

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000020.D
 Acq On : 12 Sep 2019 11:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00µl/5.00ml
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 15:38:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 15:35:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	139537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	263314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	226720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	97491	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	30232	20.11	ug/l	0.00
Spiked Amount			Recovery	=	40.22%	
35) Dibromofluoromethane	7.72	113	32463	21.49	ug/l	0.00
Spiked Amount			Recovery	=	42.98%	
50) Toluene-d8	10.18	98	118504	19.48	ug/l	0.00
Spiked Amount			Recovery	=	38.96%	
62) 4-Bromofluorobenzene	12.48	95	47266	21.38	ug/l	0.00
Spiked Amount			Recovery	=	42.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	21660	21.050	ug/l	99
3) Chloromethane	2.11	50	32796	19.594	ug/l	100
4) Vinyl Chloride	2.25	62	32765	20.998	ug/l	95
5) Bromomethane	2.61	94	20560	20.730	ug/l	92
6) Chloroethane	2.77	64	21889	21.071	ug/l	100
7) Trichlorofluoromethane	3.11	101	42835	21.127	ug/l	100
8) Diethyl Ether	3.53	74	17681	21.220	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	28581	20.714	ug/l	97
10) Methyl Iodide	4.09	142	30239	20.042	ug/l	98
11) Tert butyl alcohol	4.98	59	18883	98.814	ug/l	97
12) 1,1-Dichloroethene	3.87	96	26875	20.900	ug/l	90
13) Acrolein	3.73	56	16503	115.114	ug/l	97
14) Allyl chloride	4.47	41	41511	20.791	ug/l	98
15) Acrylonitrile	5.17	53	54799	103.653	ug/l	99
16) Acetone	3.95	43	40661	97.566	ug/l	93
17) Carbon Disulfide	4.18	76	51686	19.960	ug/l	99
18) Methyl Acetate	4.48	43	23532	20.066	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	81561	20.941	ug/l	99
20) Methylene Chloride	4.70	84	34157	20.558	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	28353	19.913	ug/l	91
22) Diisopropyl ether	6.12	45	92445	20.974	ug/l	97
23) Vinyl Acetate	6.06	43	317171	104.022	ug/l	96
24) 1,1-Dichloroethane	6.01	63	54631	20.916	ug/l	97
25) 2-Butanone	6.99	43	68155	100.609	ug/l	93
26) 2,2-Dichloropropane	6.98	77	49956	20.589	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	36773	20.470	ug/l	95
28) Bromochloromethane	7.34	49	22896	19.088	ug/l	99
29) Tetrahydrofuran	7.35	42	40344	100.115	ug/l	97
30) Chloroform	7.51	83	56009	20.795	ug/l	100
31) Cyclohexane	7.78	56	44142	20.278	ug/l	88
32) 1,1,1-Trichloroethane	7.70	97	45648	20.660	ug/l	99
36) 1,1-Dichloropropene	7.92	75	40721	21.063	ug/l	99
37) Ethyl Acetate	7.08	43	27895	21.397	ug/l	99
38) Carbon Tetrachloride	7.90	117	38848	21.288	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000020.D
 Acq On : 12 Sep 2019 11:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.00ml
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 15:38:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 15:35:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	49239	20.614	ug/l	94
40) Benzene	8.16	78	130128	20.674	ug/l	99
41) Methacrylonitrile	7.35	41	37957	22.418	ug/l #	31
42) 1,2-Dichloroethane	8.24	62	33753	20.984	ug/l	99
43) Isopropyl Acetate	8.27	43	51967	20.570	ug/l	99
44) Trichloroethene	8.94	130	32568	20.723	ug/l	94
45) 1,2-Dichloropropane	9.21	63	32284	19.892	ug/l	91
46) Dibromomethane	9.31	93	18775	20.844	ug/l	96
47) Bromodichloromethane	9.49	83	44731	20.803	ug/l	96
48) Methyl methacrylate	9.29	41	22852	20.499	ug/l	99
49) 1,4-Dioxane	9.30	88	7469	395.950	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	139190	98.326	ug/l	98
52) Toluene	10.24	92	80285	20.299	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	46750	20.679	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	53911	20.494	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	29205	20.460	ug/l	97
56) Ethyl methacrylate	10.51	69	40534	20.234	ug/l	99
57) 1,3-Dichloropropane	10.79	76	46961	20.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	106847	97.371	ug/l	99
59) 2-Hexanone	10.83	43	102682	100.657	ug/l	98
60) Dibromochloromethane	10.98	129	30874	20.528	ug/l	99
61) 1,2-Dibromoethane	11.09	107	25472	20.204	ug/l	100
64) Tetrachloroethene	10.71	164	28833	20.738	ug/l	96
65) Chlorobenzene	11.51	112	87588	20.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	31220	20.856	ug/l	98
67) Ethyl Benzene	11.59	91	161908	20.630	ug/l	96
68) m/p-Xylenes	11.70	106	121242	40.938	ug/l	100
69) o-Xylene	12.02	106	58651	20.206	ug/l	96
70) Styrene	12.04	104	101433	20.088	ug/l	99
71) Bromoform	12.20	173	18206	20.143	ug/l #	96
73) Isopropylbenzene	12.32	105	156757	21.044	ug/l	100
74) N-amyl acetate	12.14	43	44685	20.322	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	36673	20.591	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	48283	22.329	ug/l #	100
77) Bromobenzene	12.60	156	32254	20.469	ug/l	92
78) n-propylbenzene	12.66	91	190269	20.901	ug/l	100
79) 2-Chlorotoluene	12.75	91	106709	20.963	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	129309	20.790	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	13677	20.035	ug/l	99
82) 4-Chlorotoluene	12.85	91	110154	20.618	ug/l	99
83) tert-Butylbenzene	13.07	119	111926	20.944	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	125220	20.381	ug/l	99
85) sec-Butylbenzene	13.25	105	161740	20.507	ug/l	98
86) p-Isopropyltoluene	13.37	119	138436	20.691	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	67631	21.326	ug/l	94
88) 1,4-Dichlorobenzene	13.44	146	65357	20.479	ug/l	98
89) n-Butylbenzene	13.69	91	142394	21.002	ug/l	100
90) Hexachloroethane	13.95	117	28253	21.131	ug/l	95
91) 1,2-Dichlorobenzene	13.73	146	61038	20.681	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	6572	18.977	ug/l	94

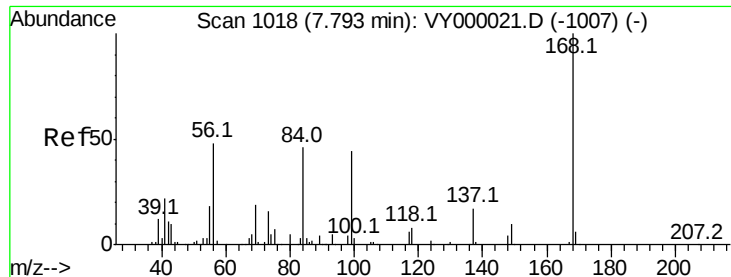
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
Data File : VY000020.D
Acq On : 12 Sep 2019 11:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00µ/5.00ml
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 12 15:38:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 12 15:35:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	38904	20.658	ug/l	97
94) Hexachlorobutadiene	15.10	225	17692	20.482	ug/l	98
95) Naphthalene	15.22	128	102503	19.895	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	33972	20.095	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

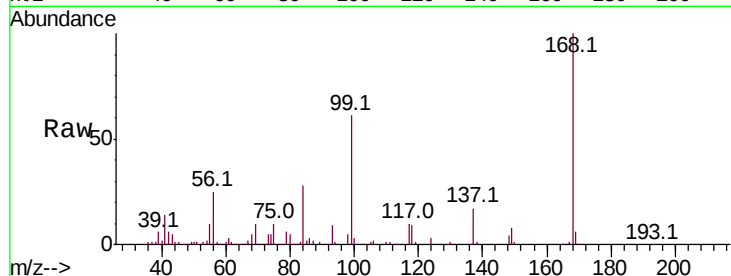
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 139537

Ion Ratio Lower Upper

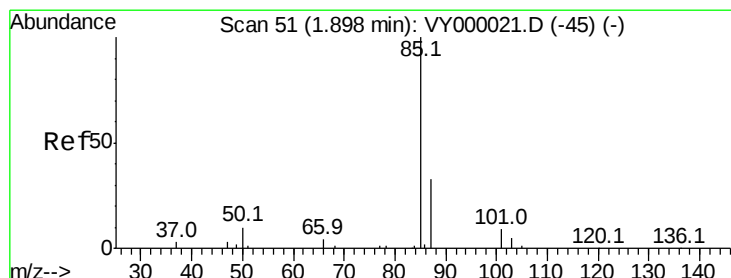
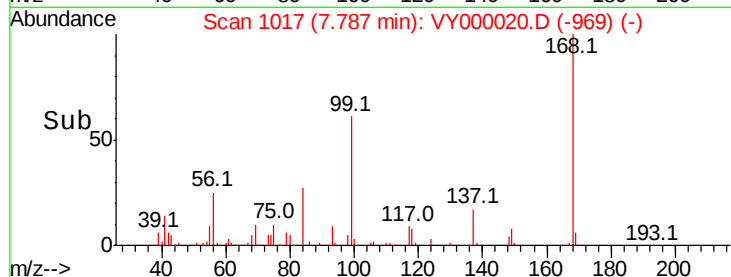
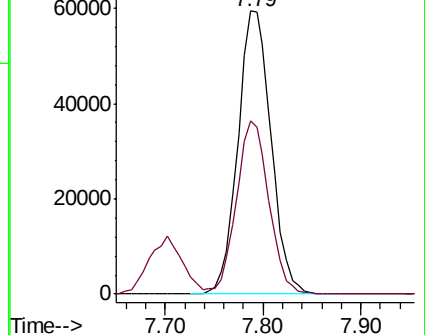
168 100

99 61.2 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000021.D (-1007) (-)

Ion 98.90 (98.60 to 99.60): VY000021.D (-1007) (-)



#2

Dichlorodifluoromethane

Concen: 21.050 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000020.D

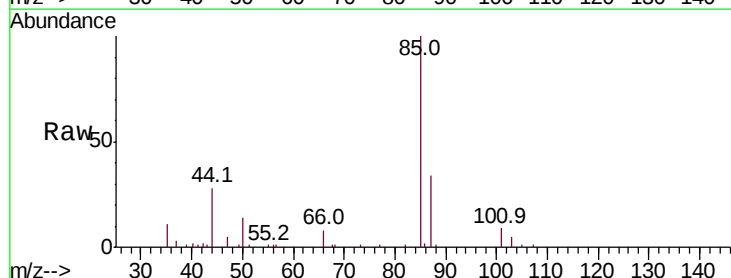
Acq: 12 Sep 2019 11:54

Tgt Ion: 85 Resp: 21660

Ion Ratio Lower Upper

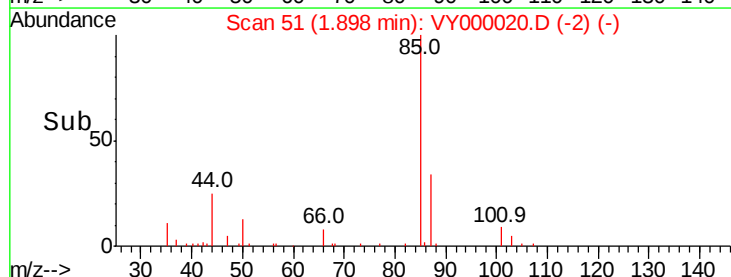
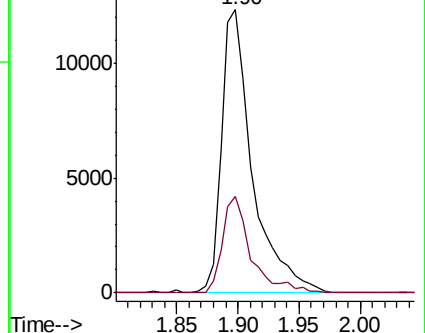
85 100

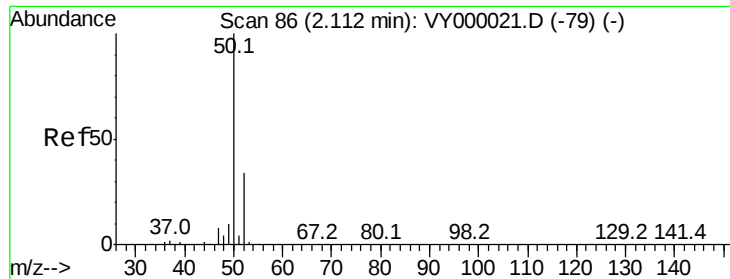
87 33.9 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000021.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000021.D (-45) (-)





#3

Chloromethane

Concen: 19.594 ug/l

RT: 2.11 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

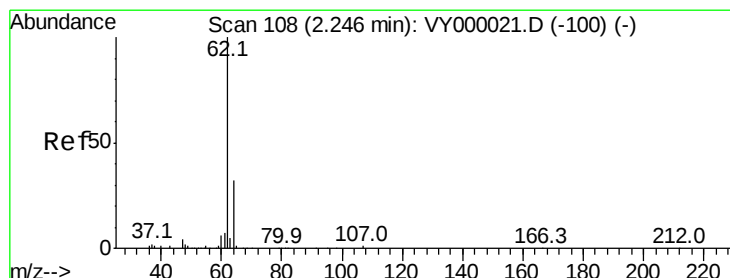
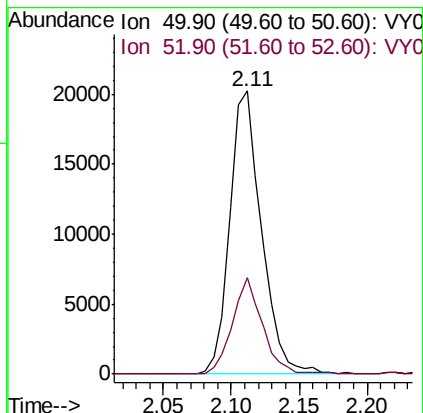
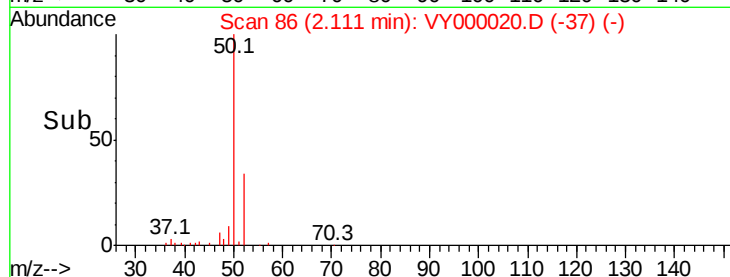
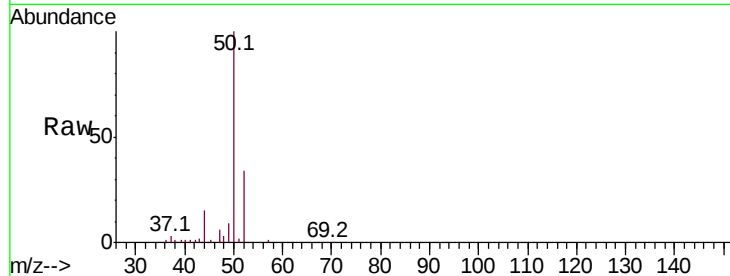
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 50 Resp: 32796

Ion Ratio Lower Upper

50 100

52 33.9 27.0 40.6



#4

Vinyl Chloride

Concen: 20.998 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000020.D

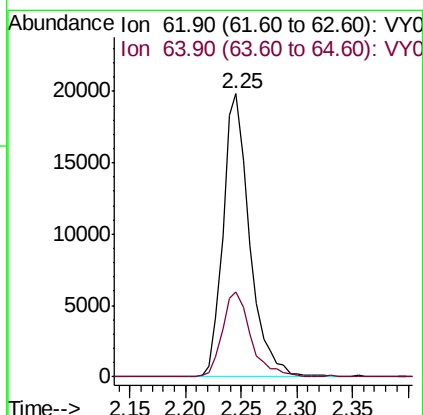
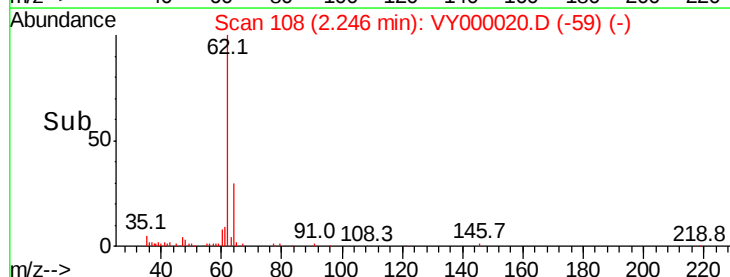
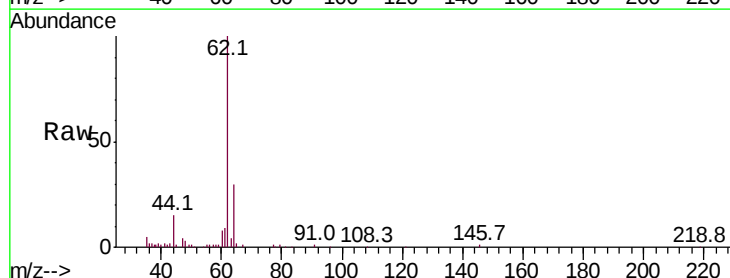
Acq: 12 Sep 2019 11:54

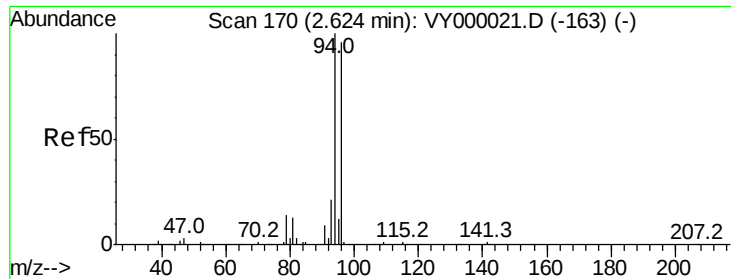
Tgt Ion: 62 Resp: 32765

Ion Ratio Lower Upper

62 100

64 30.0 26.1 39.1





#5

Bromomethane

Concen: 20.730 ug/l

RT: 2.61 min Scan# 168

Delta R.T. -0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

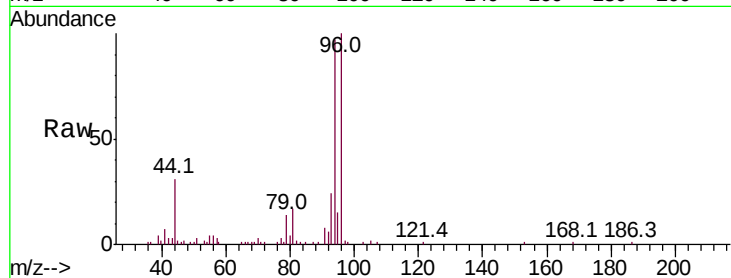
ClientSampleId :

Tot Ion: 94 Resp: 20560

Ion Ratio Lower Upper

94 100

96 103.5 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

12000

10000

8000

6000

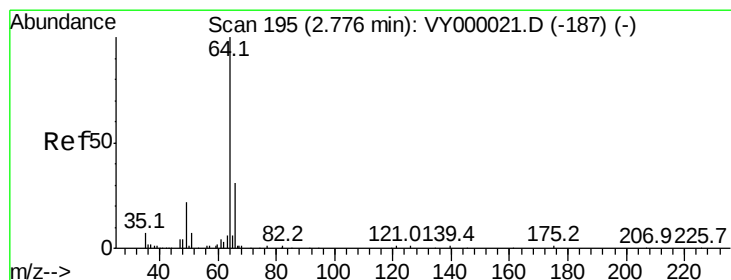
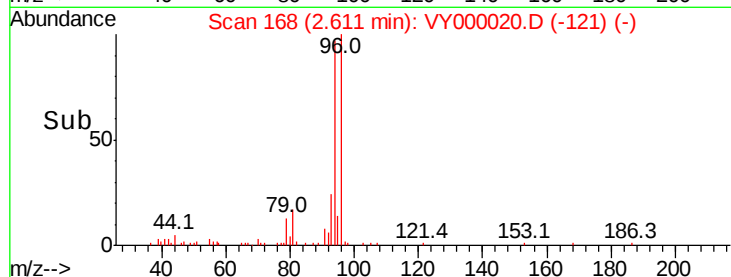
4000

