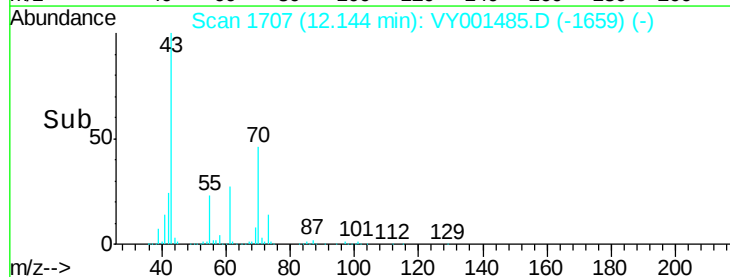
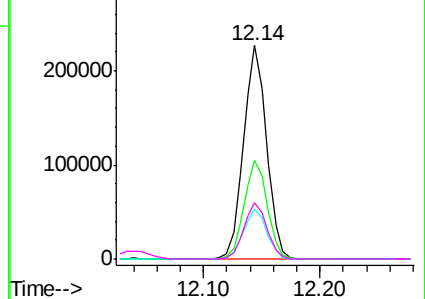


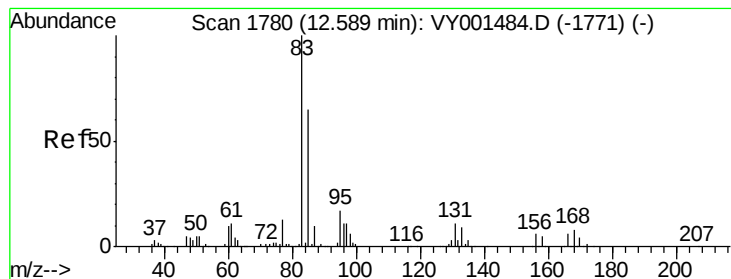
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 88.33 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

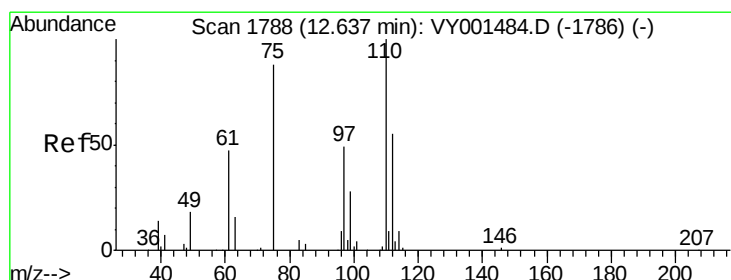
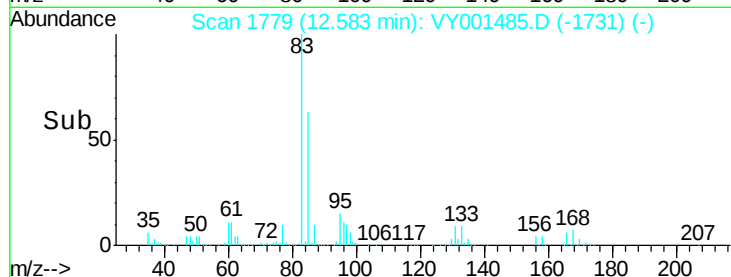
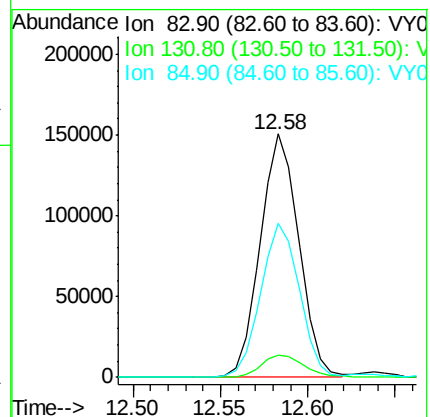
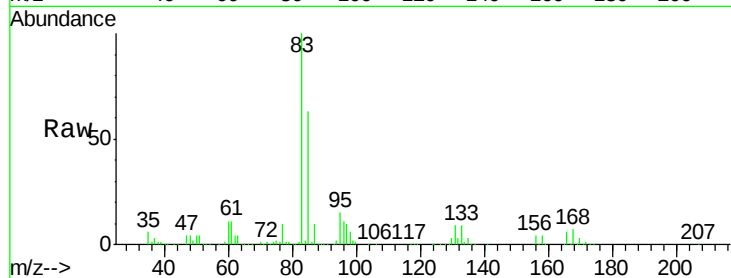
Tgt Ion: 83 Resp: 231128

Ion Ratio Lower Upper

83 100

131 10.4 5.4 16.2

85 63.6 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 162.94 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY001485.D

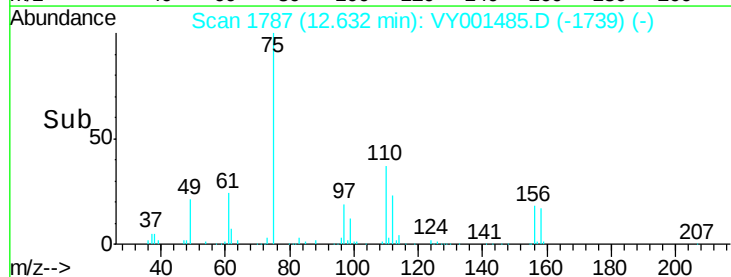
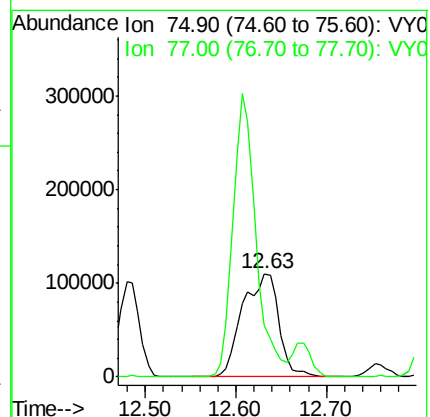
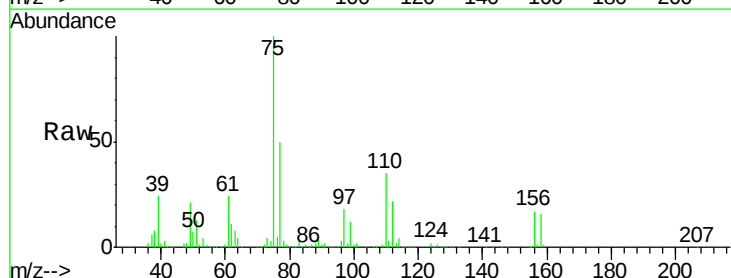
Acq: 04 Feb 2020 14:21

Tgt Ion: 75 Resp: 306085

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 94.38 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