2000

0

2.55 2.60 2.65 2.70

Time-->



#6

Chloroethane

Concen: 21.071 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VY000020.D

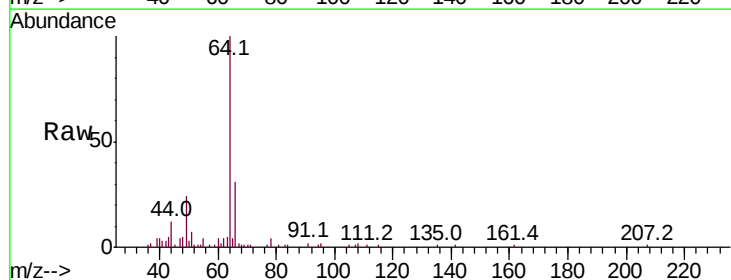
Acq: 12 Sep 2019 11:54

Tgt Ion: 64 Resp: 21889

Ion Ratio Lower Upper

64 100

66 31.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

10000

8000

6000

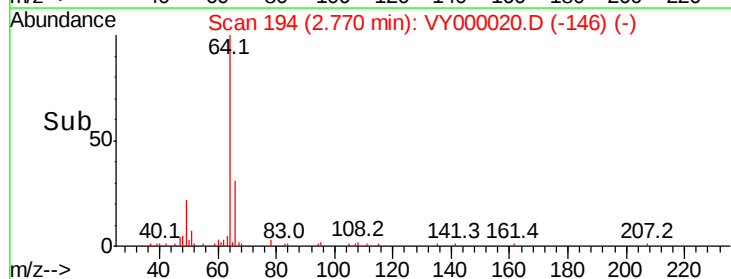
4000

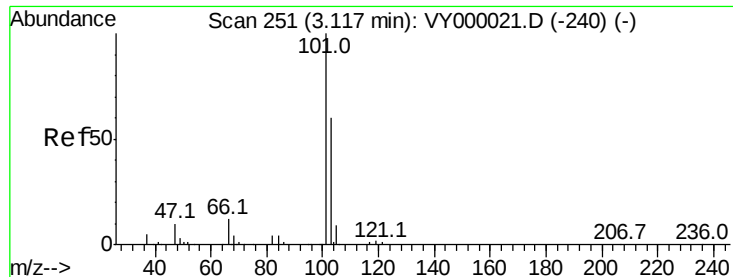
2000

0

2.70 2.80 2.90

Time-->



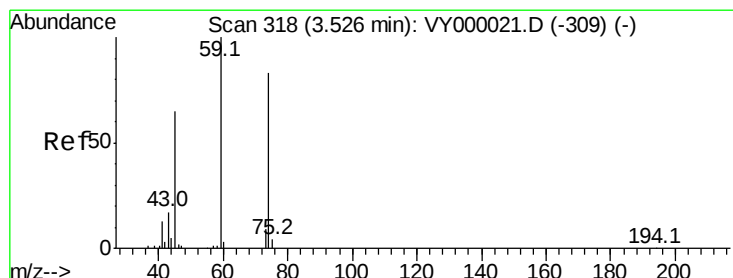
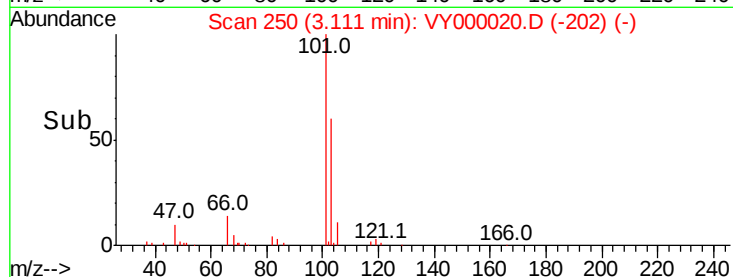
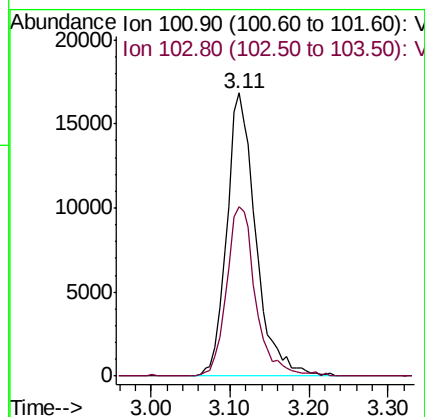
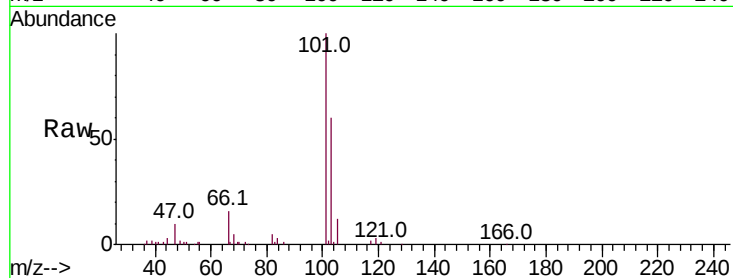


#7

Trichlorofluoromethane
Concen: 21.127 ug/l
RT: 3.11 min Scan# 250
Delta R.T. -0.01 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :

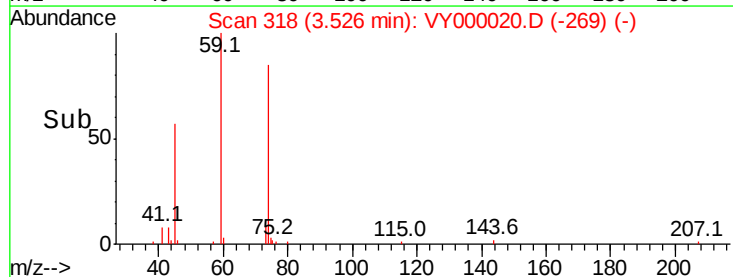
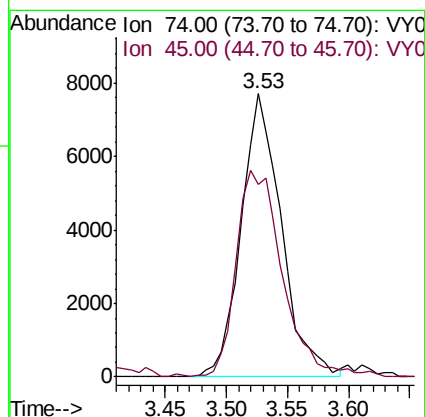
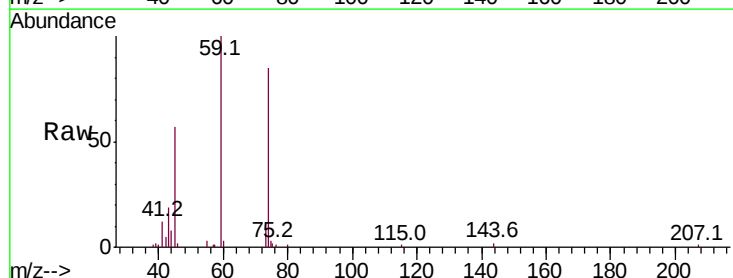
Tot Ion:101 Resp: 42835
Ion Ratio Lower Upper
101 100
103 60.1 48.1 72.1

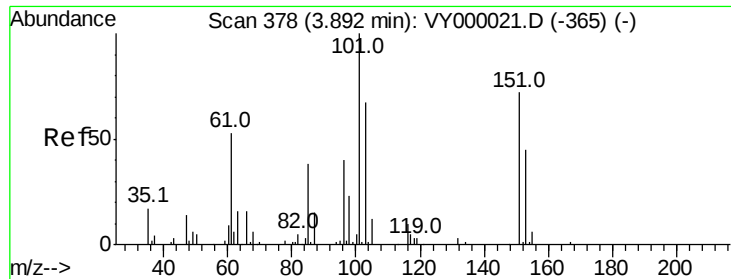


#8

Diethyl Ether
Concen: 21.220 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion: 74 Resp: 17681
Ion Ratio Lower Upper
74 100
45 83.9 41.9 125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.714 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampled :

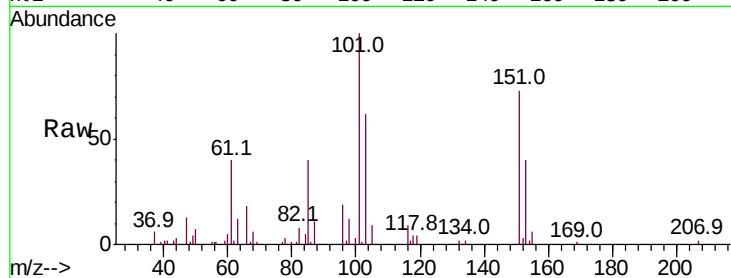
Tot Ion:101 Resp: 28581

Ion Ratio Lower Upper

101 100

85 45.0 35.3 52.9

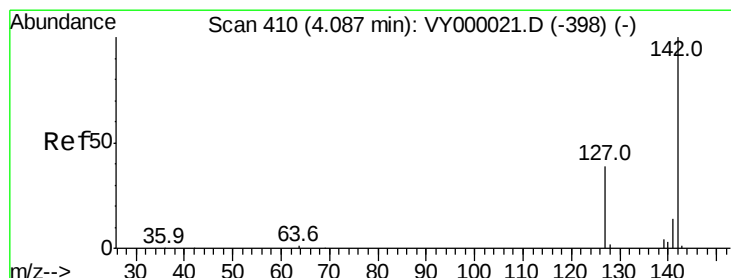
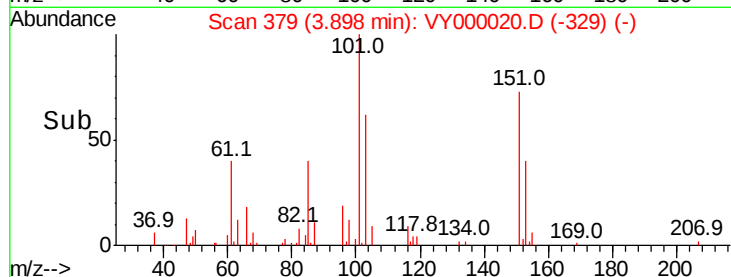
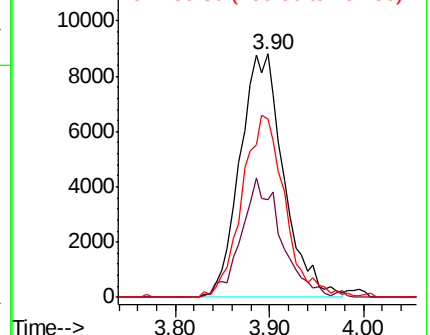
151 73.5 55.9 83.9



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: 20.042 ug/l

RT: 4.09 min Scan# 410

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

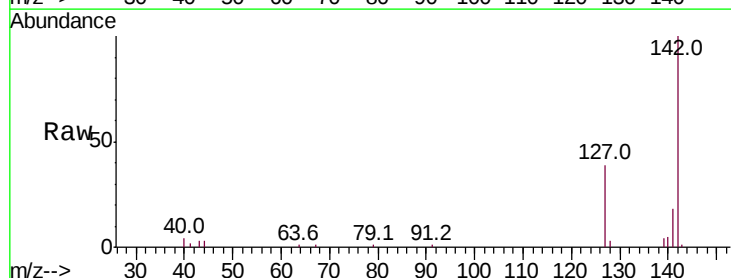
Tgt Ion:142 Resp: 30239

Ion Ratio Lower Upper

142 100

127 37.5 31.4 47.2

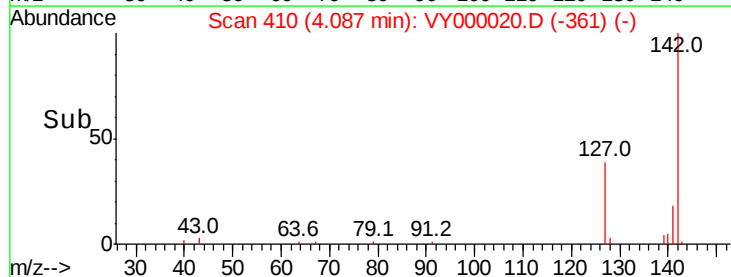
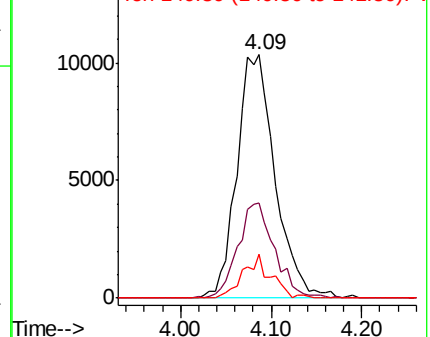
141 13.1 10.6 16.0

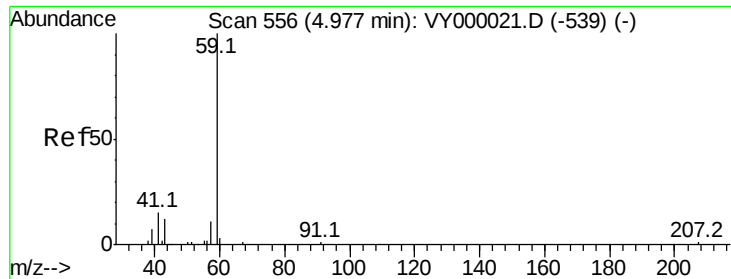


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 98.814 ug/l

RT: 4.98 min Scan# 557

Delta R.T. 0.01 min

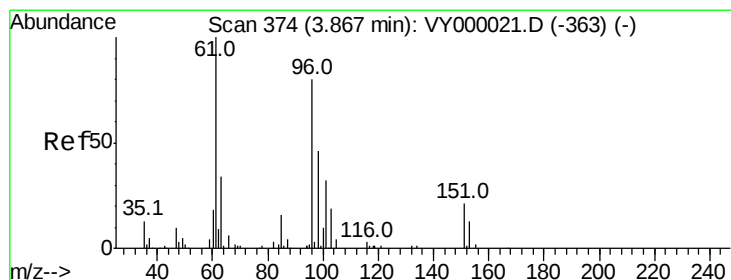
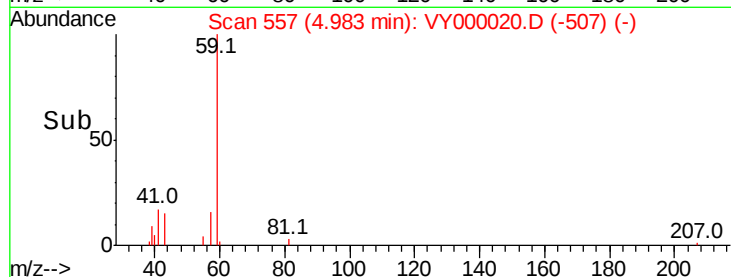
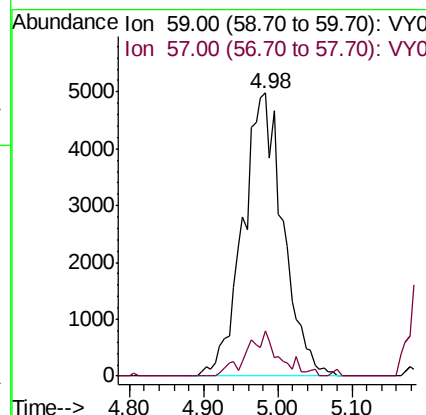
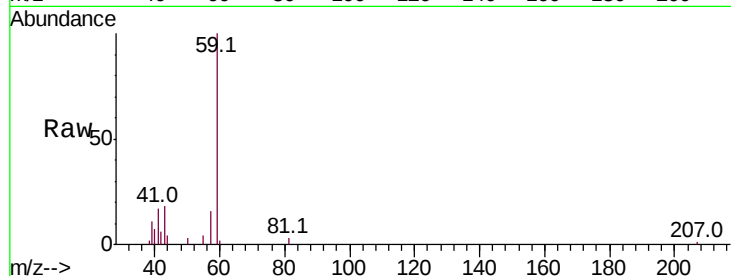
Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 59 Resp: 18883

Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.3	12.5



#12

1,1-Dichloroethene

Concen: 20.900 ug/l

RT: 3.87 min Scan# 374

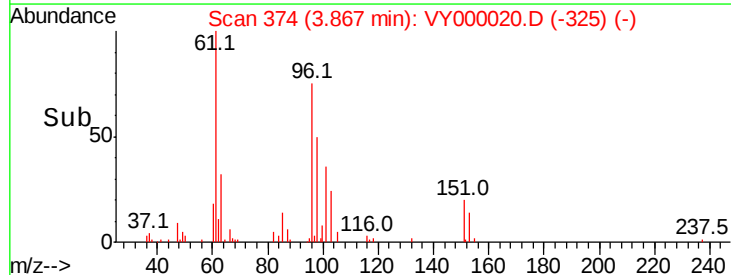
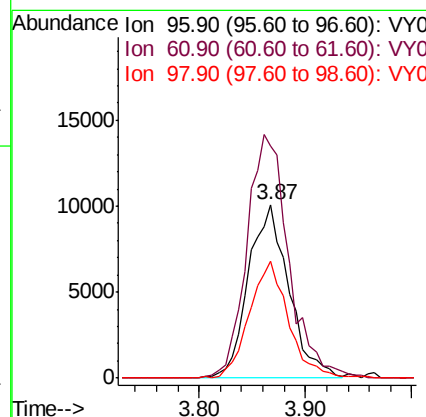
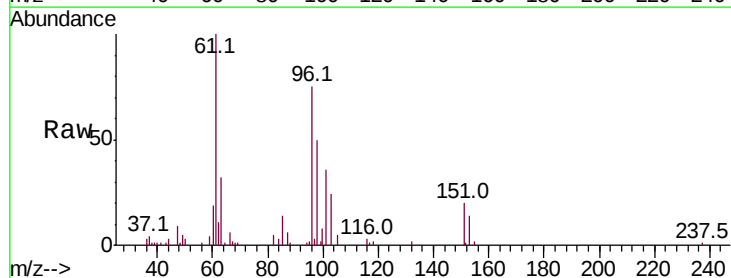
Delta R.T. -0.00 min

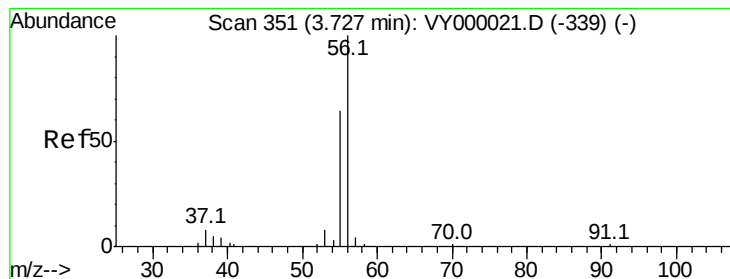
Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion: 96 Resp: 26875

Ion	Ratio	Lower	Upper
96	100		
61	133.8	99.8	149.6
98	67.4	46.3	69.5





#13

Acrolein

Concen: 115.114 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

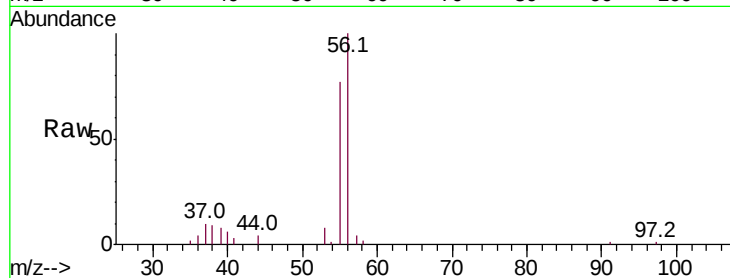
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 16503

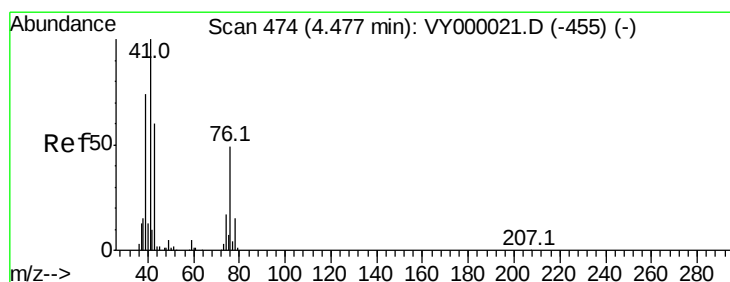
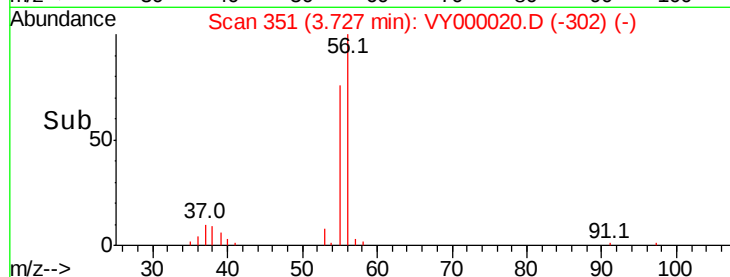
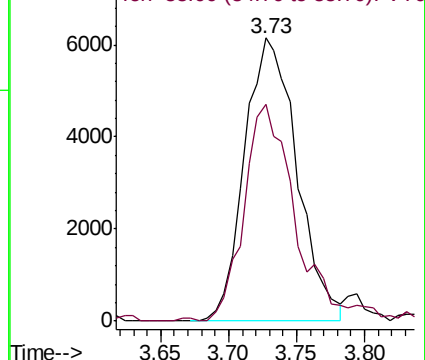
Ion Ratio Lower Upper

56 100

55 73.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 20.791 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

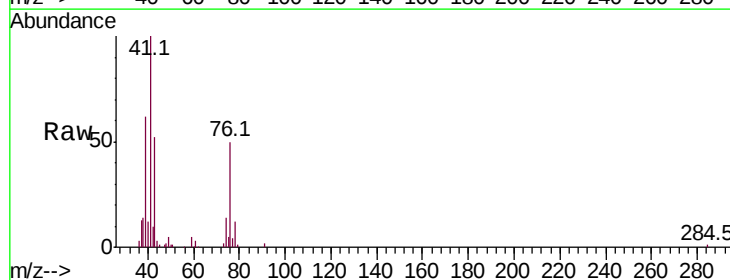
Tgt Ion: 41 Resp: 41511

Ion Ratio Lower Upper

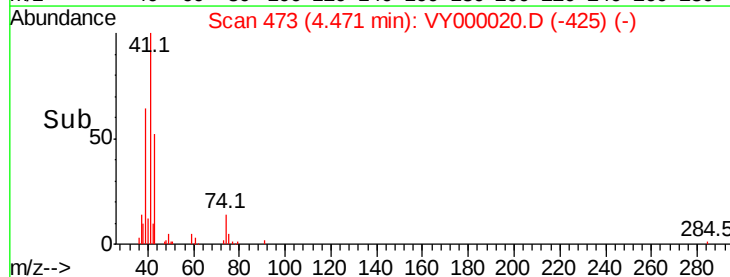
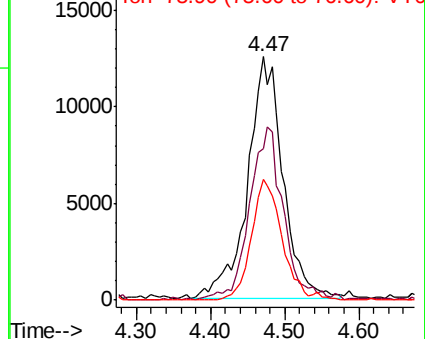
41 100

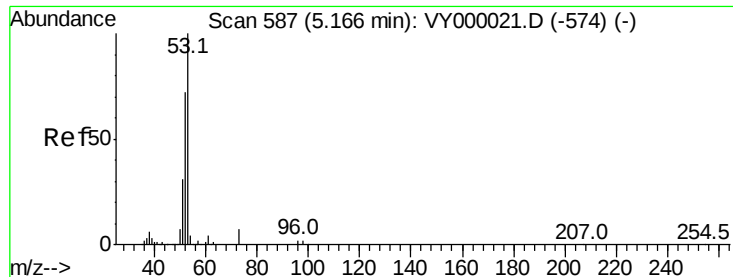
39 68.5 53.1 79.7

76 43.7 34.9 52.3



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: 103.653 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

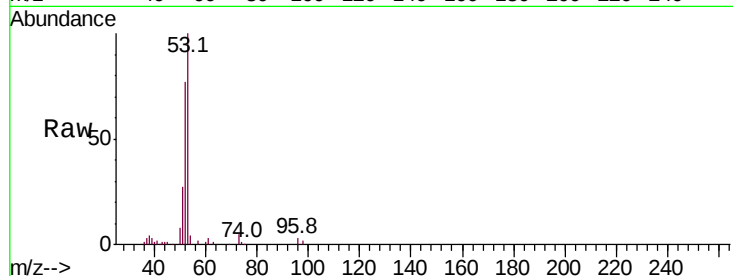
Tot Ion: 53 Resp: 54799

Ion Ratio Lower Upper

53 100

52 78.1 62.8 94.2

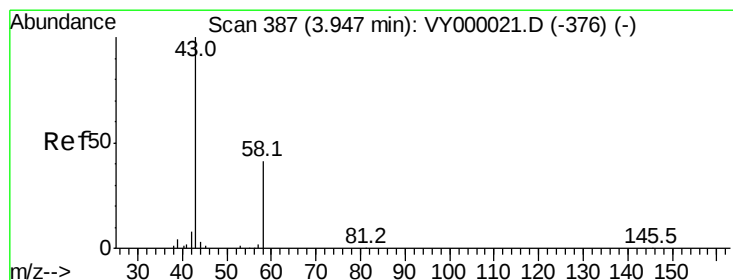
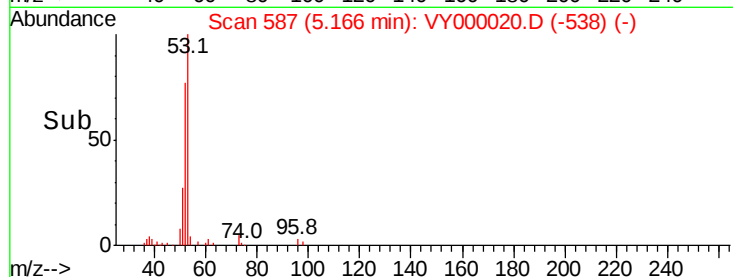
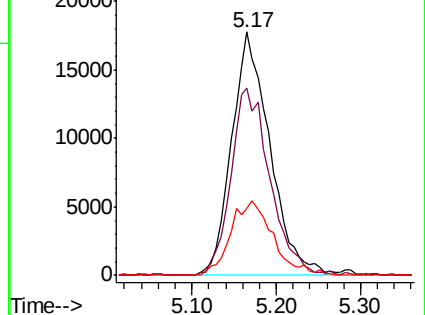
51 33.8 26.6 40.0



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: 97.566 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY000020.D

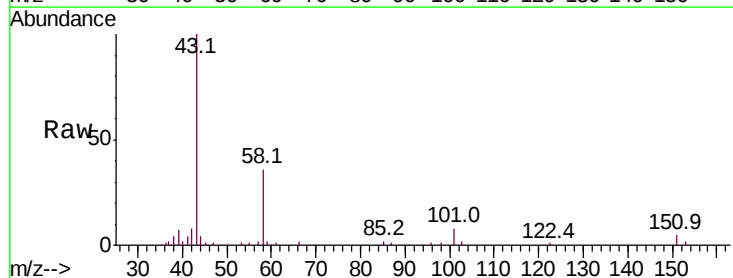
Acq: 12 Sep 2019 11:54

Tgt Ion: 43 Resp: 40661

Ion Ratio Lower Upper

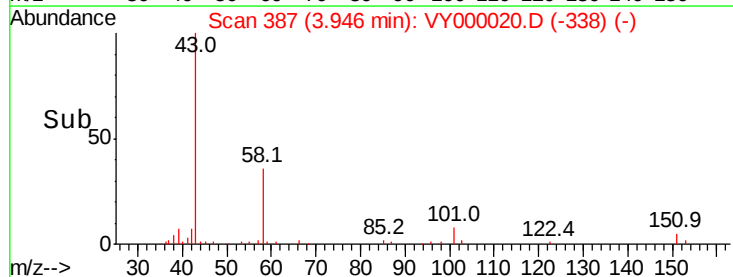
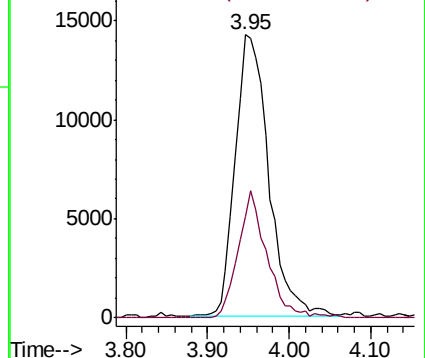
43 100

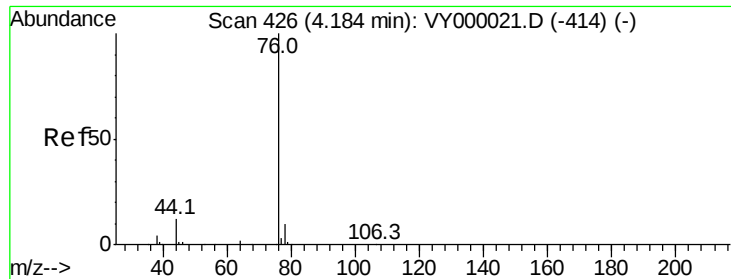
58 36.2 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 19.960 ug/l

RT: 4.18 min Scan# 426

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

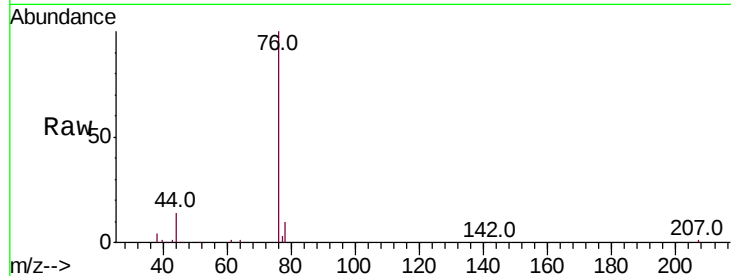
ClientSampleId :

Tot Ion: 76 Resp: 51686

Ion Ratio Lower Upper

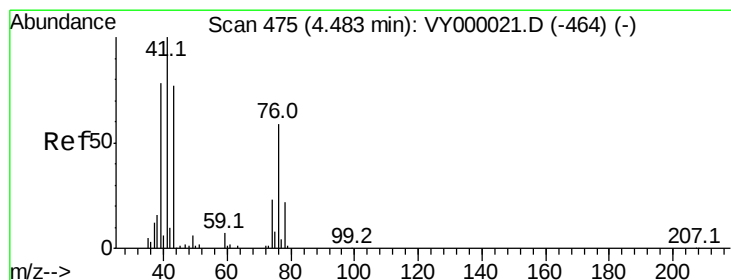
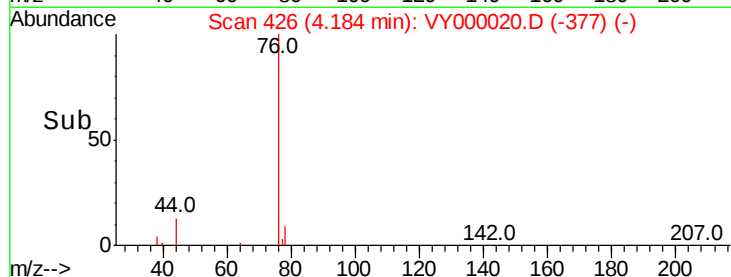
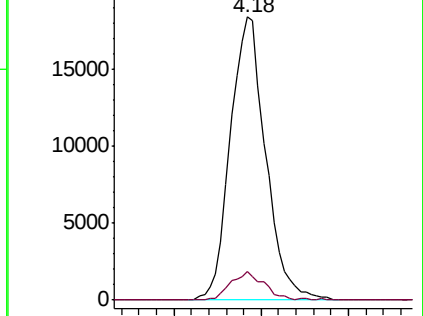
76 100

78 10.0 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 20.066 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.01 min

Lab File: VY000020.D

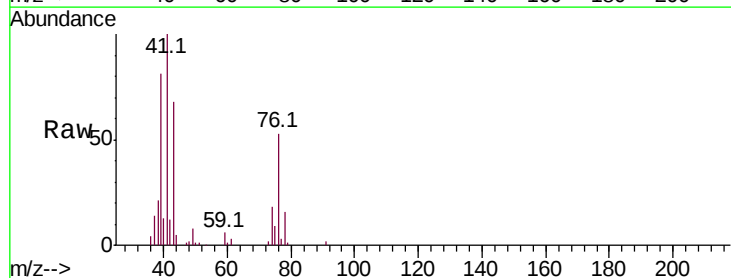
Acq: 12 Sep 2019 11:54

Tgt Ion: 43 Resp: 23532

Ion Ratio Lower Upper

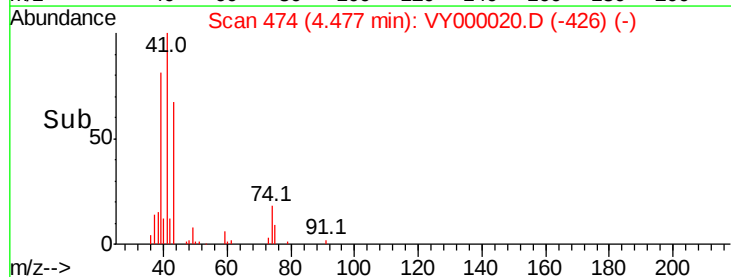
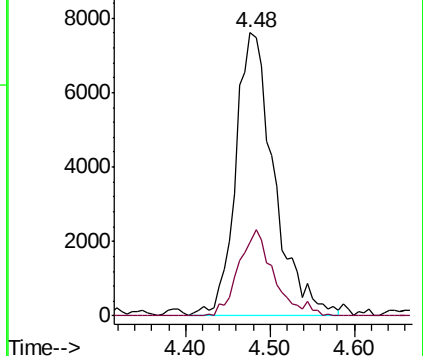
43 100

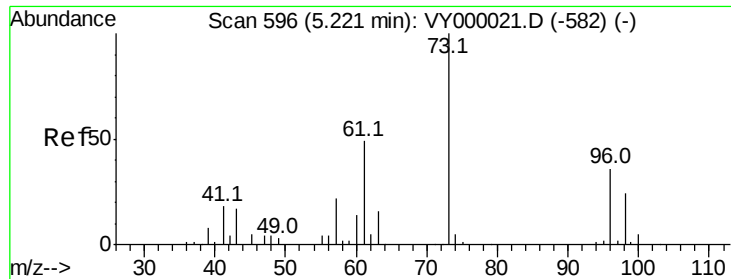
74 27.0 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

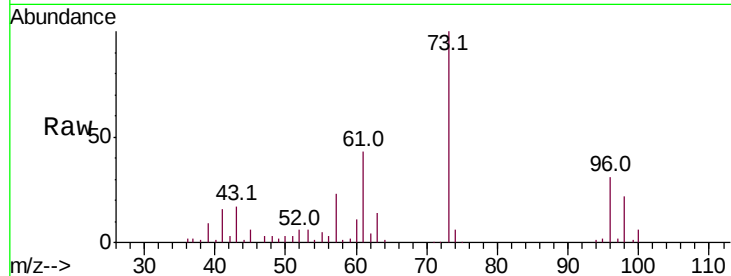




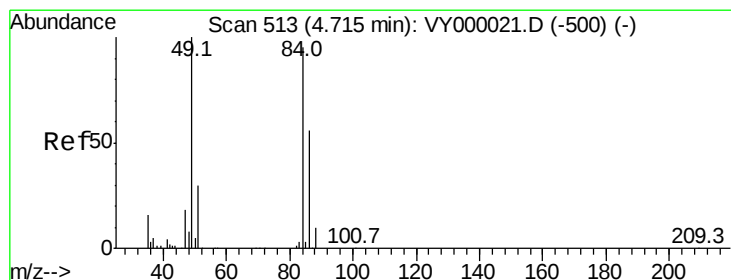
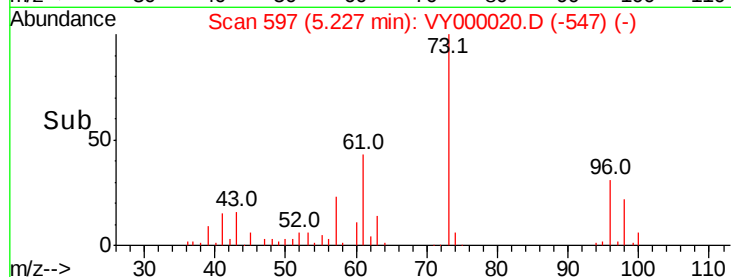
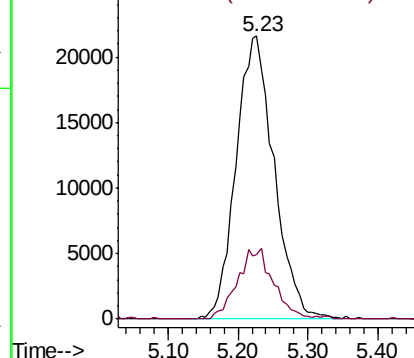
#19
Methvl tert-butvl Ether
Concen: 20.941 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 73 Resp: 81561
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8

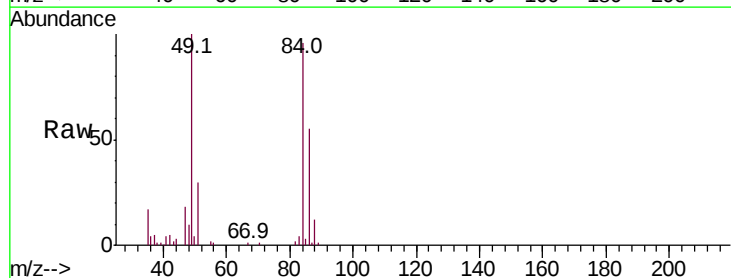


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

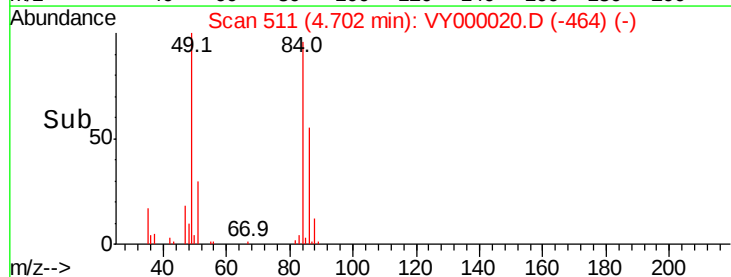
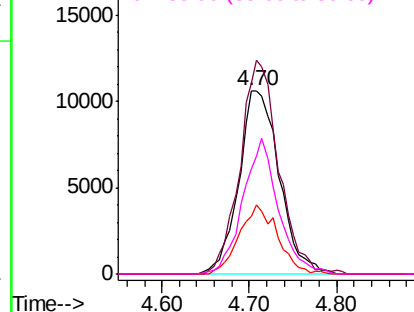


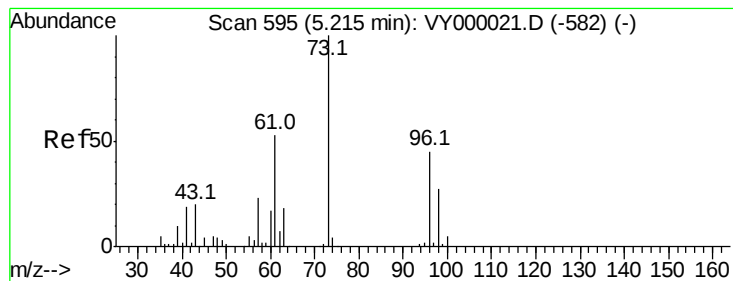
#20
Methylene Chloride
Concen: 20.558 ug/l
RT: 4.70 min Scan# 511
Delta R.T. -0.01 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion: 84 Resp: 34157
Ion Ratio Lower Upper
84 100
49 103.9 84.4 126.6
51 31.4 25.4 38.0
86 57.5 47.4 71.2



Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0





#21

trans-1,2-Dichloroethene

Concen: 19.913 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

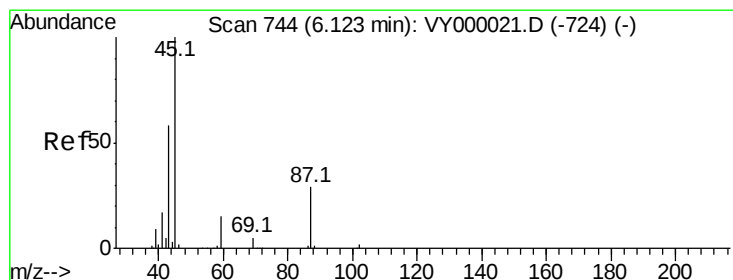
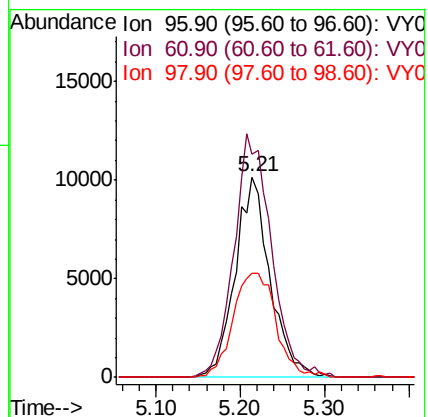
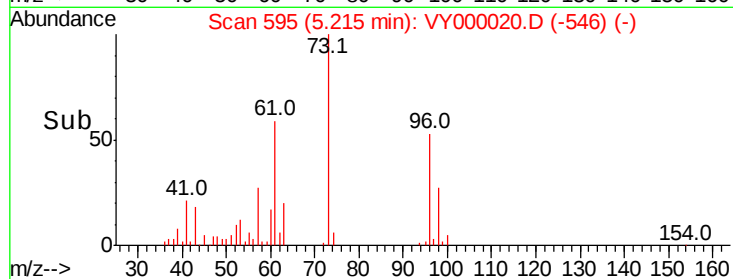
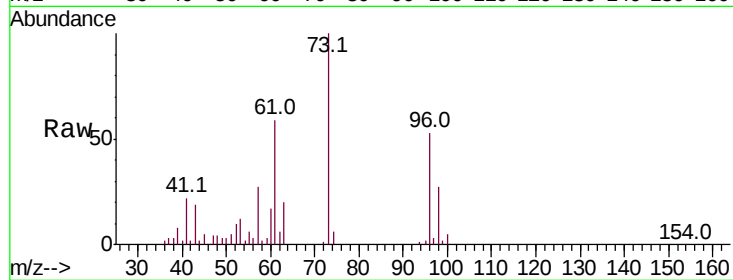
Tot Ion: 96 Resp: 28353