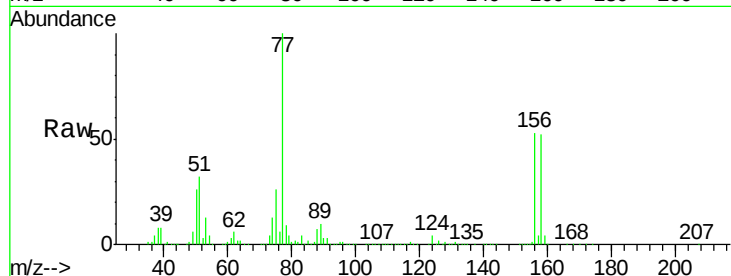
Tgt Ion:156 Resp: 261379

Ion Ratio Lower Upper

156 100

77 205.3 99.8 299.3

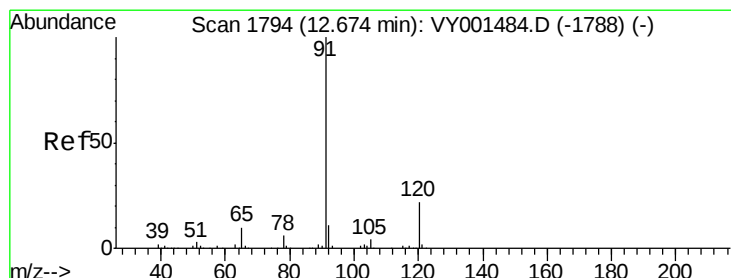
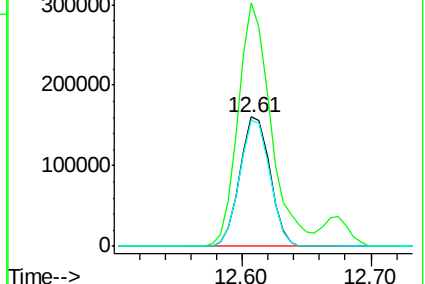
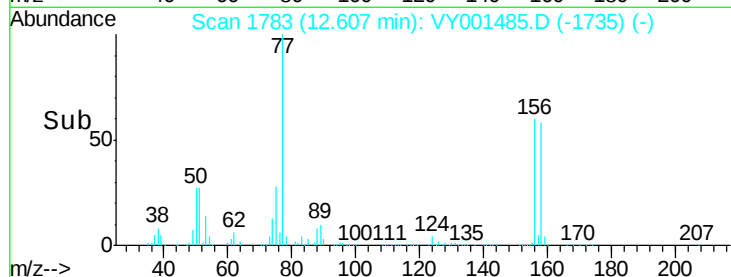
158 97.3 47.5 142.6



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: 95.84 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY001485.D

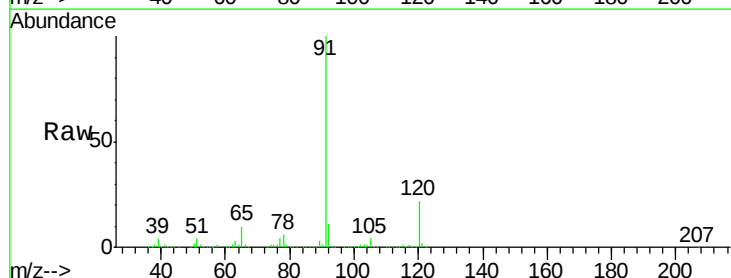
Acq: 04 Feb 2020 14:21

Tgt Ion: 91 Resp: 1442876

Ion Ratio Lower Upper

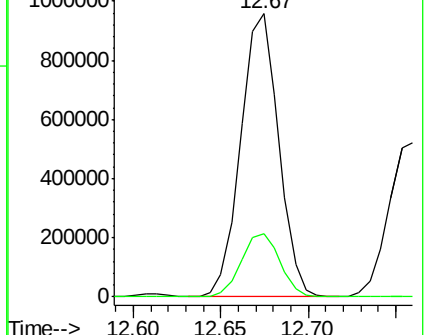
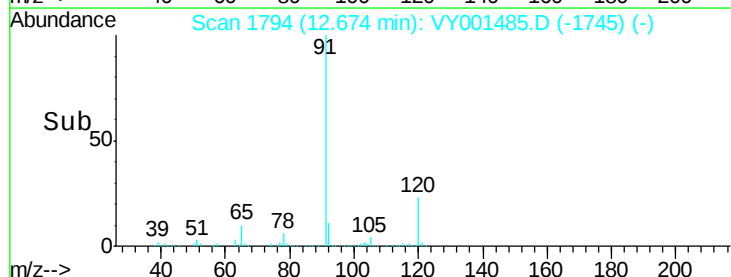
91 100

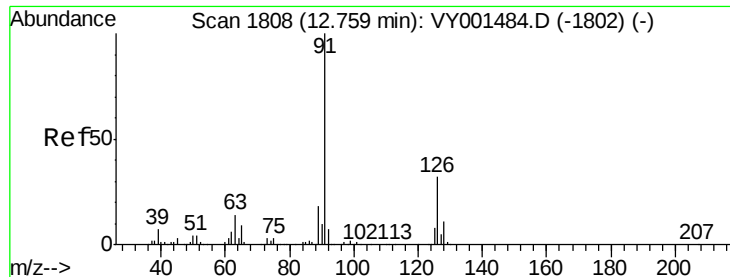
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 96.41 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

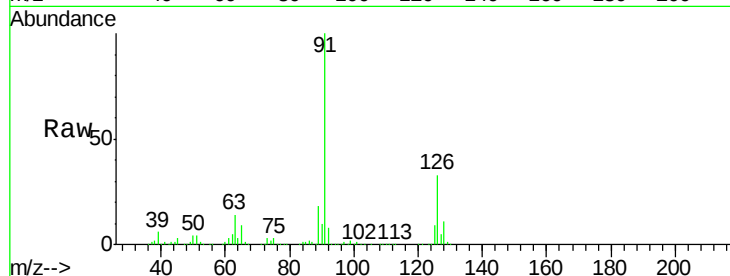
VSTDIC100

Tgt Ion: 91 Resp: 830233

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY001484.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001484.D (-1802) (-)

800000

600000

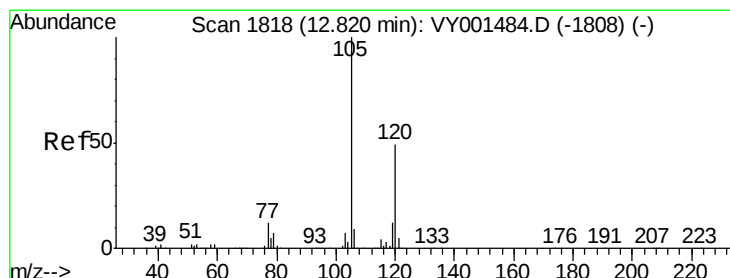
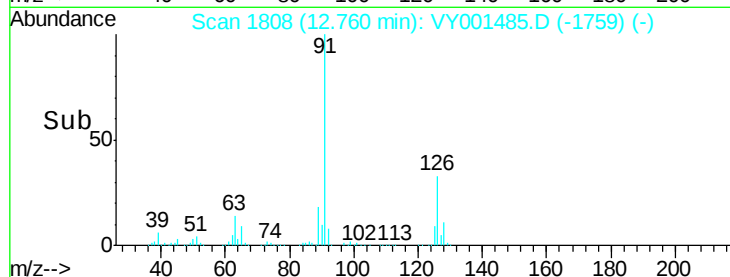
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 96.33 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001485.D