Ion Ratio Lower Upper

96 100

61 111.5 95.3 142.9

98 51.8 48.7 73.1



#22

Diisopropyl ether

Concen: 20.974 ug/l

RT: 6.12 min Scan# 744

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion: 45 Resp: 92445

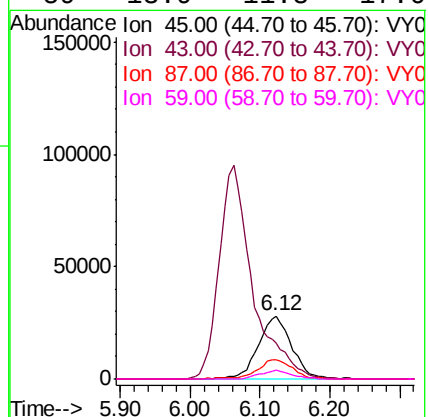
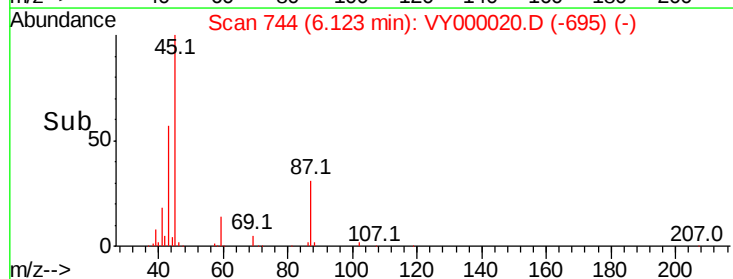
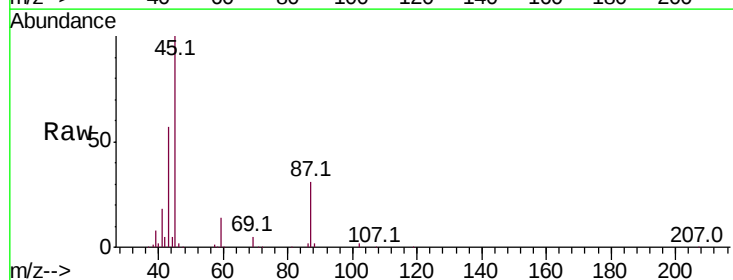
Ion Ratio Lower Upper

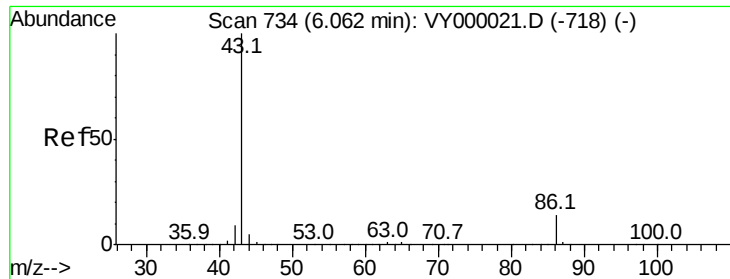
45 100

43 56.5 47.0 70.4

87 30.9 23.1 34.7

59 13.9 11.8 17.6





#23

Vinyl Acetate

Concen: 104.022 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

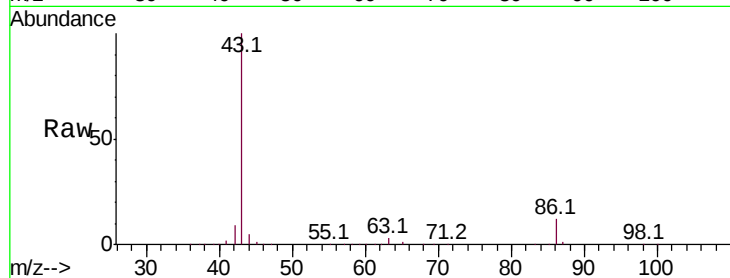
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 317171

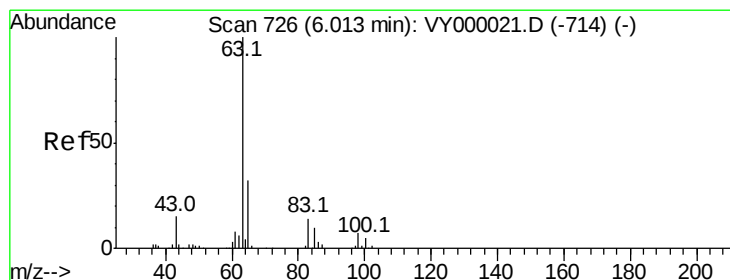
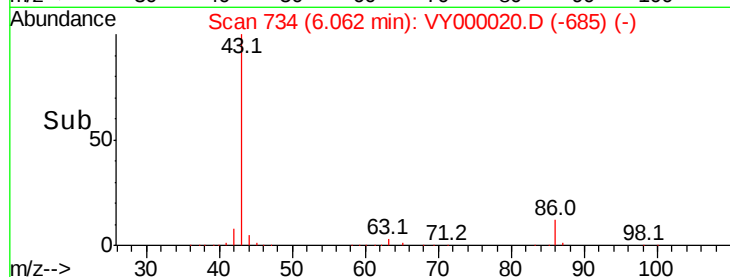
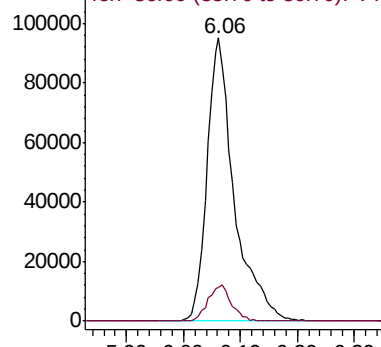
Ion Ratio Lower Upper

43 100

86 12.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.916 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

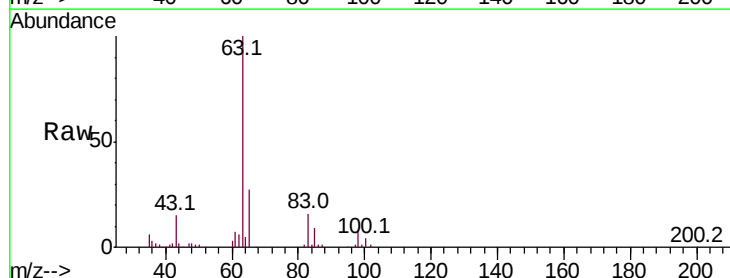
Tgt Ion: 63 Resp: 54631

Ion Ratio Lower Upper

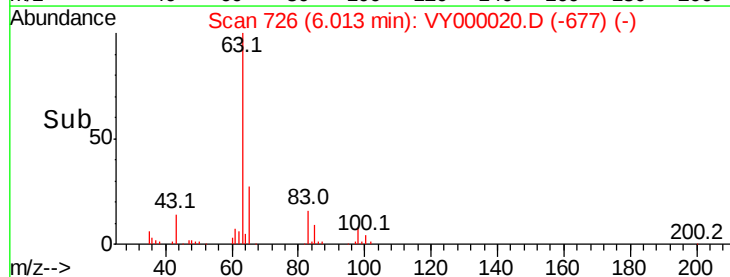
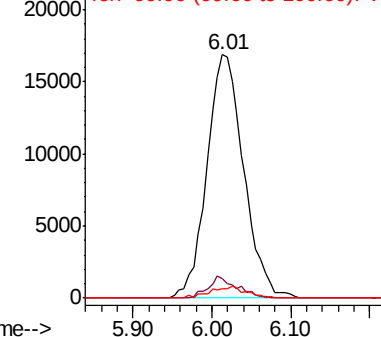
63 100

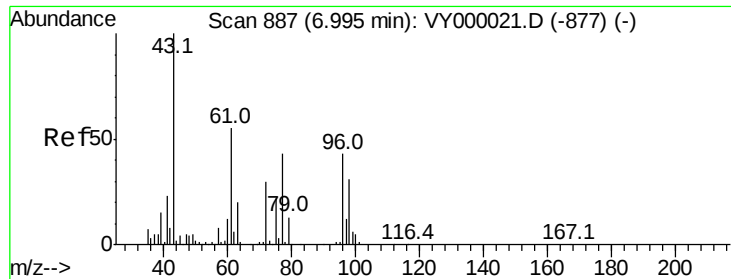
98 8.2 3.8 11.2

100 4.0 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 97.90 (97.60 to 98.60): VY0
Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 100.609 ug/l

RT: 6.99 min Scan# 887

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

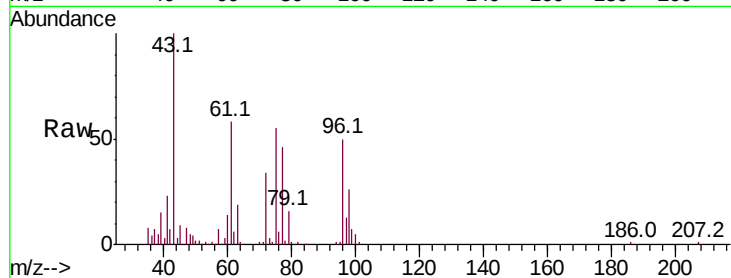
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 68155

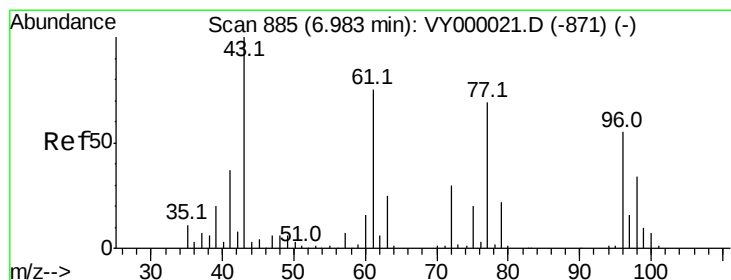
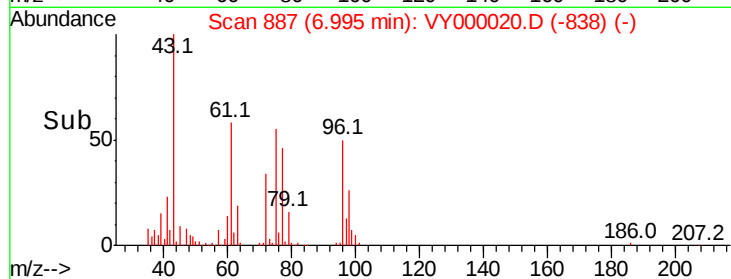
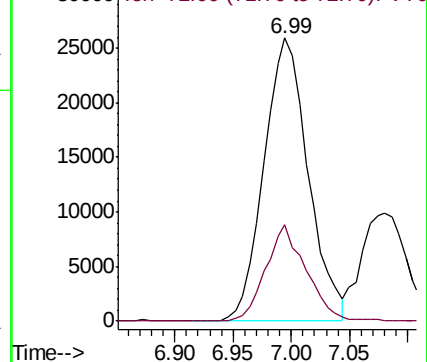
Ion Ratio Lower Upper

43 100

72 34.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.589 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000020.D

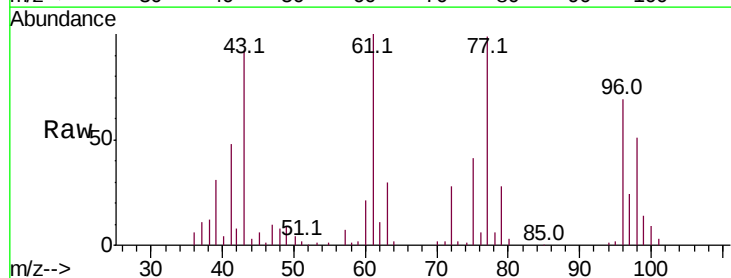
Acq: 12 Sep 2019 11:54

Tgt Ion: 77 Resp: 49956

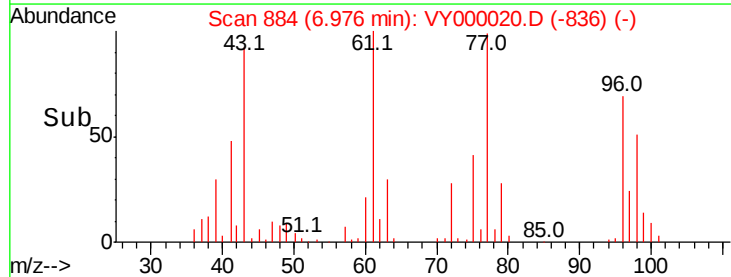
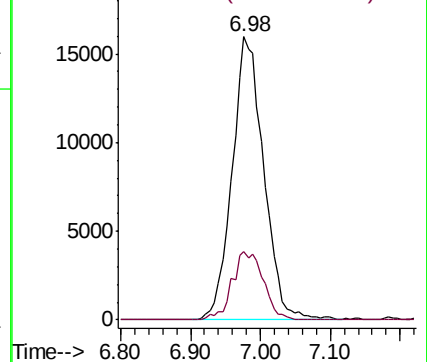
Ion Ratio Lower Upper

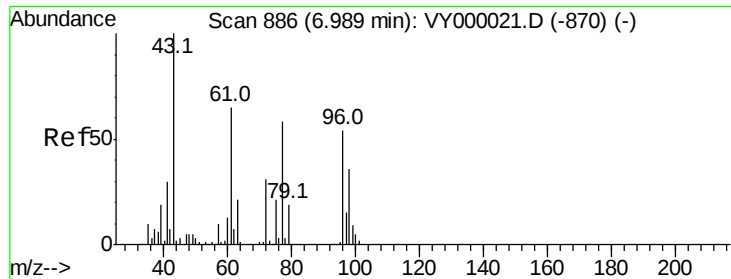
77 100

97 23.7 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0
Ion 96.90 (96.60 to 97.60): VY0



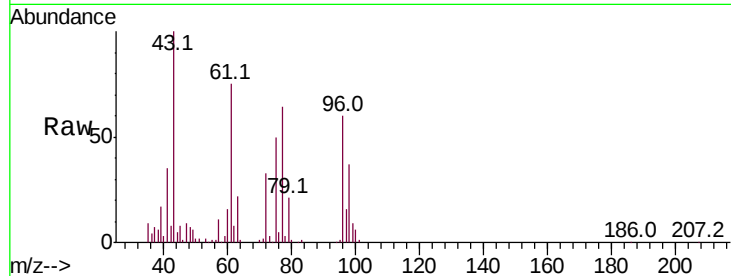


#27

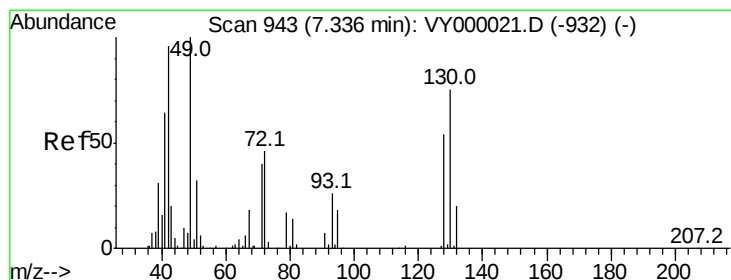
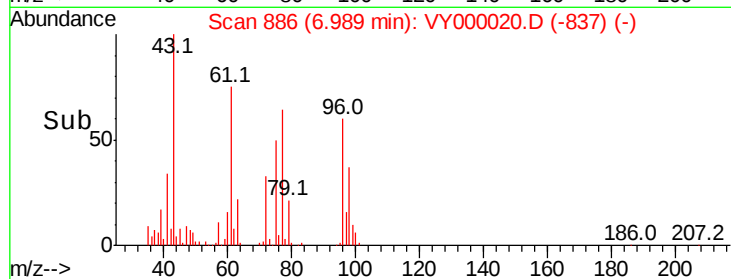
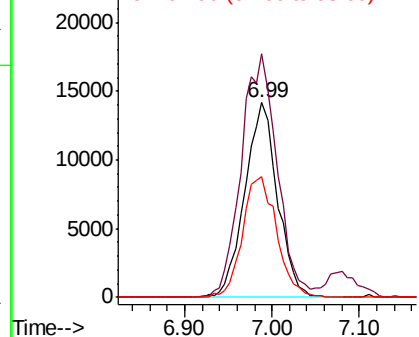
cis-1,2-Dichloroethene
Concen: 20.470 ug/l
RT: 6.99 min Scan# 886
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 36773
Ion Ratio Lower Upper
96 100
61 136.8 0.0 259.2
98 64.7 0.0 127.4



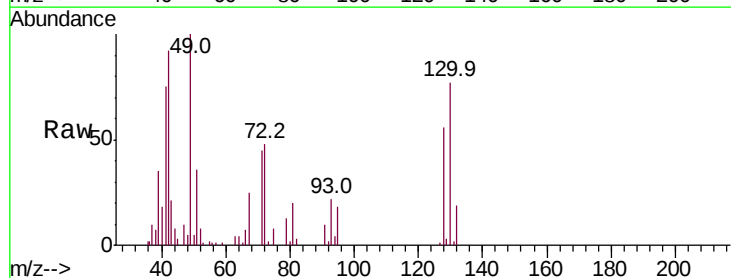
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



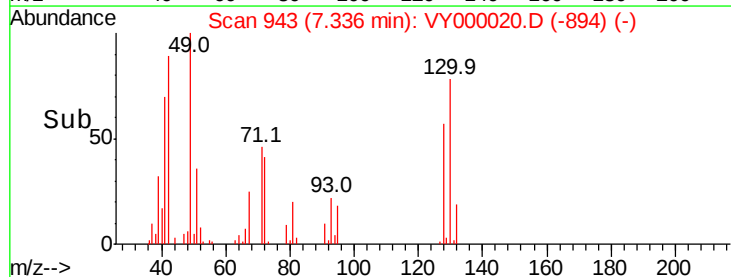
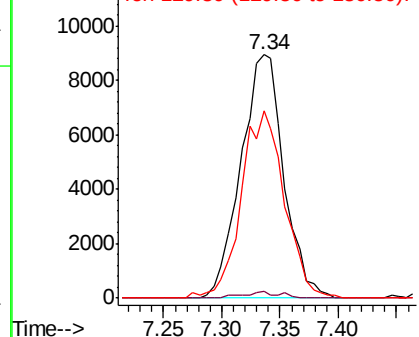
#28

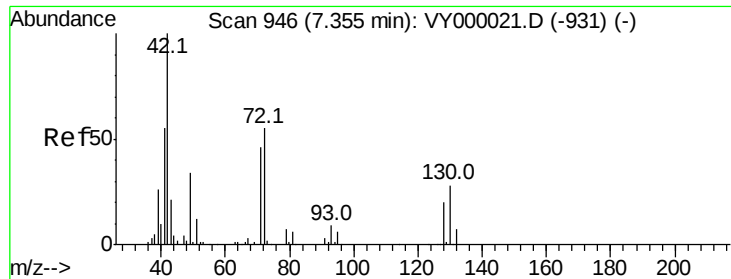
Bromochloromethane
Concen: 19.088 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion: 49 Resp: 22896
Ion Ratio Lower Upper
49 100
129 1.7 0.0 1.8
130 77.3 62.5 93.7



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

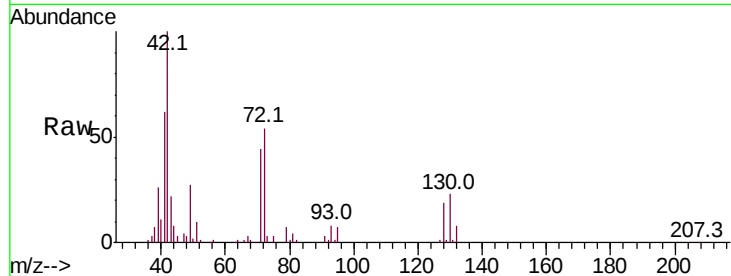




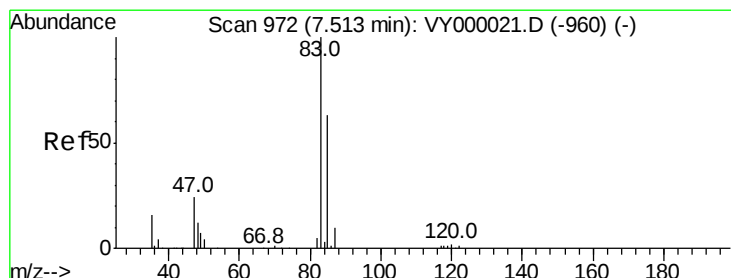
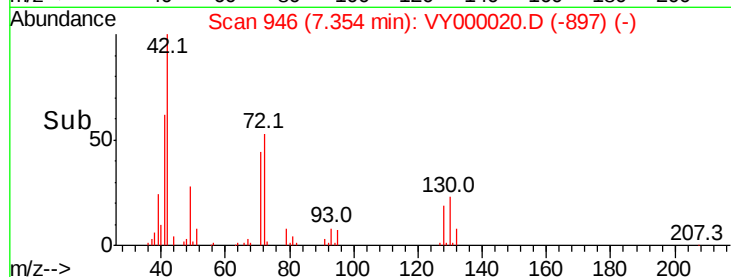
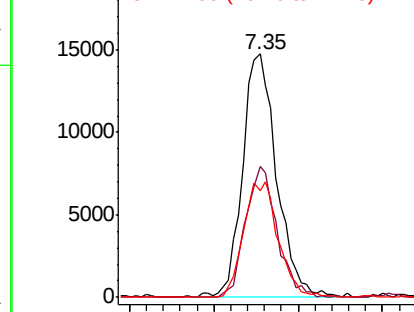
#29
Tetrahydrofuran
Concen: 100.115 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 40344
Ion Ratio Lower Upper
42 100
72 49.8 41.1 61.7
71 48.3 36.5 54.7