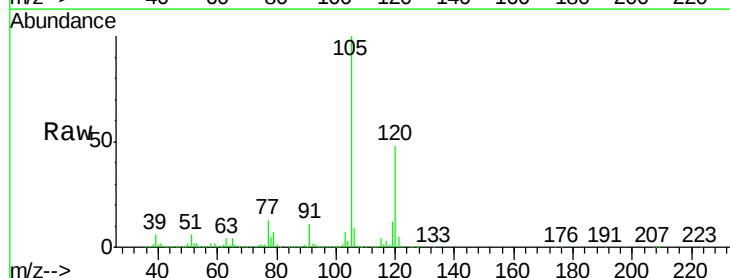
Acq: 04 Feb 2020 14:21

Tgt Ion: 105 Resp: 1009014

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001484.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY001484.D (-1808) (-)

800000

600000

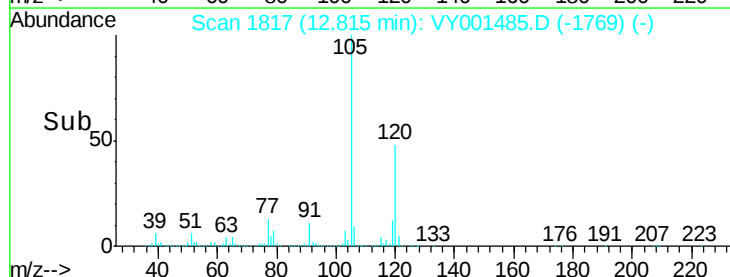
400000

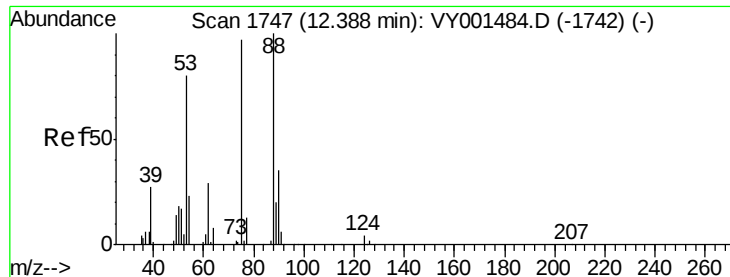
200000

0

12.75 12.80 12.85 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 89.16 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

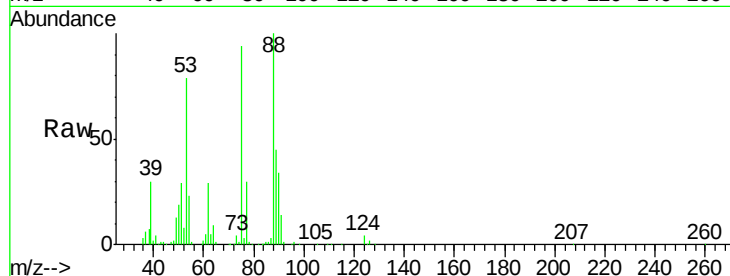
Tgt Ion: 75 Resp: 88358

Ion Ratio Lower Upper

75 100

53 82.8 67.7 101.5

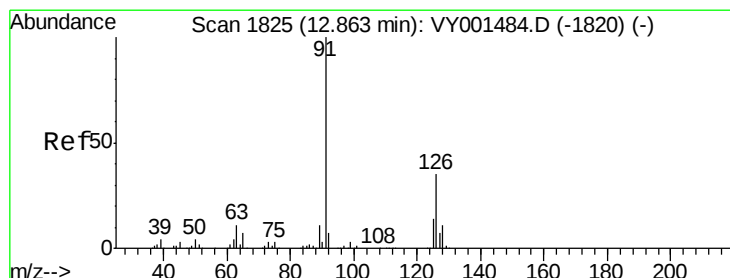
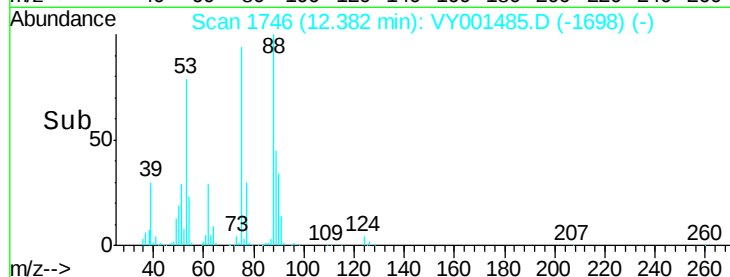
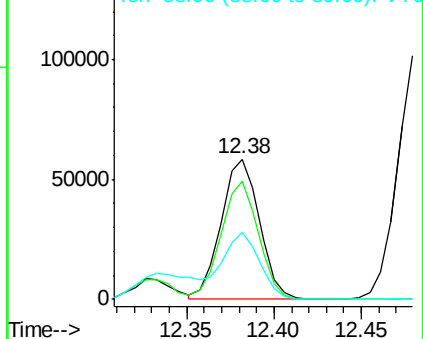
89 47.8 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 94.28 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001485.D

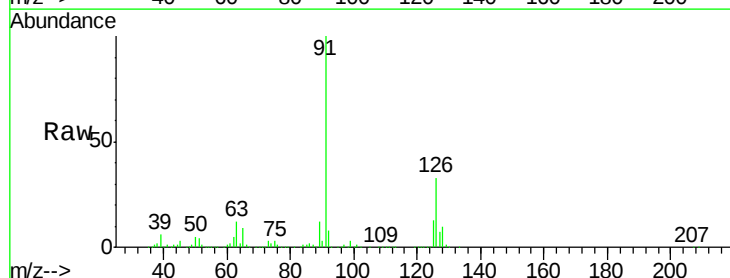
Acq: 04 Feb 2020 14:21

Tgt Ion: 91 Resp: 864020

Ion Ratio Lower Upper

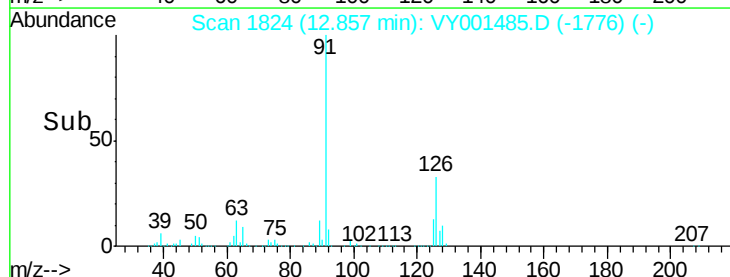
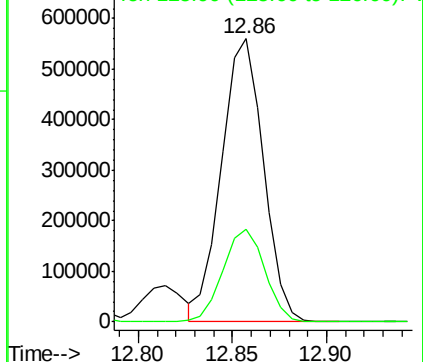
91 100

126 32.8 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

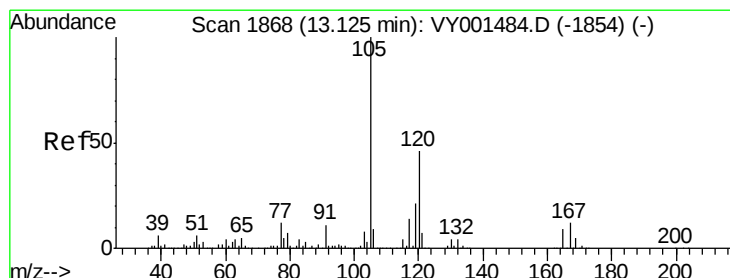
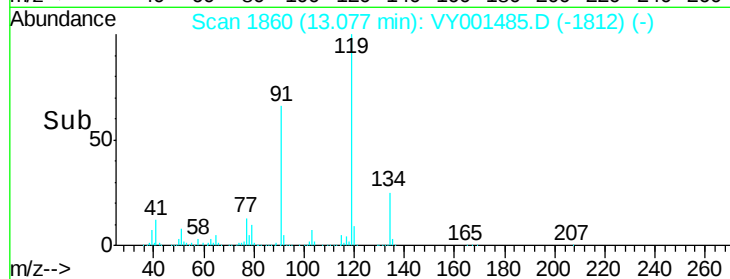
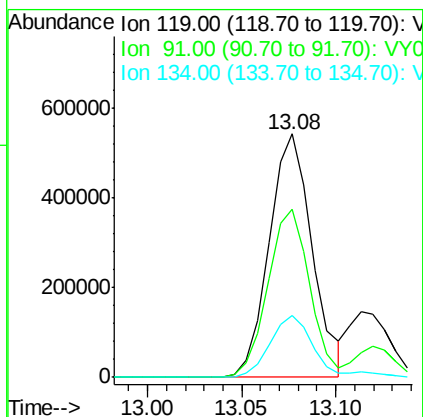
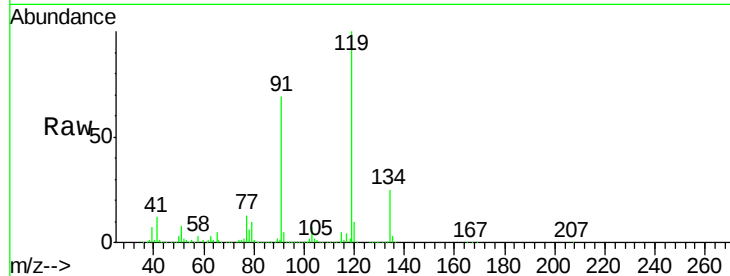




#83
 tert-Butylbenzene
 Concen: 97.20 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

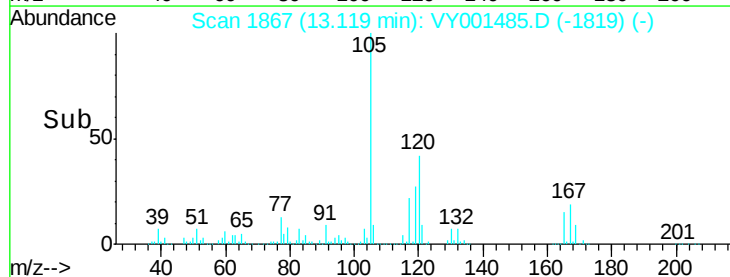
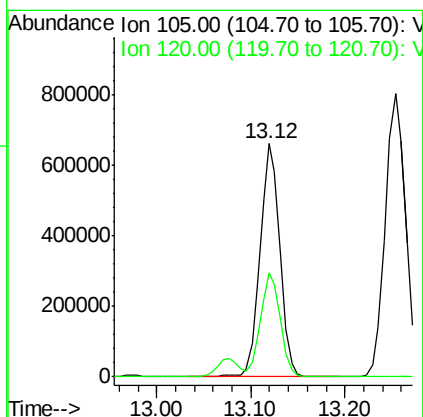
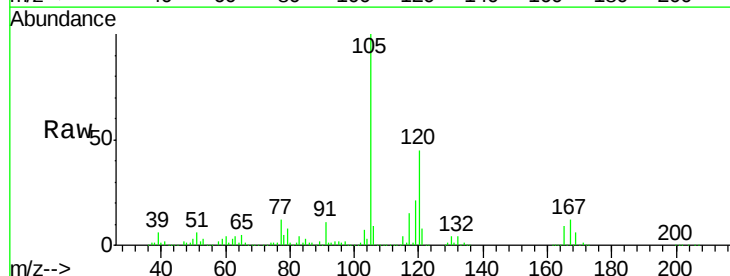
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

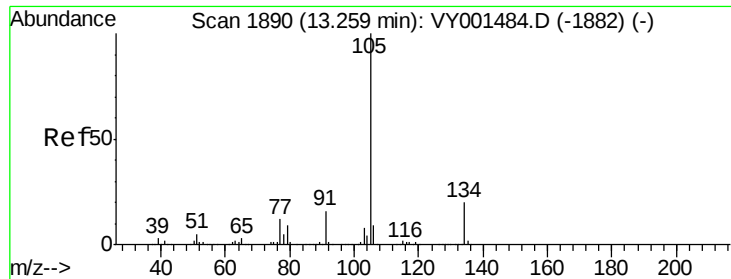
Tgt Ion:119 Resp: 858412
 Ion Ratio Lower Upper
 119 100
 91 66.9 33.1 99.3
 134 26.2 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 93.60 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

Tgt Ion:105 Resp: 983315
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.4 67.0

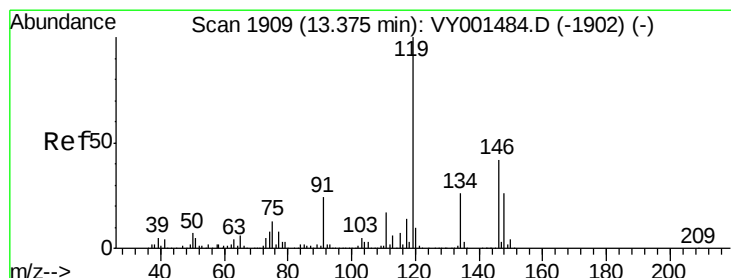
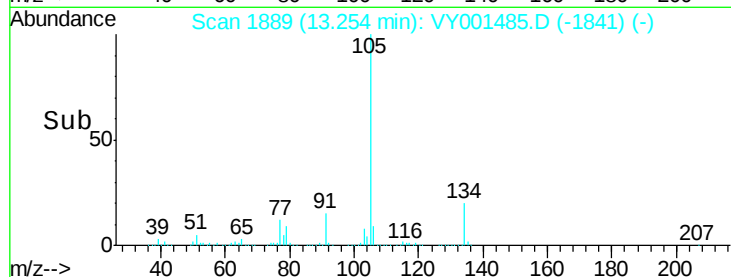
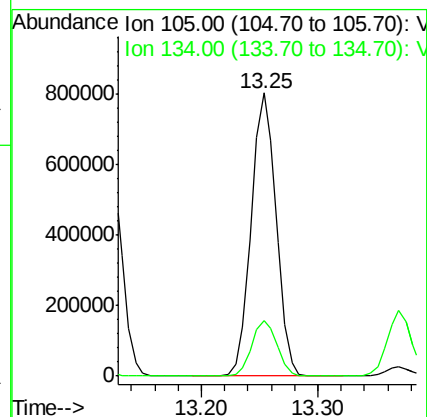
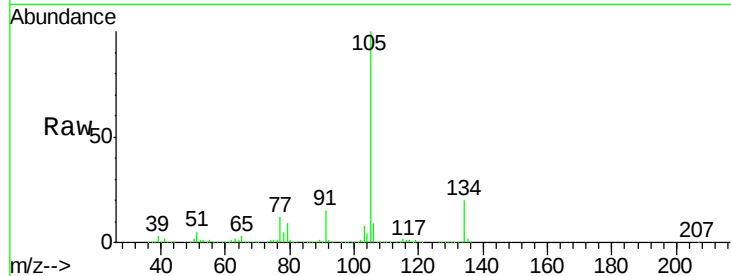