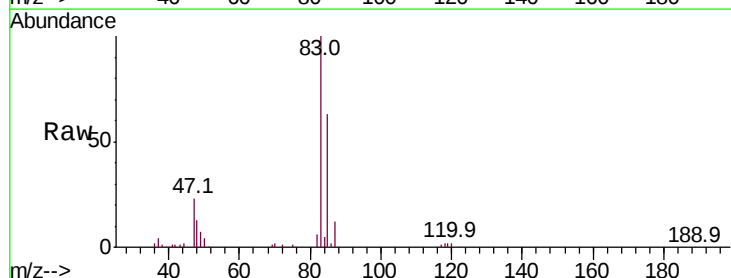


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

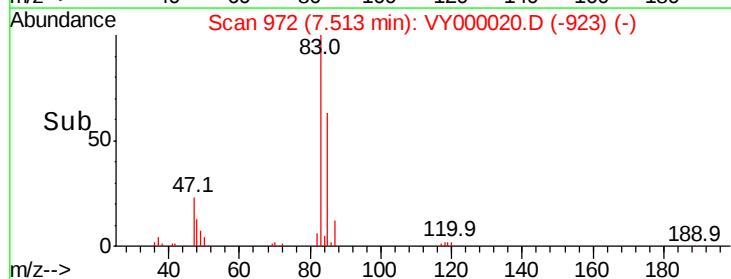
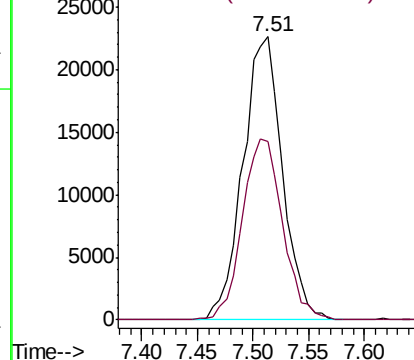


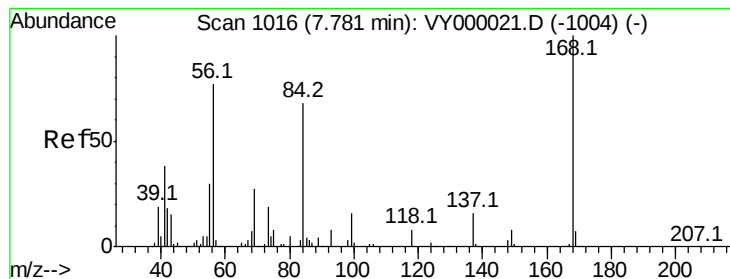
#30
Chloroform
Concen: 20.795 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion: 83 Resp: 56009
Ion Ratio Lower Upper
83 100
85 63.1 50.6 76.0



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





#31

Cyclohexane

Concen: 20.278 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampled :

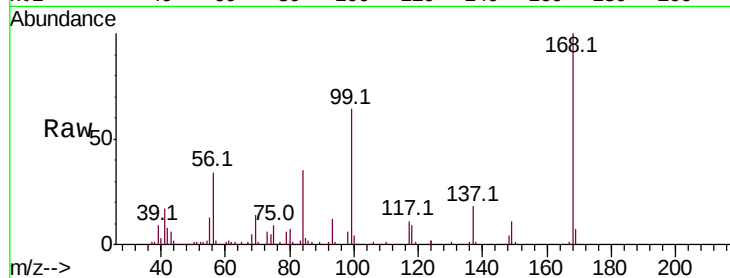
Tot Ion: 56 Resp: 44142

Ion Ratio Lower Upper

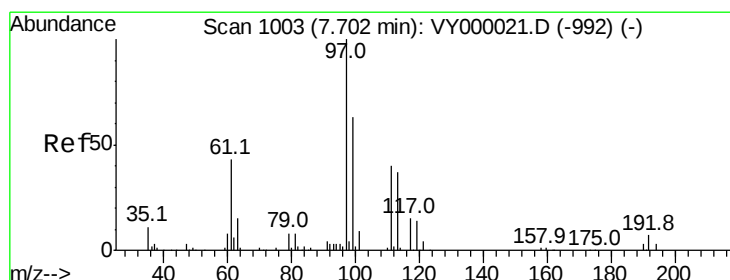
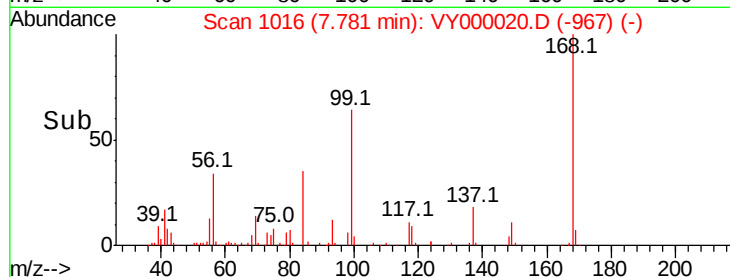
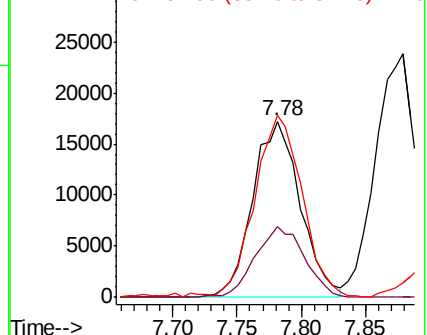
56 100

69 40.5 28.0 42.0

84 100.3 70.4 105.6



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



#32

1,1,1-Trichloroethane

Concen: 20.660 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

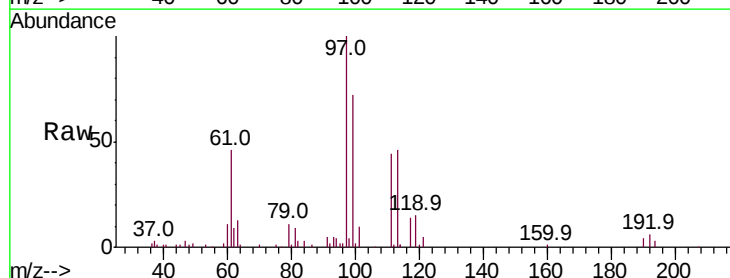
Tgt Ion: 97 Resp: 45648

Ion Ratio Lower Upper

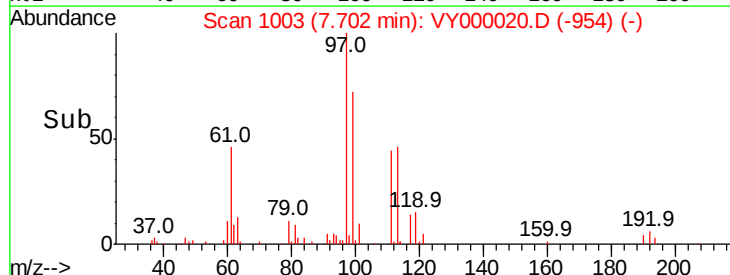
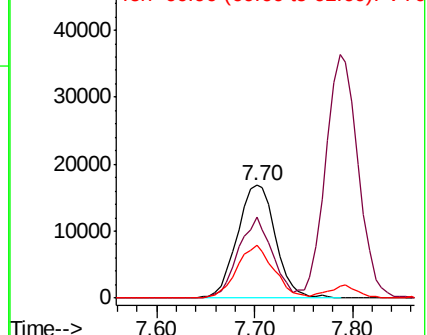
97 100

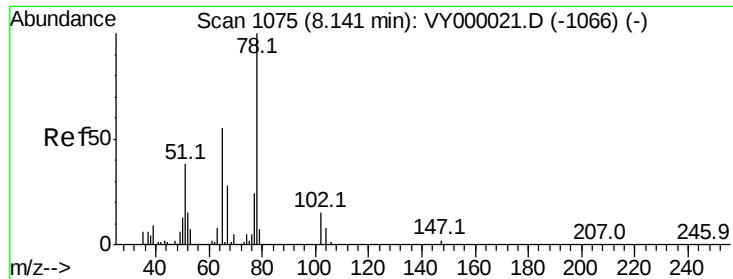
99 63.5 51.0 76.6

61 45.2 35.7 53.5



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





#33

1,2-Dichloroethane-d4

Concen: 20.113 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

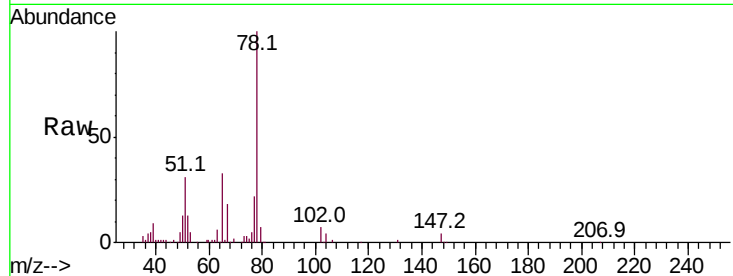
ClientSampleId :

Tot Ion: 65 Resp: 30232

Ion Ratio Lower Upper

65 100

67 59.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

15000

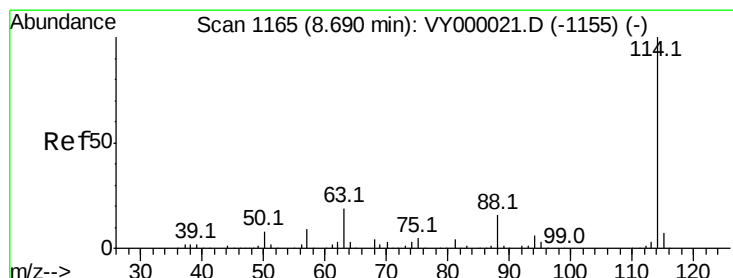
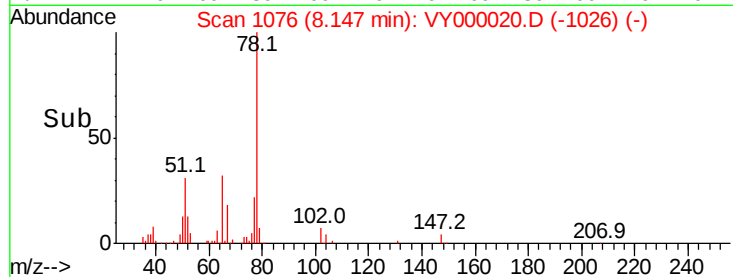
10000

5000

0

8.05 8.10 8.15 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

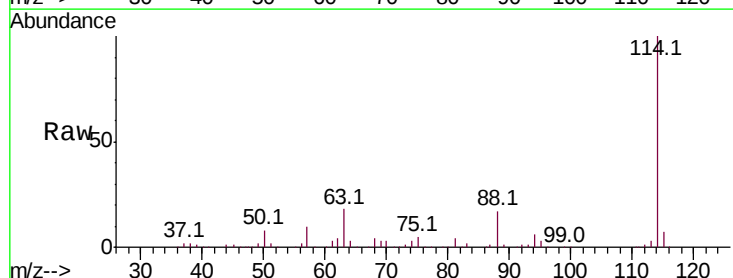
Tgt Ion:114 Resp: 263314

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.6

88 16.5 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

150000

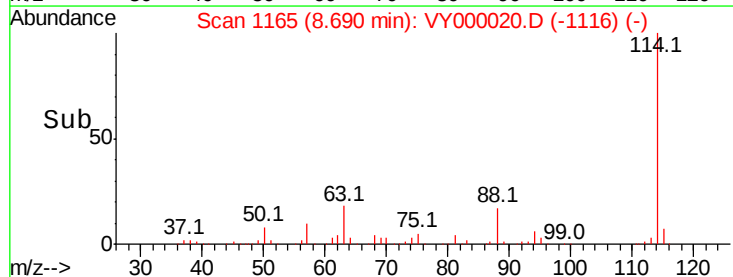
100000

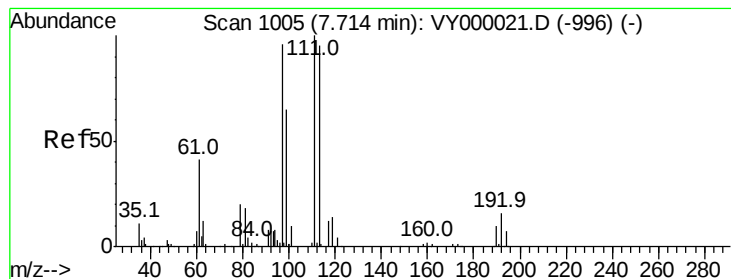
50000

0

8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 21.490 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

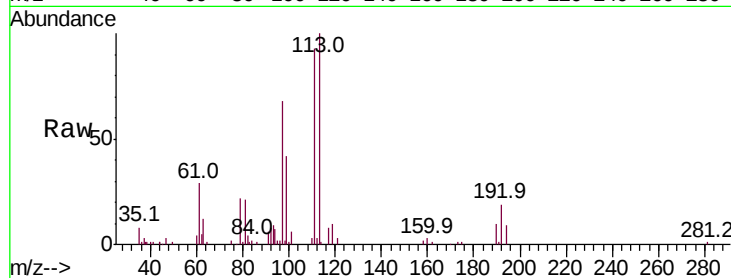
Tot Ion:113 Resp: 32463

Ion Ratio Lower Upper

113 100

111 105.5 83.9 125.9

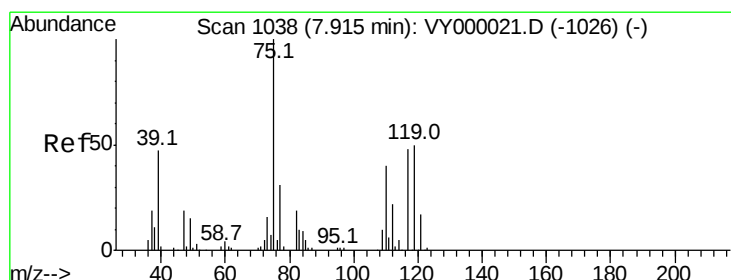
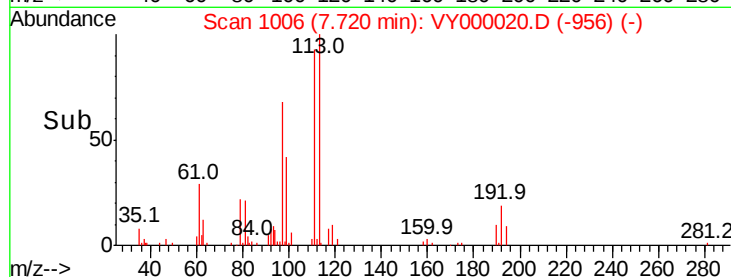
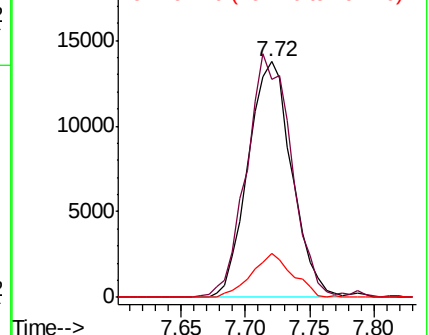
192 17.4 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.063 ug/l

RT: 7.92 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

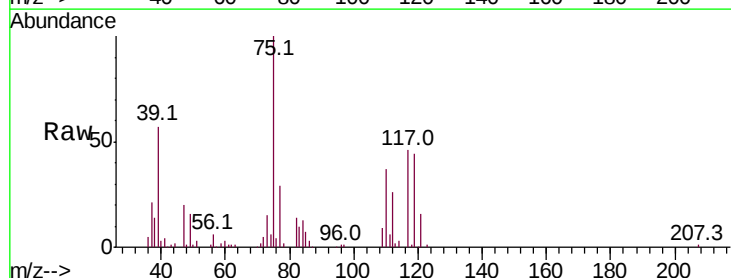
Tgt Ion: 75 Resp: 40721

Ion Ratio Lower Upper

75 100

110 36.4 18.6 55.8

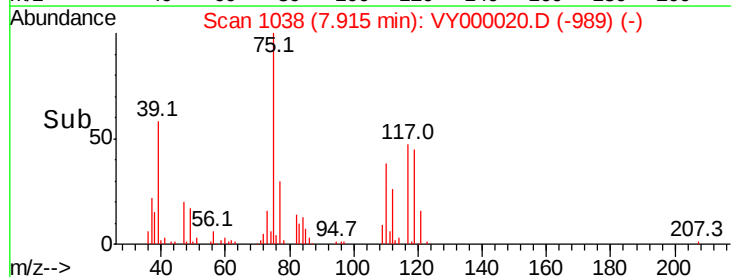
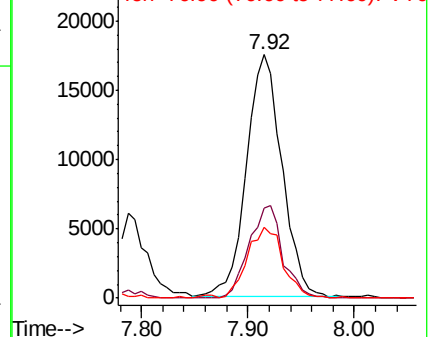
77 29.7 24.4 36.6

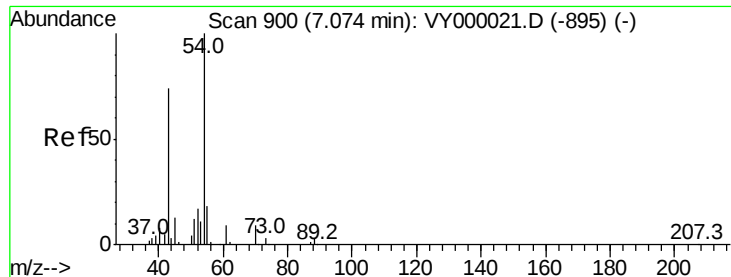


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

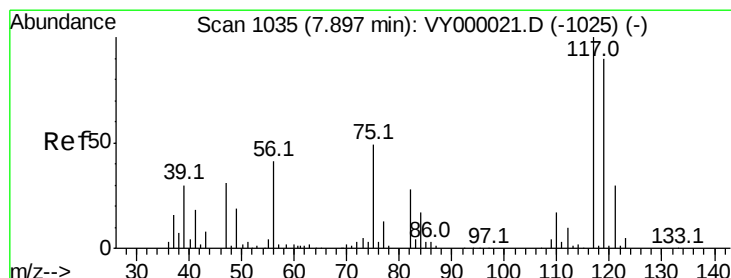
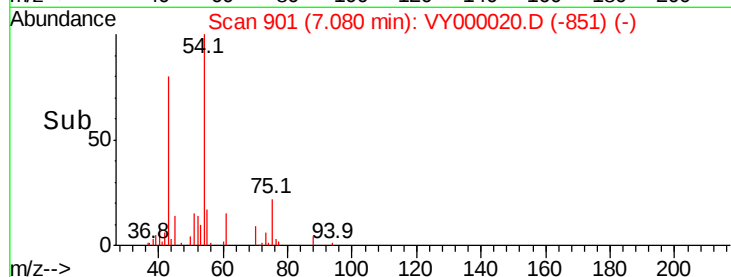
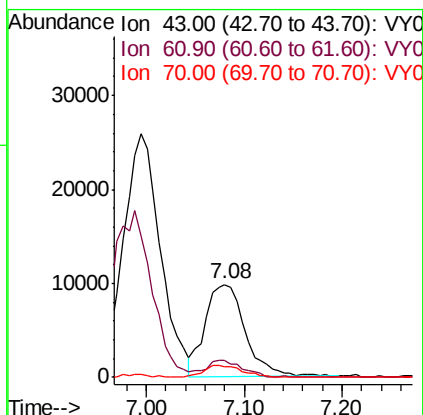
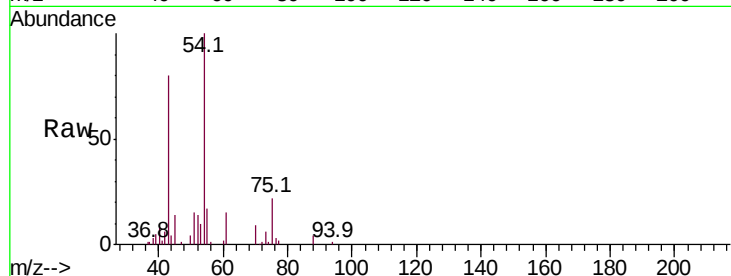




#37
Ethyl Acetate
Concen: 21.397 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