#85
 sec-Butylbenzene
 Concen: 96.31 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

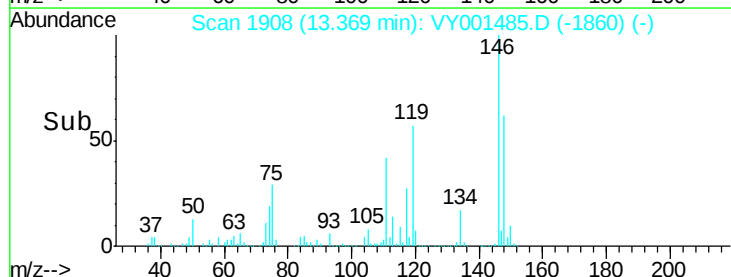
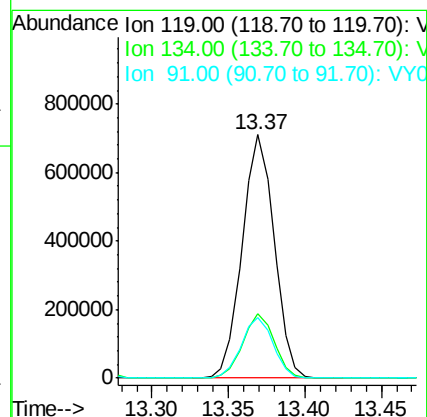
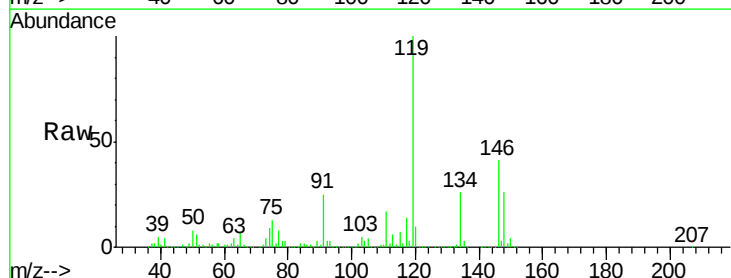
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

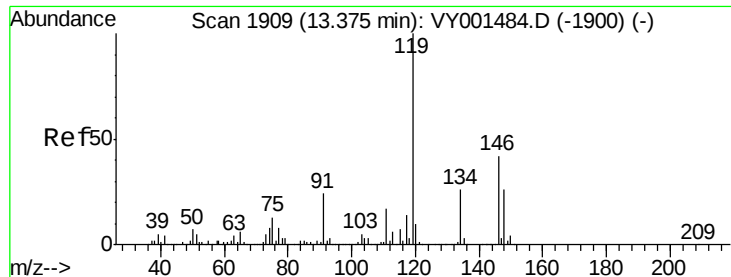
Tgt Ion:105 Resp: 1204843
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 93.31 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

Tgt Ion:119 Resp: 1030646
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.8
 91 24.8 12.2 36.6

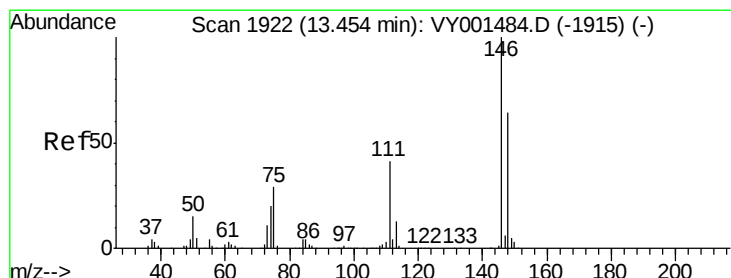
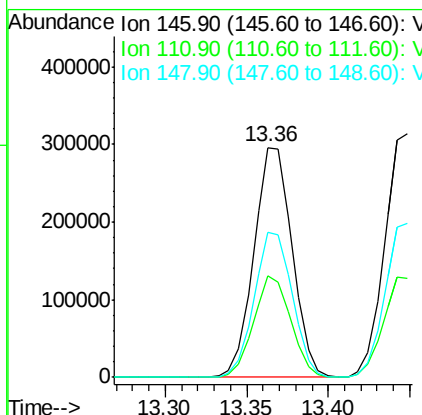
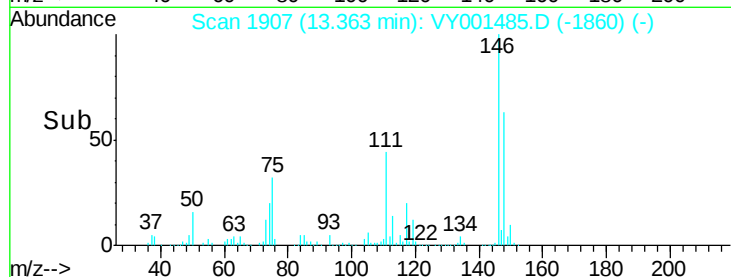
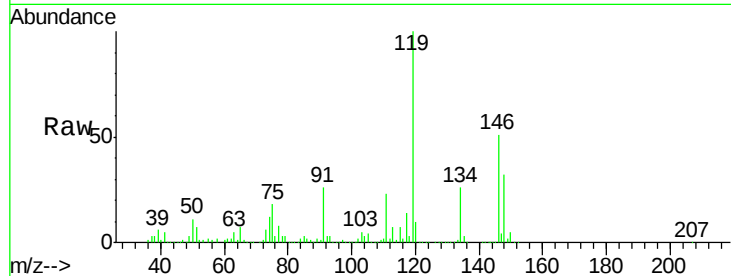




#87
 1,3-Dichlorobenzene
 Concen: 90.67 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

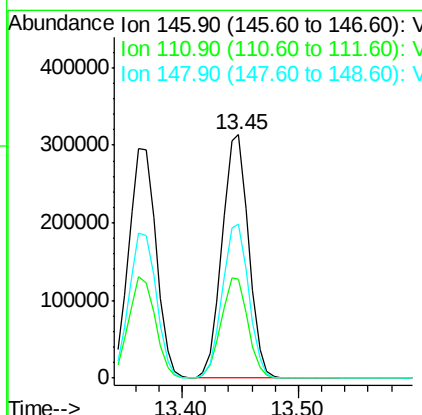
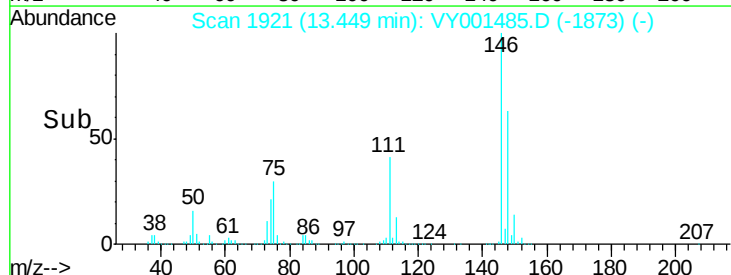
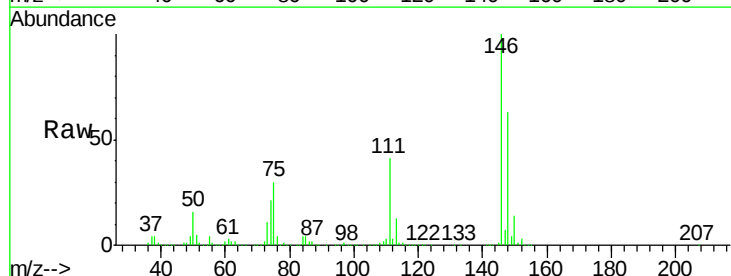
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

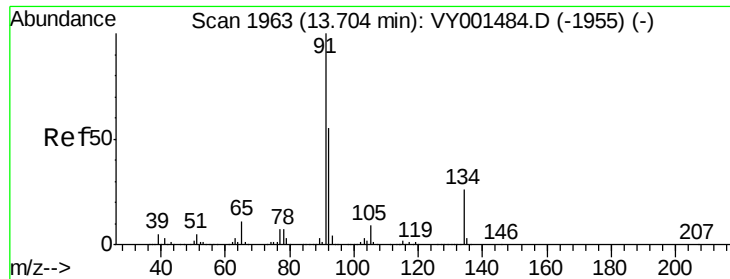
Tgt Ion:146 Resp: 481268
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.3 63.9
 148 62.9 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 91.40 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

Tgt Ion:146 Resp: 492897
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.7 62.1
 148 63.2 32.1 96.5





#89

n-Butylbenzene

Concen: 93.15 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

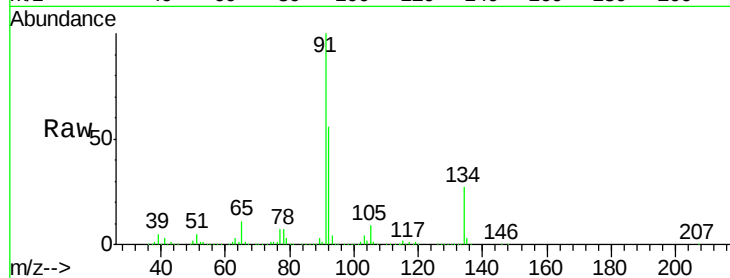
Tgt Ion: 91 Resp: 1032123

Ion Ratio Lower Upper

91 100

92 55.2 27.3 81.9

134 26.0 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VY001484.D (-1955) (-)

Ion 92.00 (91.70 to 92.70): VY001484.D (-1955) (-)

Ion 134.00 (133.70 to 134.70): VY001484.D (-1955) (-)

13.70

800000

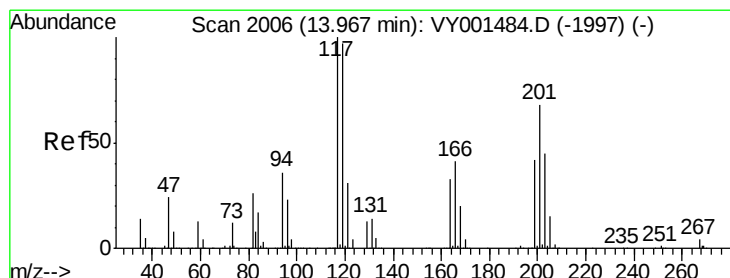
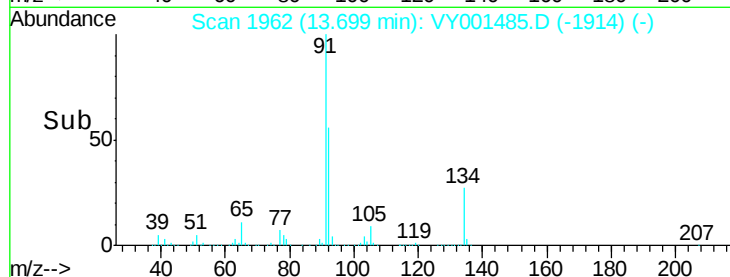
600000

400000

200000

0

Time--> 13.60 13.70 13.80



#90

Hexachloroethane

Concen: 99.21 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.01 min

Lab File: VY001485.D

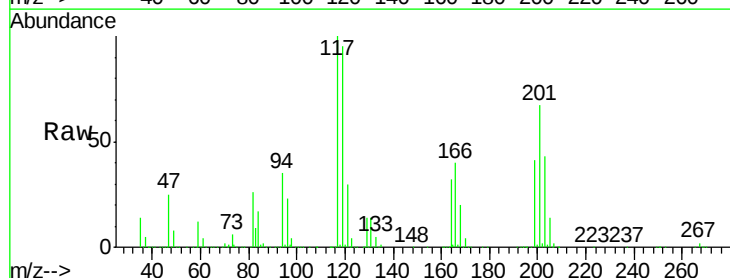
Acq: 04 Feb 2020 14:21

Tgt Ion: 117 Resp: 207693

Ion Ratio Lower Upper

117 100

201 68.7 34.1 102.3



Abundance Ion 116.80 (116.50 to 117.50): VY001484.D (-1997) (-)

Ion 200.70 (200.40 to 201.40): VY001484.D (-1997) (-)