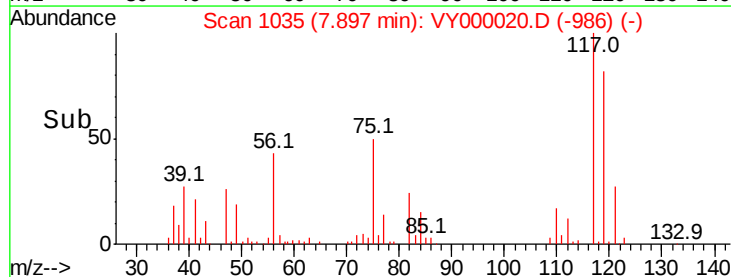
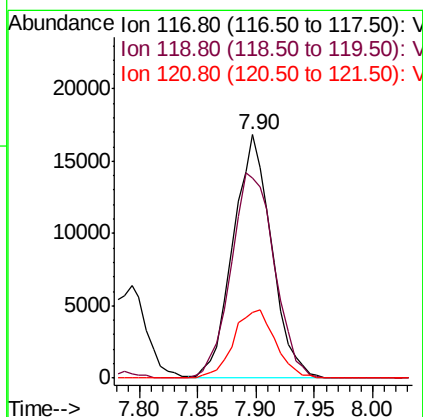
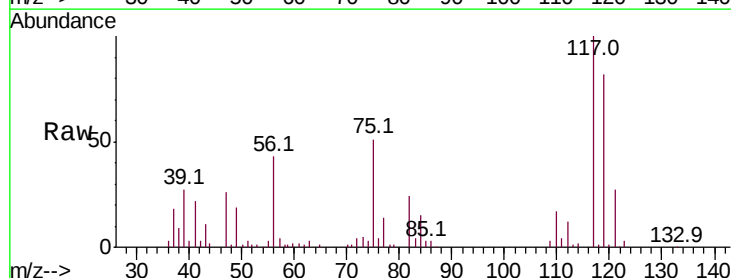
Instrument :
MSVOA_Y
ClientSampled :

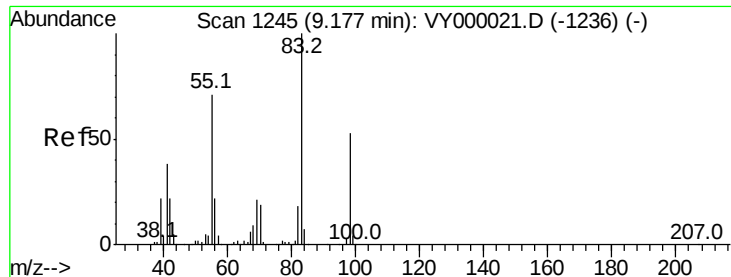
Tot Ion: 43 Resp: 27895
Ion Ratio Lower Upper
43 100
61 16.6 13.1 19.7
70 12.8 10.9 16.3



#38
Carbon Tetrachloride
Concen: 21.288 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion: 117 Resp: 38848
Ion Ratio Lower Upper
117 100
119 81.9 72.1 108.1
121 26.8 23.9 35.9

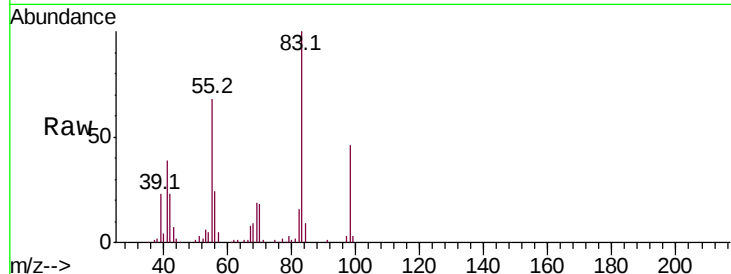




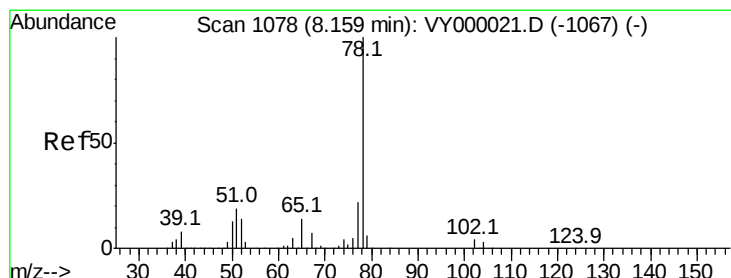
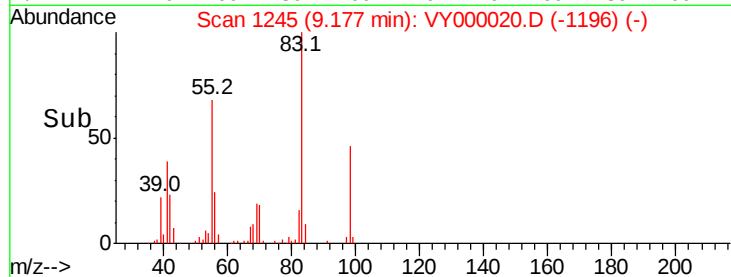
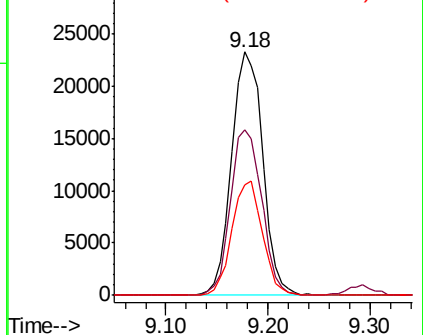
#39
Methvlcvclohexane
Concen: 20.614 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	83	Resp	49239
Ion	Ratio	Lower	Upper
83	100		
55	67.9	57.0	85.4
98	45.6	42.0	63.0

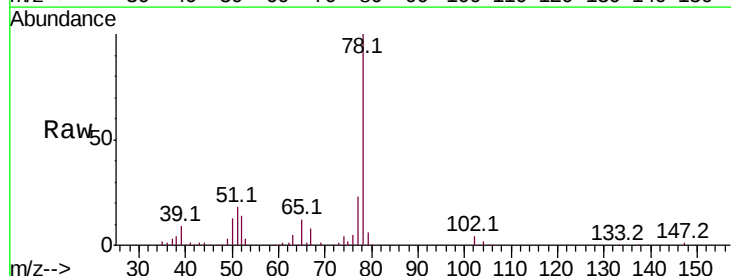


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

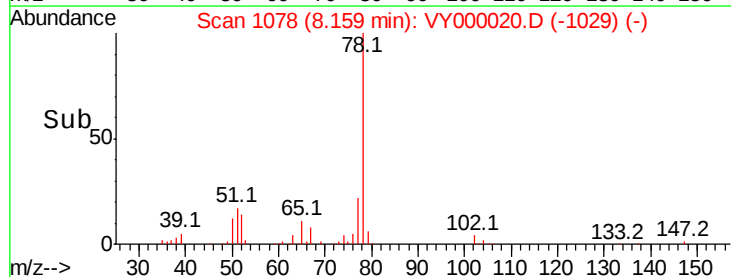
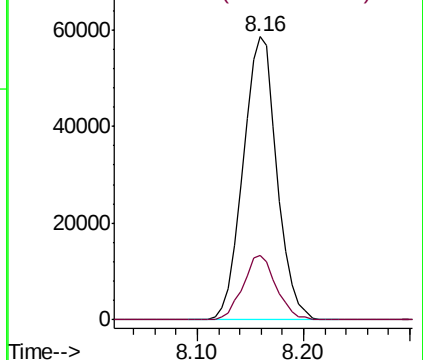


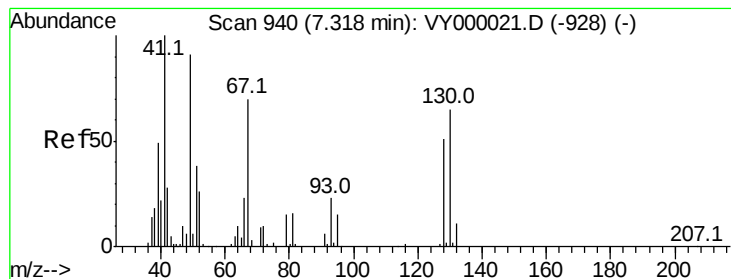
#40
Benzene
Concen: 20.674 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	78	Resp	130128
Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.8	26.6



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#41

Methacrylonitrile

Concen: 22.418 ug/l

RT: 7.35 min Scan# 946

Delta R.T. 0.04 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 41 Resp: 37957

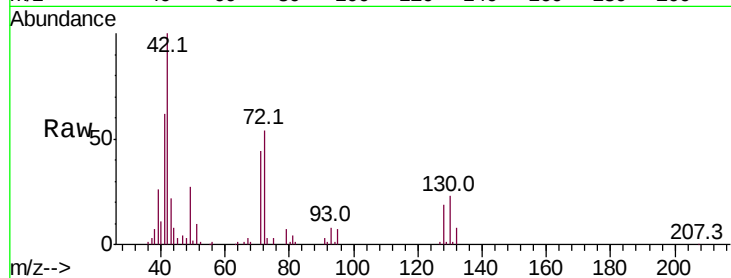
Ion Ratio Lower Upper

41 100

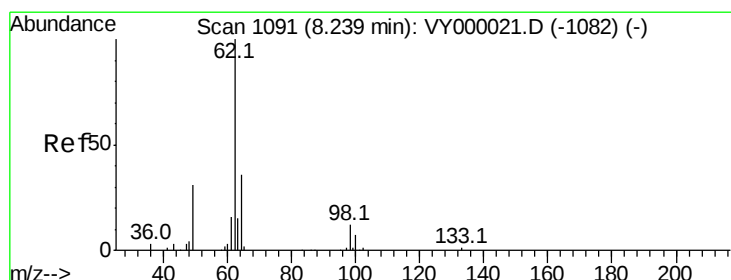
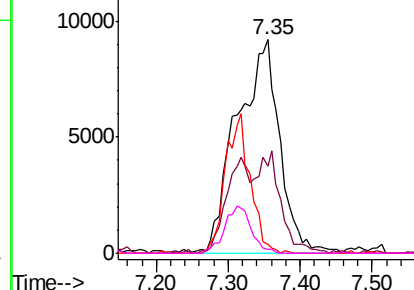
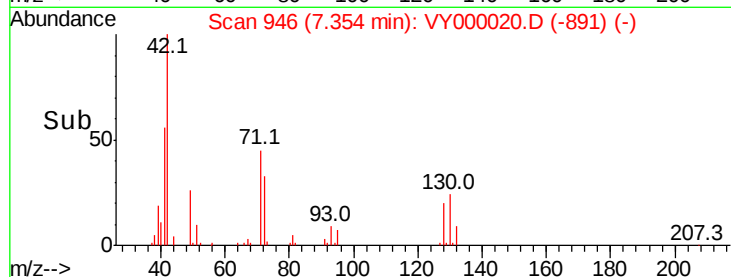
39 24.4 41.8 62.6#

67 0.0 65.8 98.6#

52 0.0 23.9 35.9#



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 20.984 ug/l

RT: 8.24 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VY000020.D

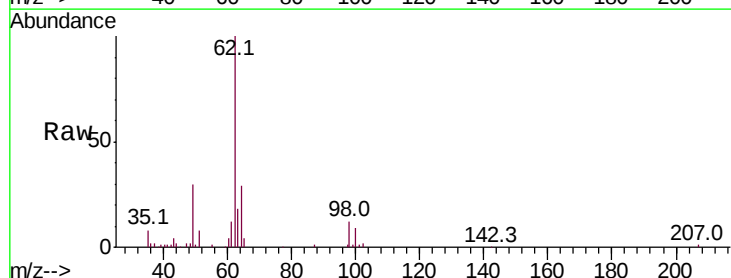
Acq: 12 Sep 2019 11:54

Tgt Ion: 62 Resp: 33753

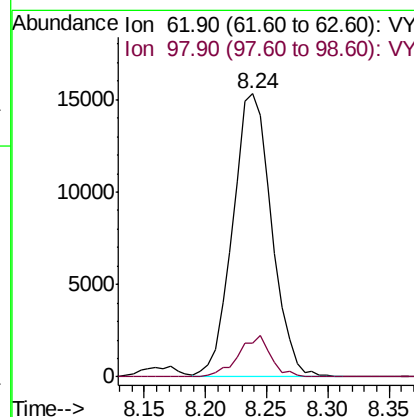
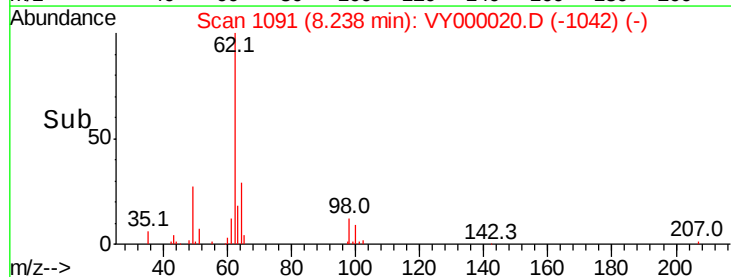
Ion Ratio Lower Upper

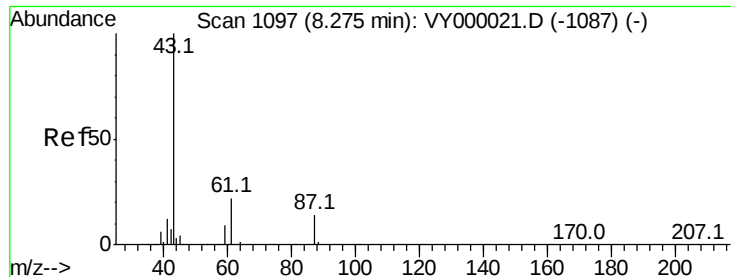
62 100

98 12.2 0.0 23.2



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



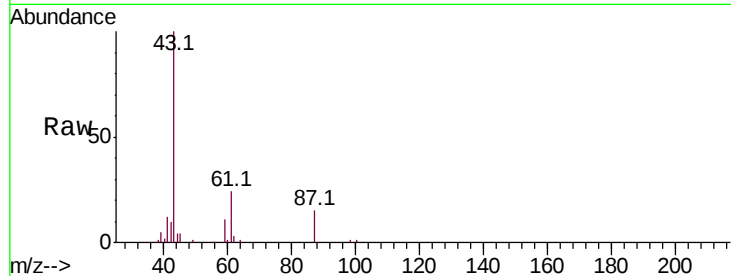


#43

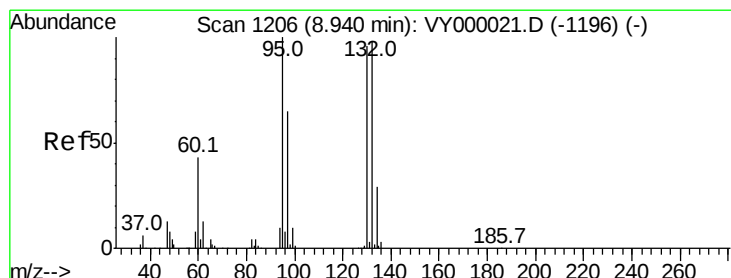
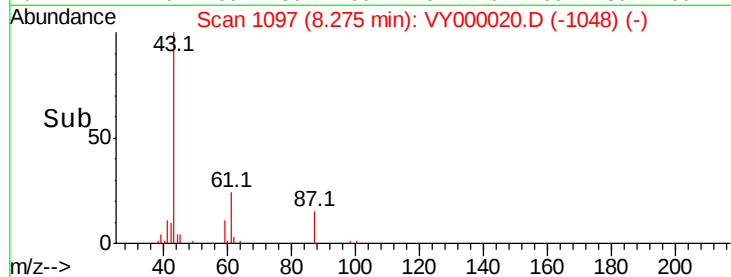
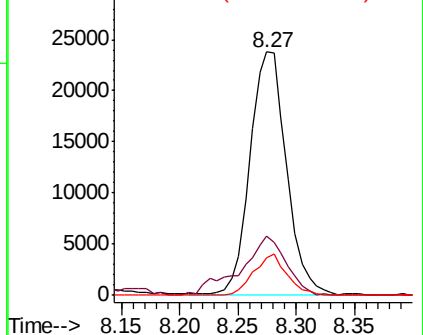
Isopropyl Acetate
 Concen: 20.570 ug/l
 RT: 8.27 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.9	37.3
87	15.3	12.3	18.5



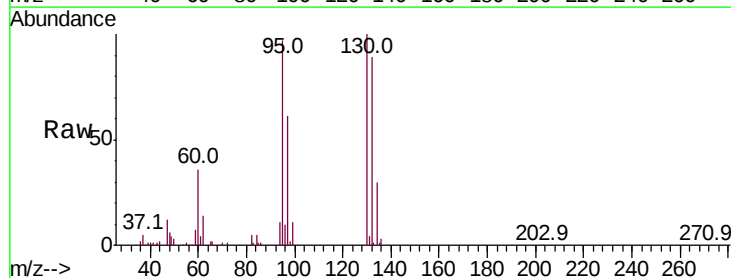
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



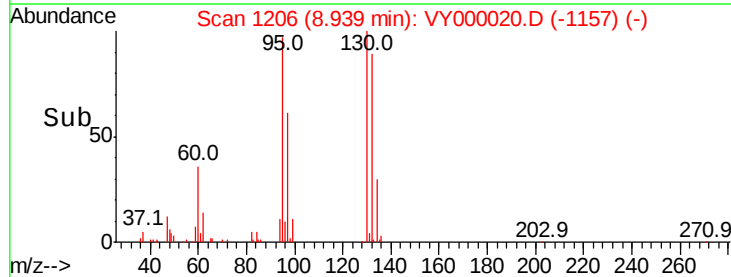
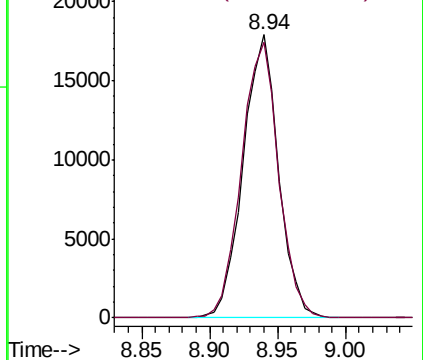
#44

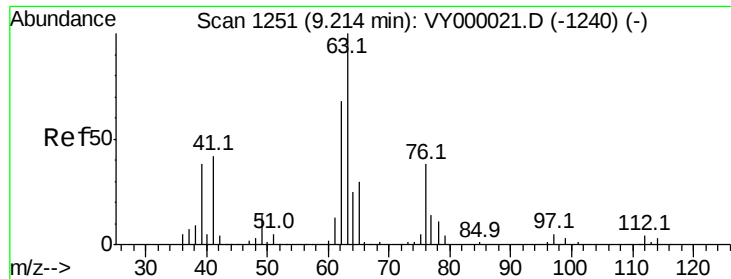
Trichloroethene
 Concen: 20.723 ug/l
 RT: 8.94 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	207.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VY0

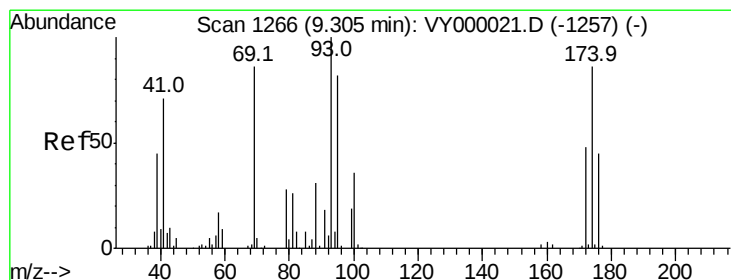
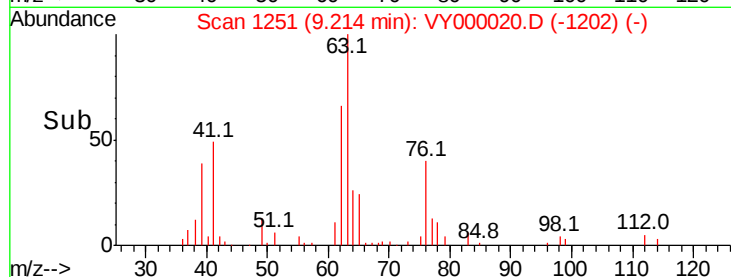
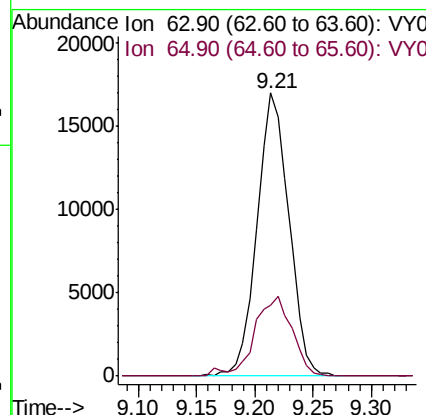
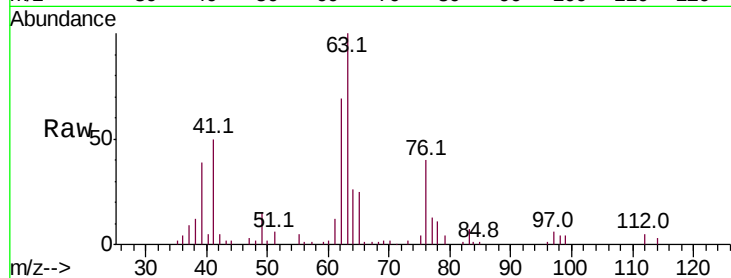




#45
 1,2-Dichloropropane
 Concen: 19.892 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

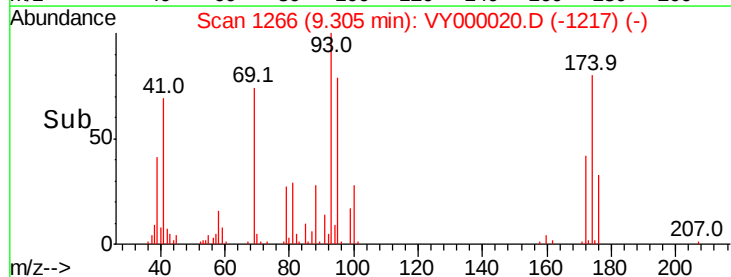
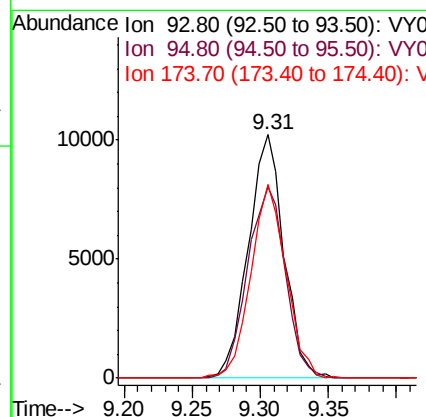
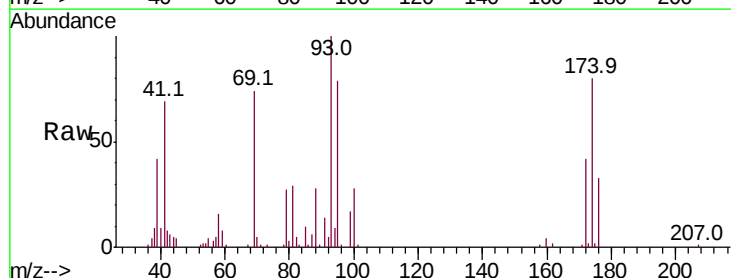
Instrument :
 MSVOA_Y
 ClientSampleId :

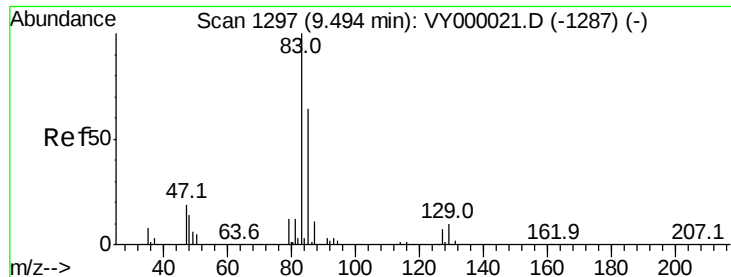
Tot Ion: 63 Resp: 32284
 Ion Ratio Lower Upper
 63 100
 65 25.2 24.1 36.1



#46
 Dibromomethane
 Concen: 20.844 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion: 93 Resp: 18775
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.0 100.6
 174 78.8 68.8 103.2





#47

Bromodichloromethane

Concen: 20.803 ug/l

RT: 9.49 min Scan# 1297

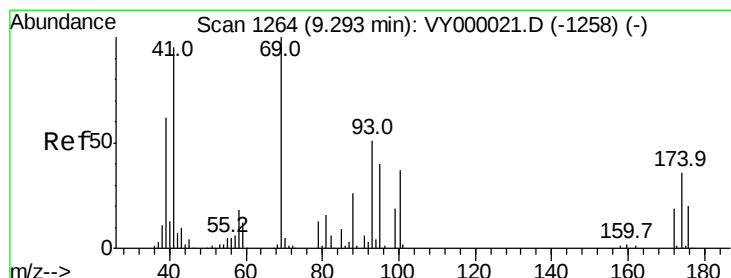
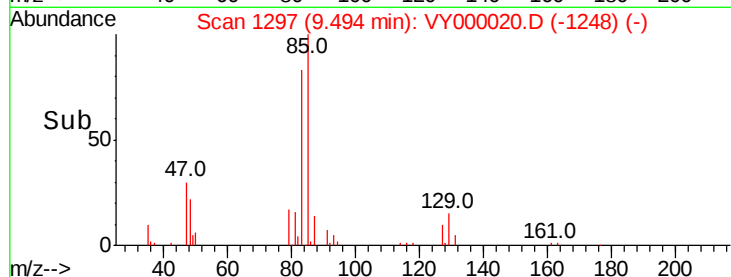
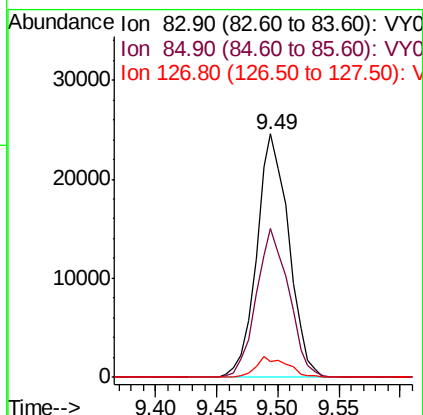
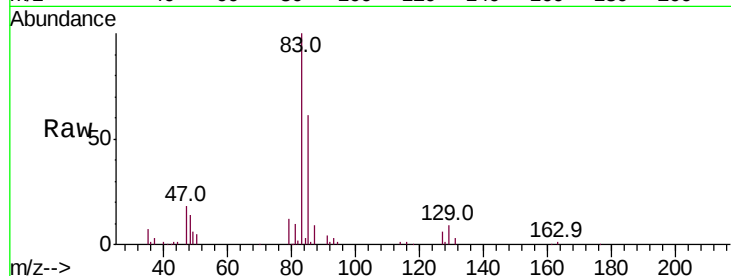
Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	83	Resp:	44731
Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.4	77.2
127	6.3	5.4	8.2



#48

Methyl methacrylate

Concen: 20.499 ug/l

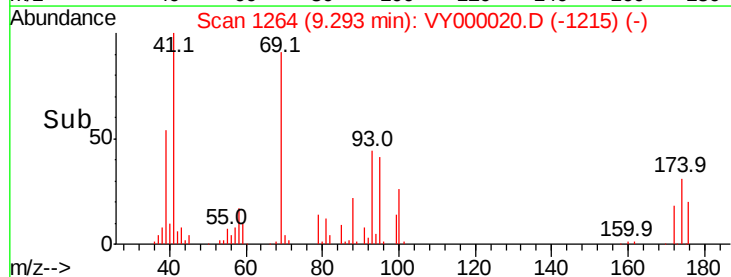
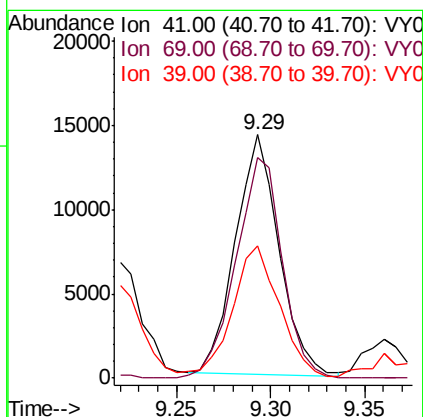
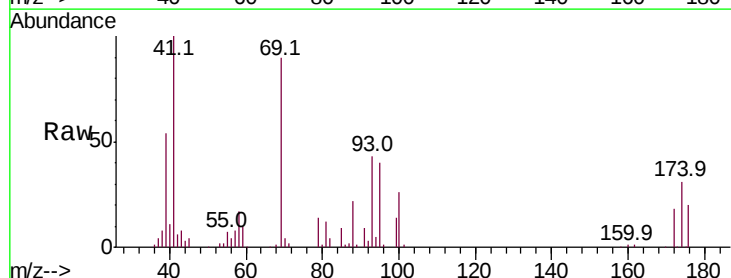
RT: 9.29 min Scan# 1264

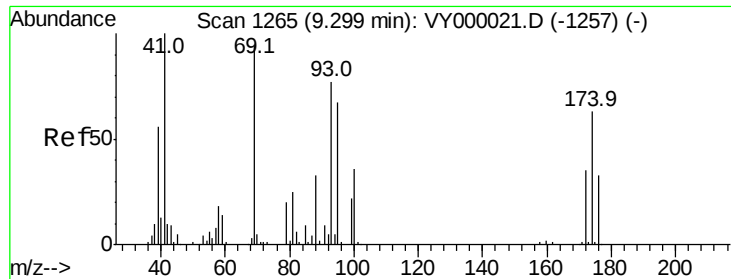
Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion:	41	Resp:	22852
Ion	Ratio	Lower	Upper
41	100		
69	97.6	79.7	119.5
39	60.5	48.6	72.8

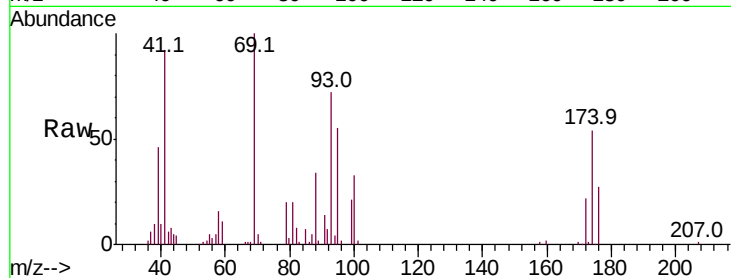




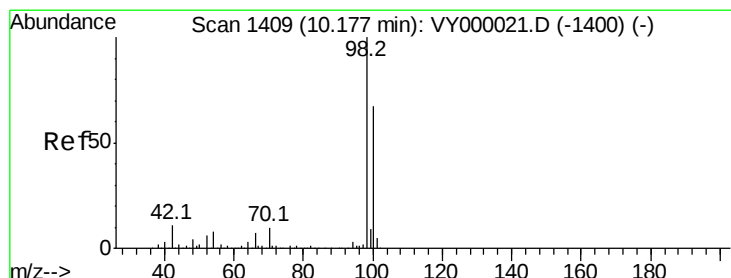
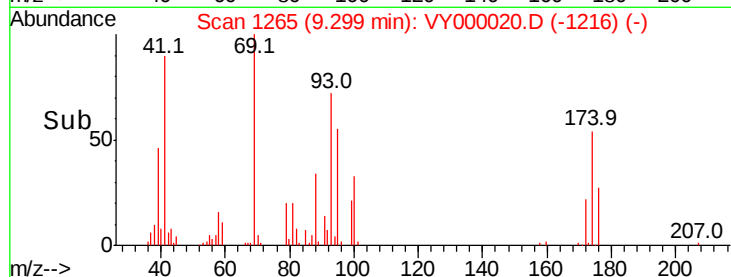
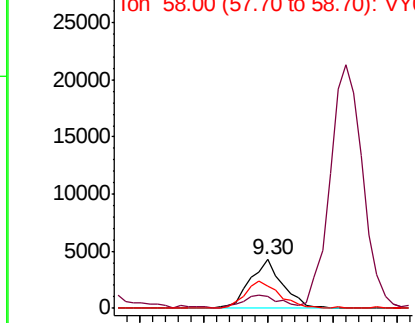
#49
1,4-Dioxane
Concen: 395.950 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 88 Resp: 7469
Ion Ratio Lower Upper
88 100
43 31.2 24.6 37.0
58 58.3 52.7 79.1

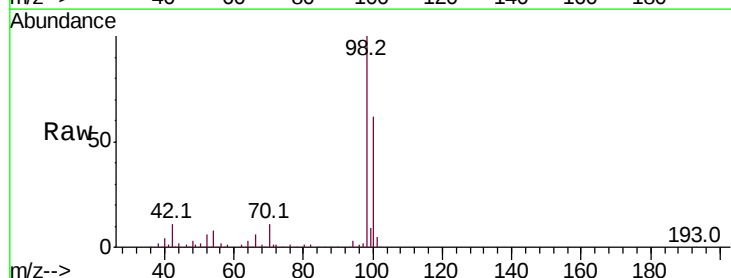


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

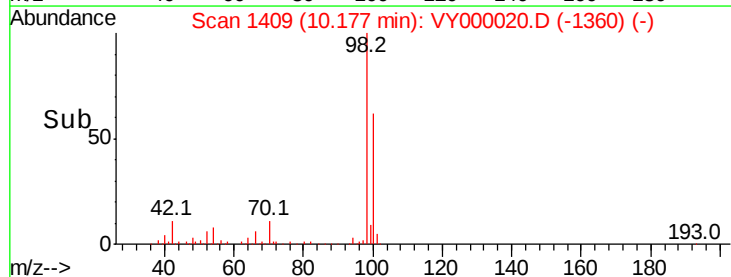
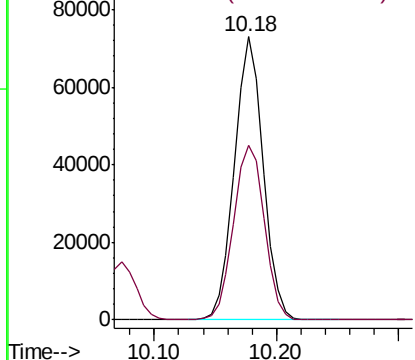


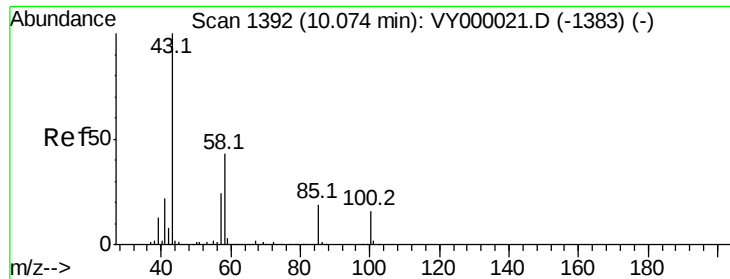
#50
Toluene-d8
Concen: 19.484 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion: 98 Resp: 118504
Ion Ratio Lower Upper
98 100
100 66.1 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 98.326 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

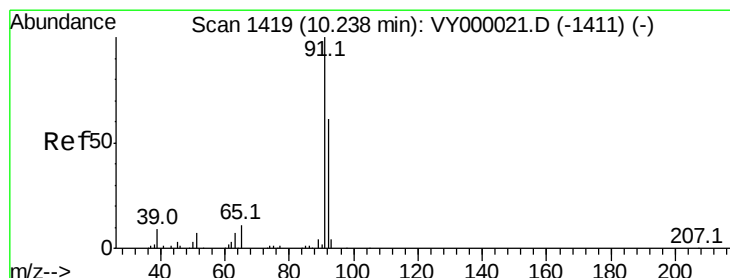
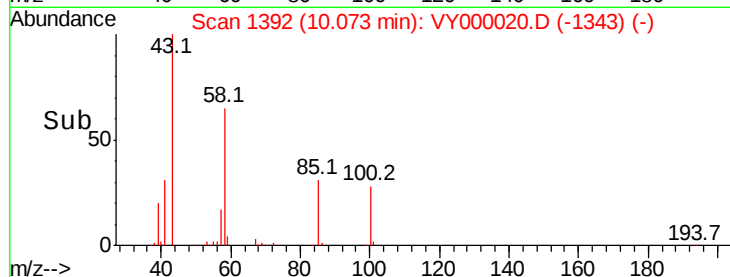
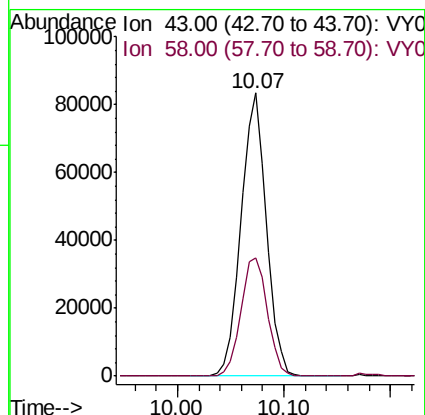
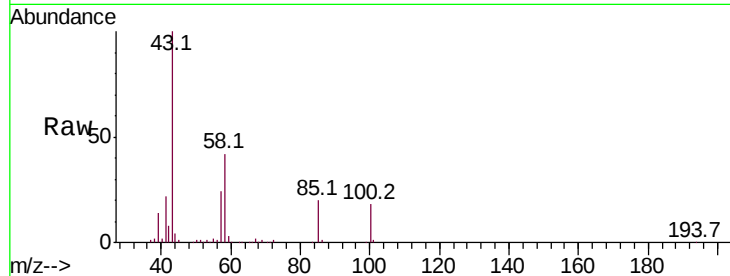
ClientSampleId :

Tot Ion: 43 Resp: 139190

Ion Ratio Lower Upper

43 100

58 43.7 34.1 51.1



#52

Toluene

Concen: 20.299 ug/l

RT: 10.24 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VY000020.D

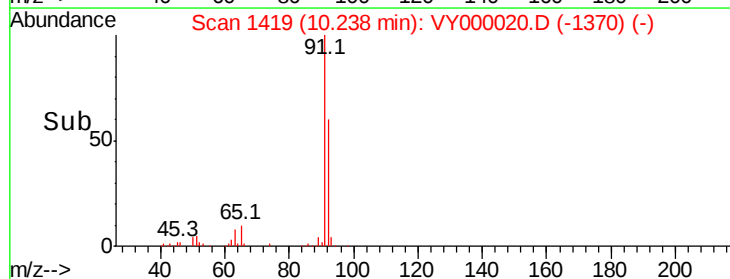
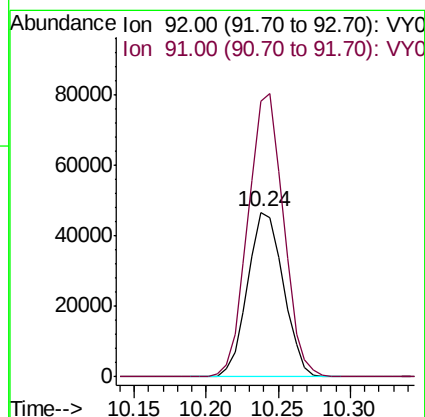
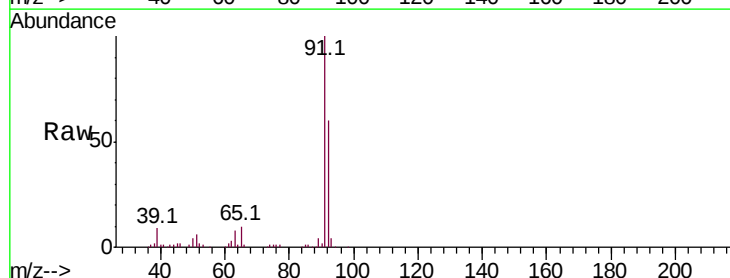
Acq: 12 Sep 2019 11:54

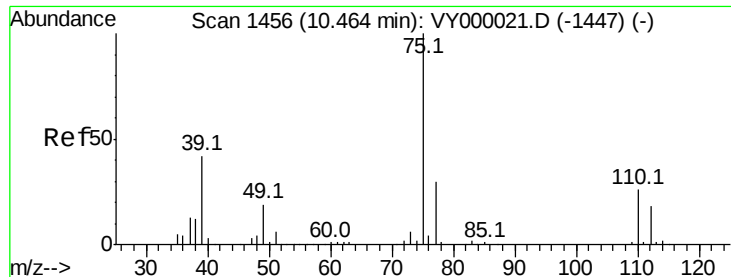
Tgt Ion: 92 Resp: 80285

Ion Ratio Lower Upper

92 100

91 170.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 20.679 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

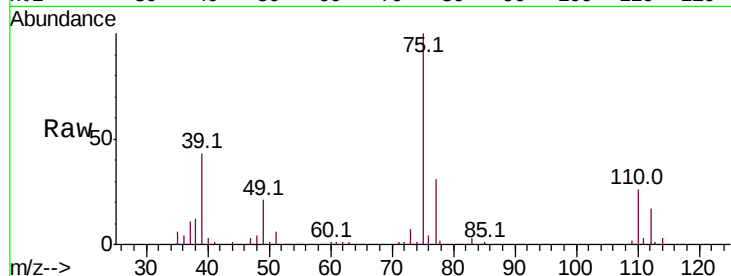
ClientSampleId :

Tot Ion: 75 Resp: 46750

Ion Ratio Lower Upper

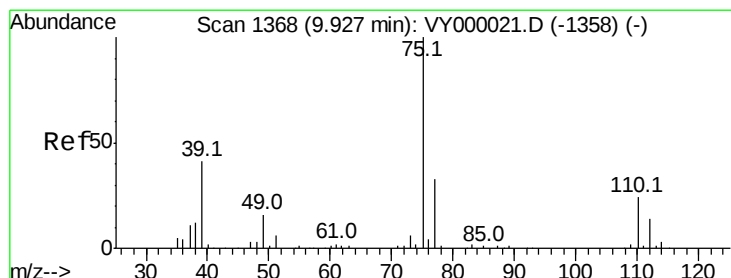
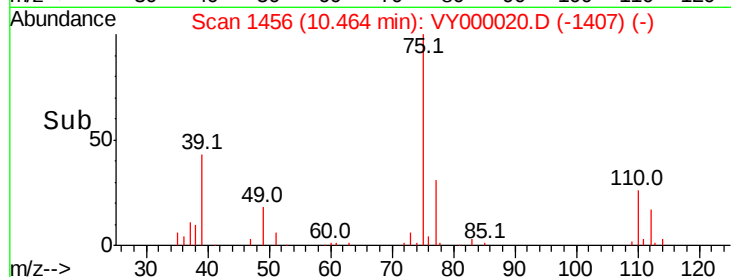
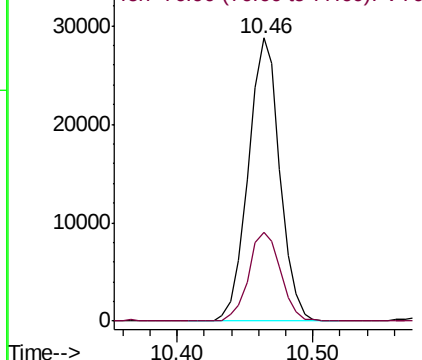
75 100