13.96

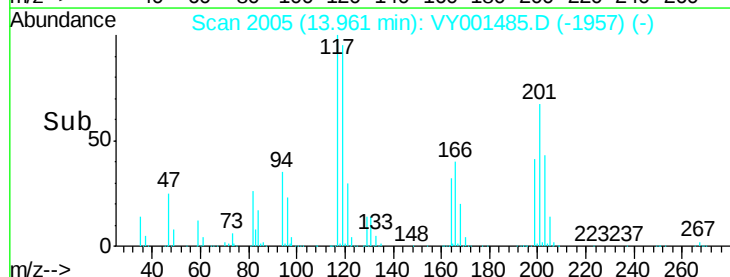
150000

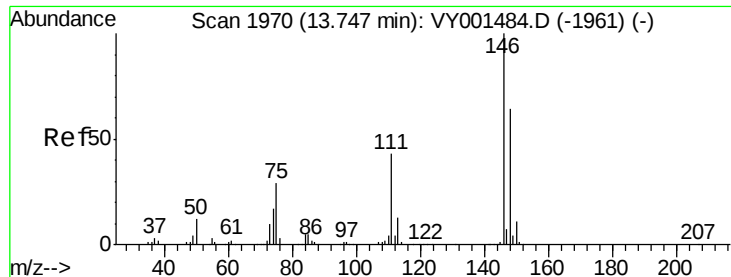
100000

50000

0

Time--> 13.90 13.95 14.00





#91

1,2-Dichlorobenzene

Concen: 91.50 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

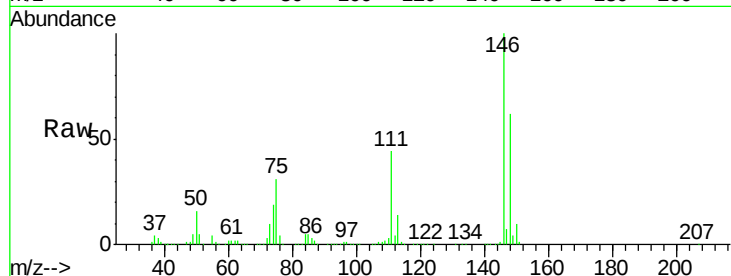
Tgt Ion:146 Resp: 447086

Ion Ratio Lower Upper

146 100

111 44.0 21.9 65.8

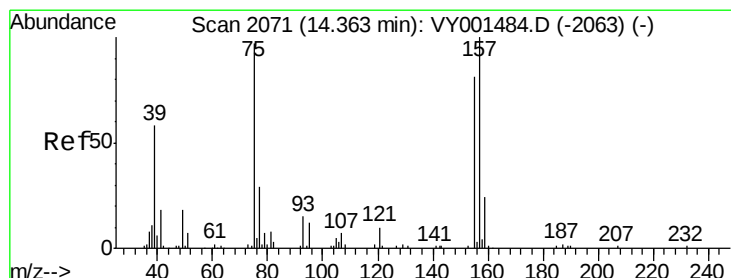
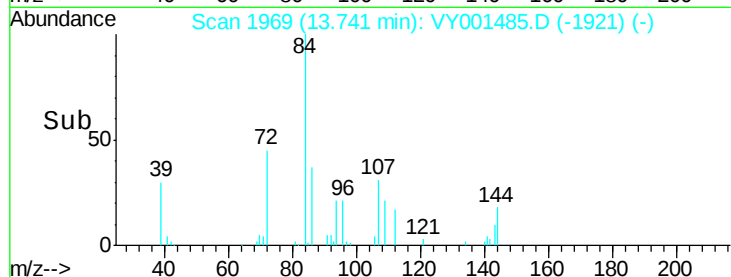
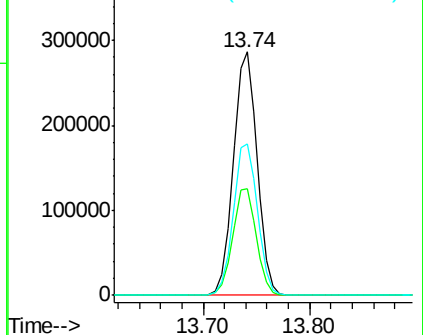
148 63.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 85.57 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

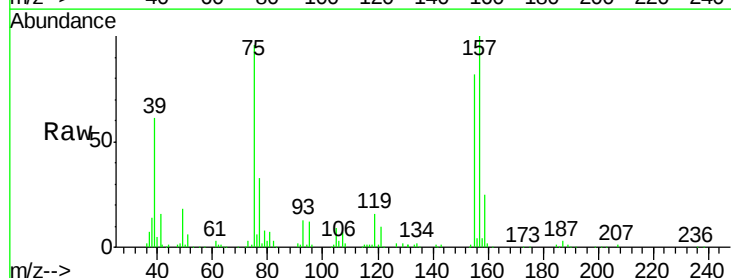
Tgt Ion: 75 Resp: 39026

Ion Ratio Lower Upper

75 100

155 85.6 40.7 122.1

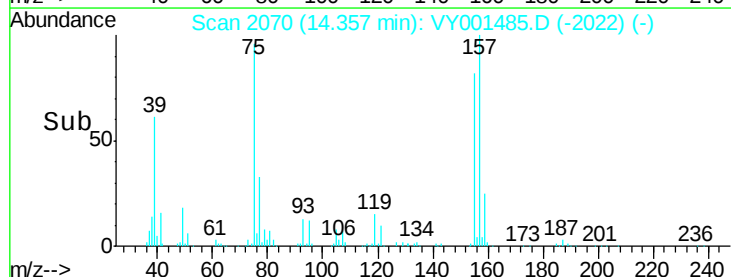
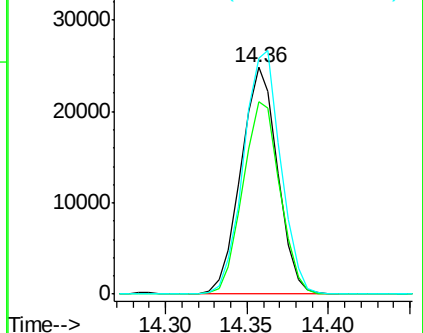
157 108.5 52.3 157.1

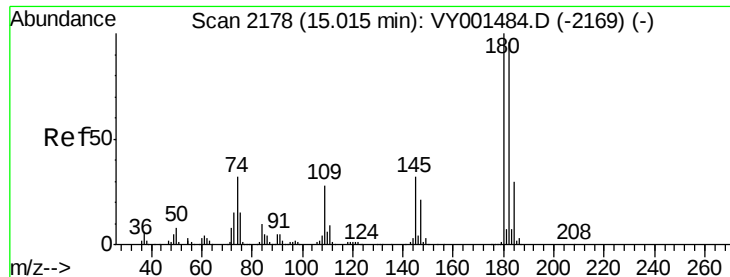


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

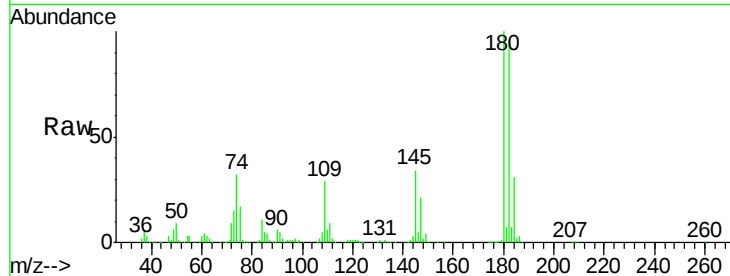




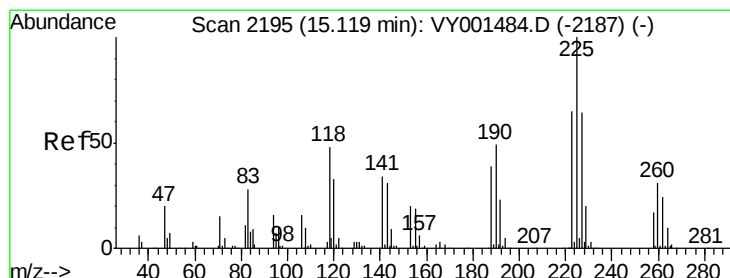
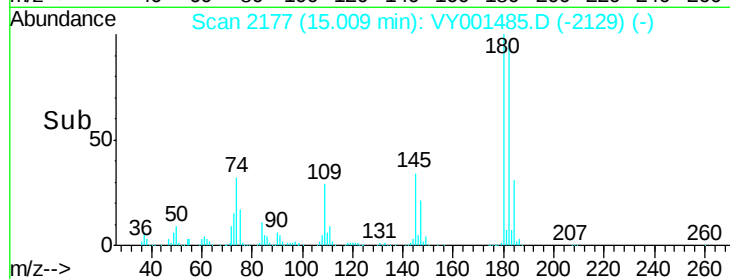
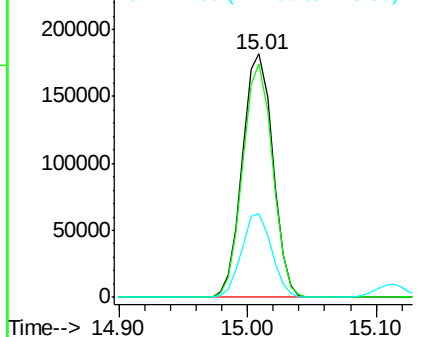
#93
 1,2,4-Trichlorobenzene
 Concen: 89.98 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.9	140.7
145	33.9	16.8	50.3

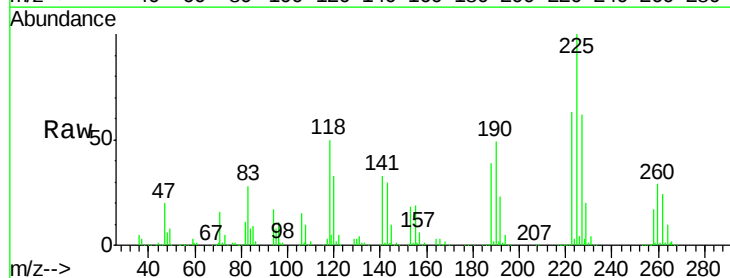


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

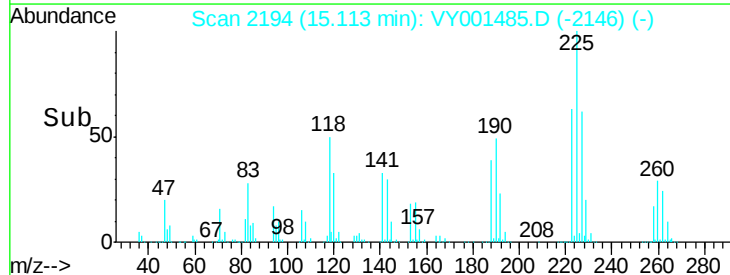
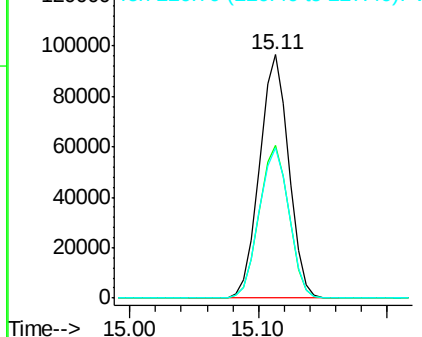


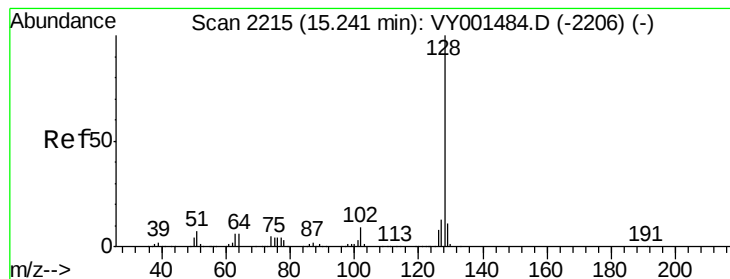
#94
 Hexachlorobutadiene
 Concen: 93.59 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY001485.D
 Acq: 04 Feb 2020 14:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	63.3	32.6	97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 90.10 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

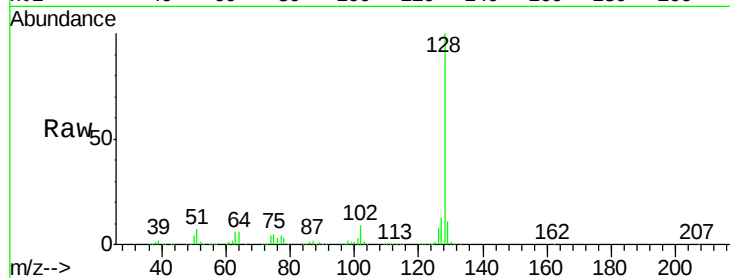
Tgt Ion:128 Resp: 673466

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

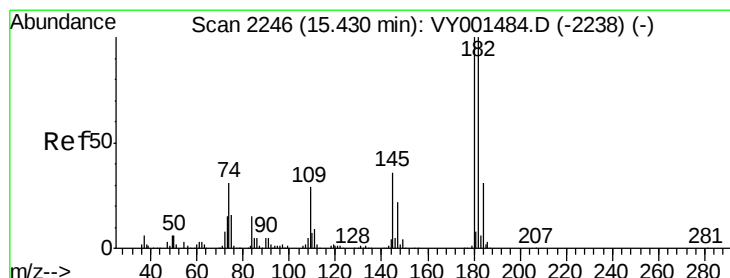
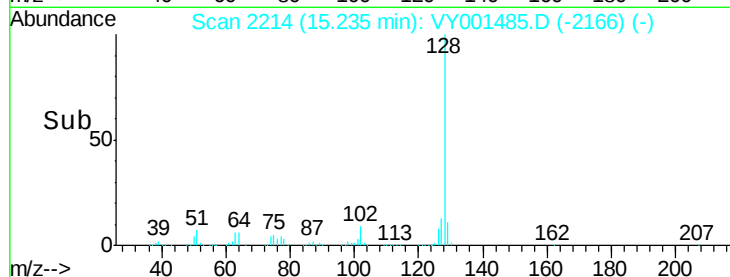
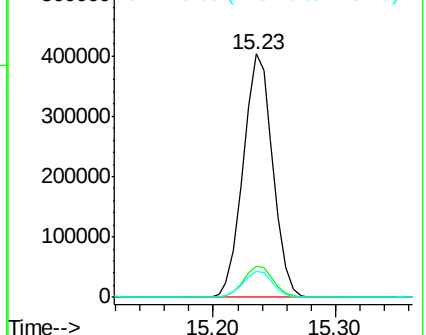
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 91.75 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.01 min

Lab File: VY001485.D

Acq: 04 Feb 2020 14:21

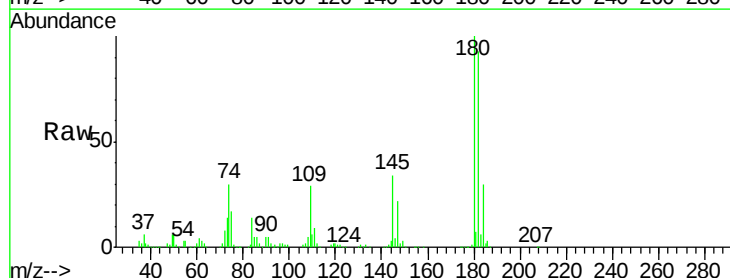
Tgt Ion:180 Resp: 263916

Ion Ratio Lower Upper

180 100

182 93.6 48.0 144.2

145 34.9 17.8 53.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