77 31.5 23.8 35.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 20.494 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

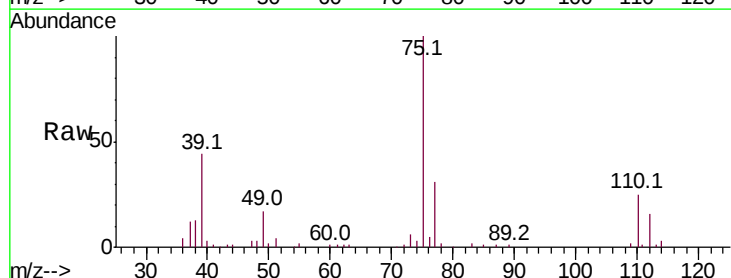
Tgt Ion: 75 Resp: 53911

Ion Ratio Lower Upper

75 100

77 30.6 26.3 39.5

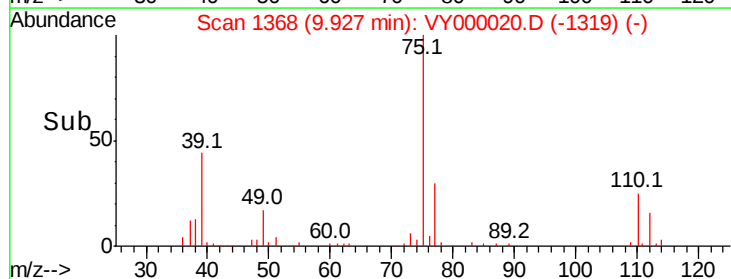
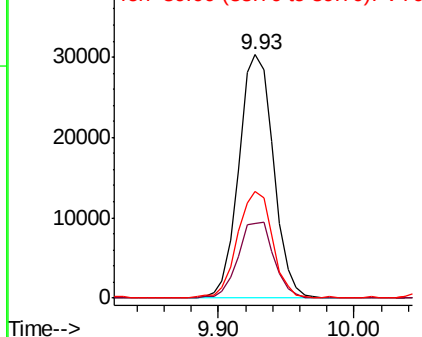
39 43.9 32.9 49.3

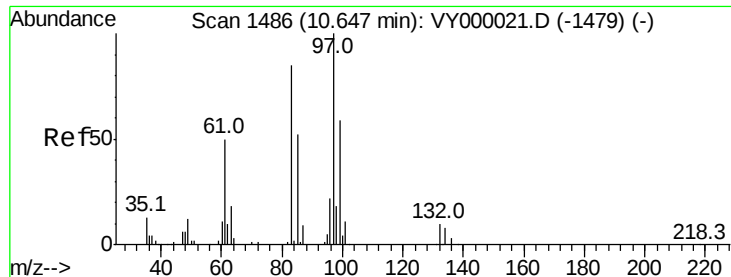


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

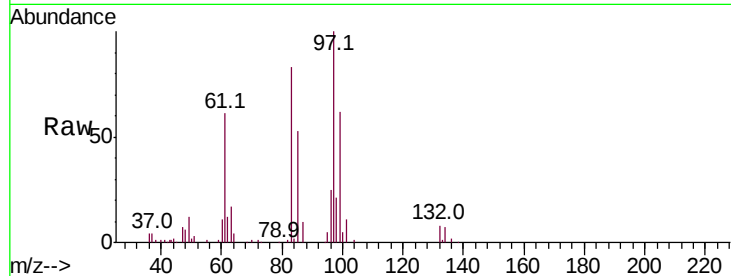




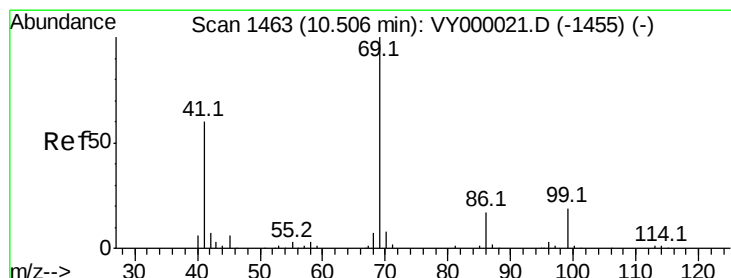
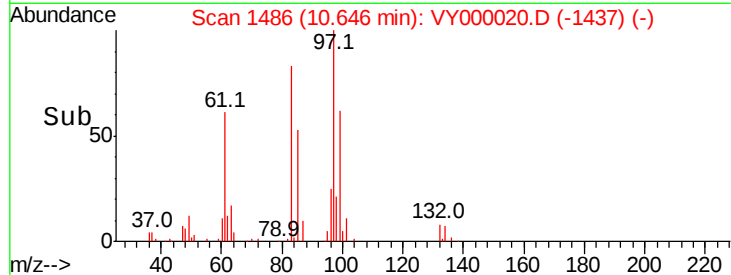
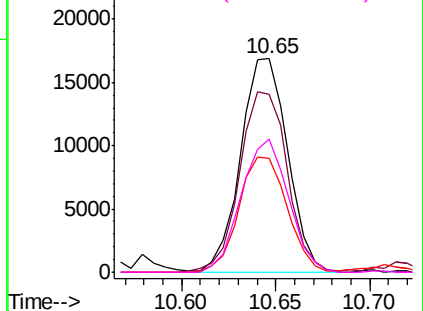
#55
 1,1,2-Trichloroethane
 Concen: 20.460 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 97 Resp: 29205
 Ion Ratio Lower Upper
 97 100
 83 82.7 68.2 102.2
 85 53.4 41.7 62.5
 99 62.4 47.3 70.9

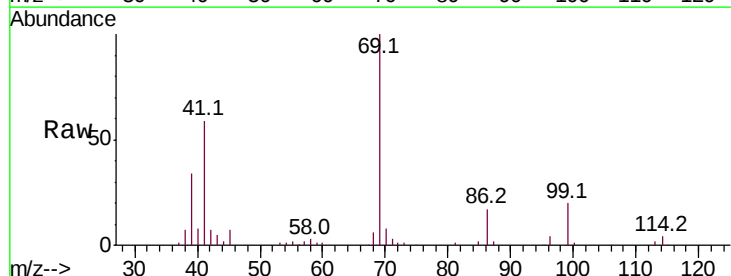


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

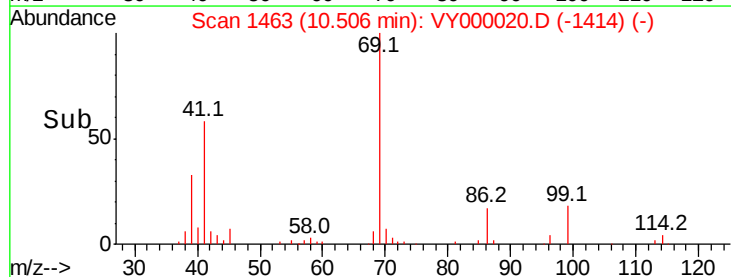
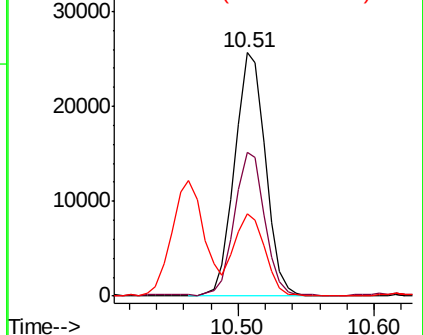


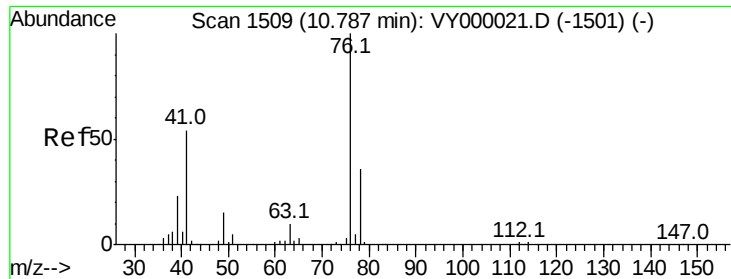
#56
 Ethyl methacrylate
 Concen: 20.234 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion: 69 Resp: 40534
 Ion Ratio Lower Upper
 69 100
 41 57.3 47.0 70.4
 39 33.4 26.4 39.6



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





#57

1,3-Dichloropropane

Concen: 20.572 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

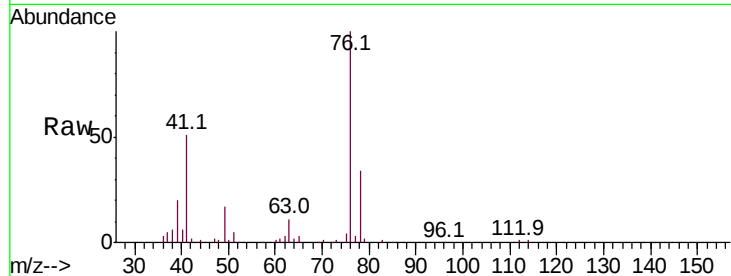
ClientSampleId :

Tot Ion: 76 Resp: 46961

Ion Ratio Lower Upper

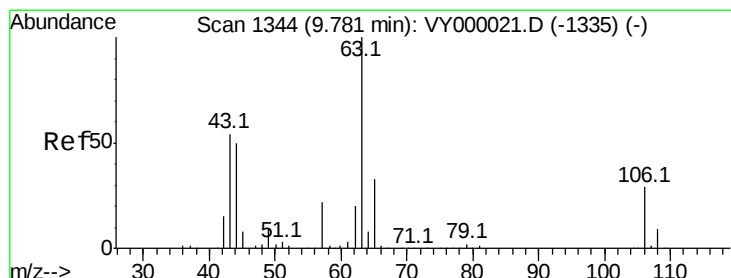
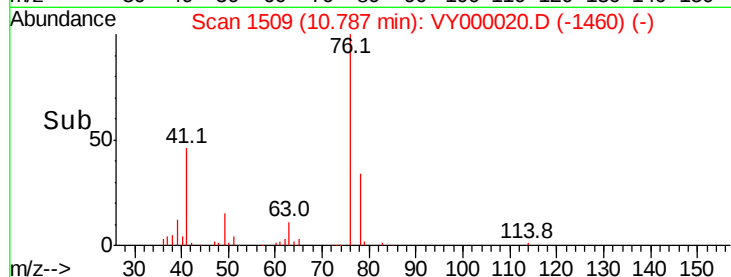
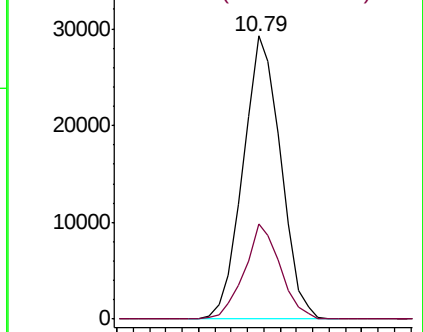
76 100

78 32.1 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 97.371 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000020.D

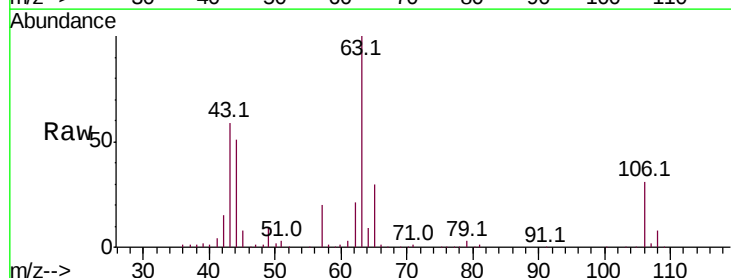
Acq: 12 Sep 2019 11:54

Tgt Ion: 63 Resp: 106847

Ion Ratio Lower Upper

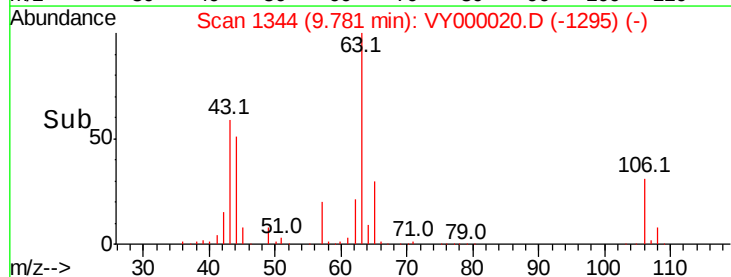
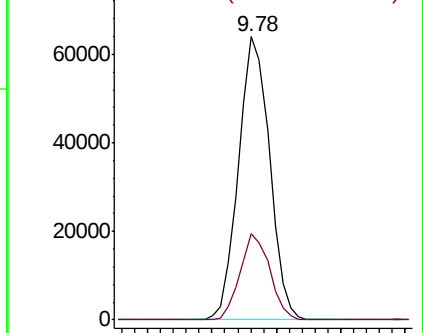
63 100

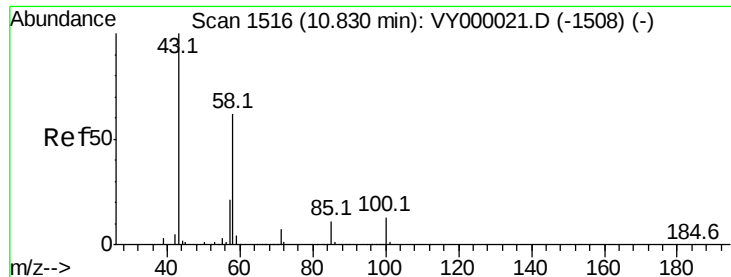
106 29.2 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

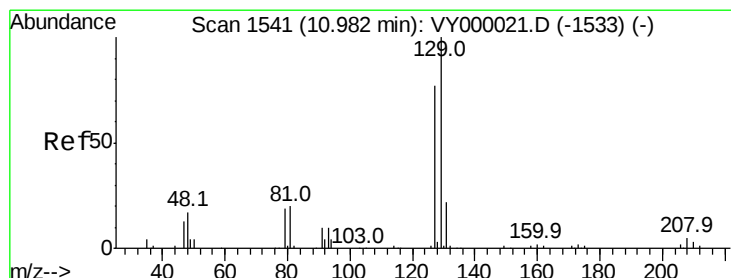
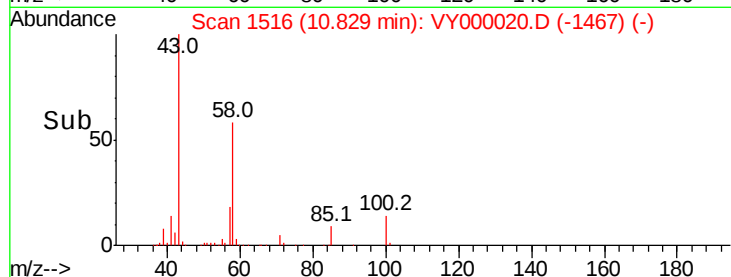
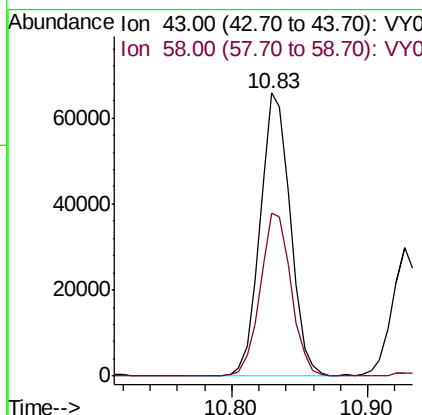
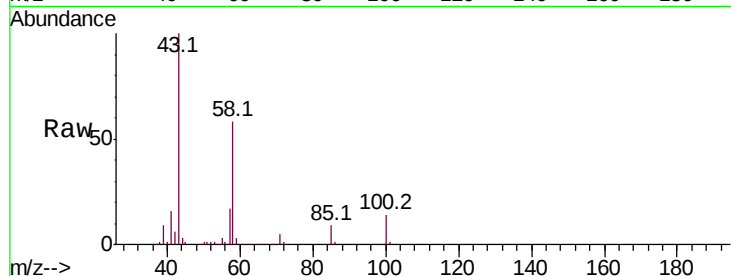




#59
2-Hexanone
Concen: 100.657 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

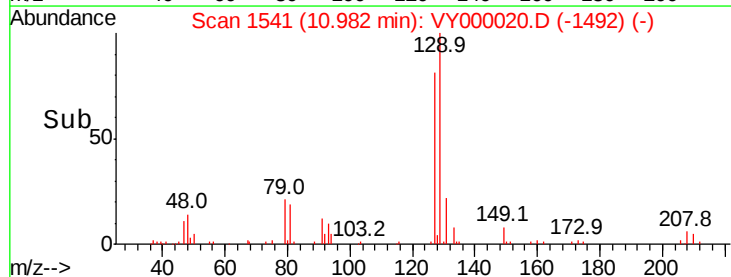
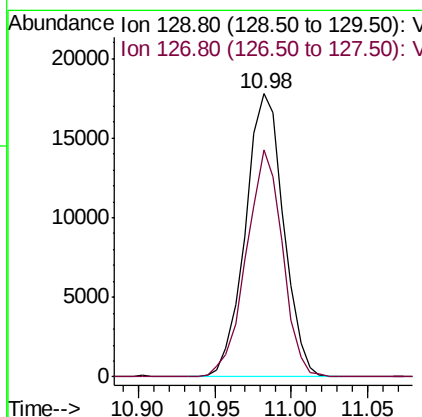
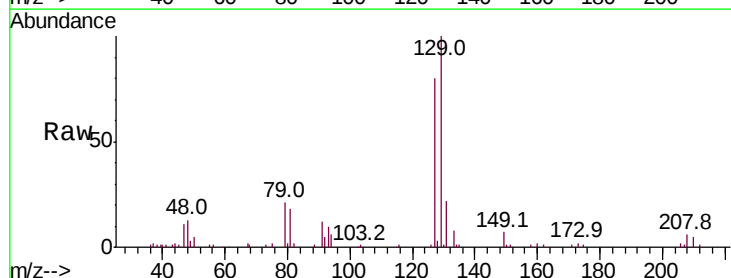
Instrument :
MSVOA_Y
ClientSampleId :

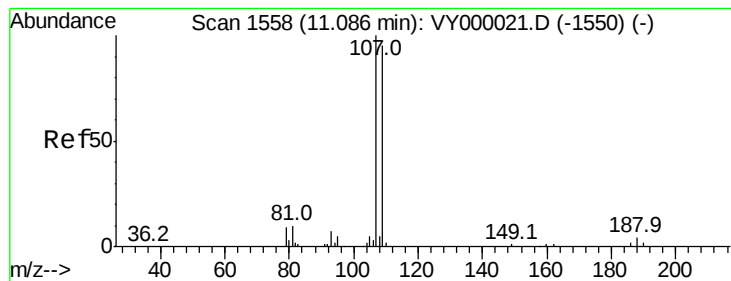
Tot Ion: 43 Resp: 102682
Ion Ratio Lower Upper
43 100
58 58.8 30.3 90.8



#60
Dibromochloromethane
Concen: 20.528 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion: 129 Resp: 30874
Ion Ratio Lower Upper
129 100
127 76.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 20.204 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

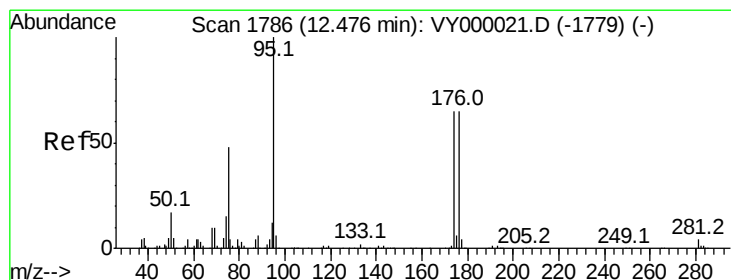
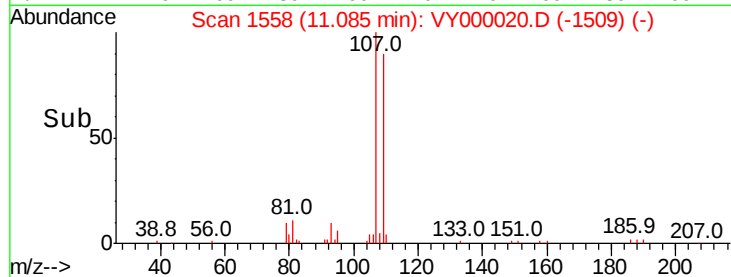
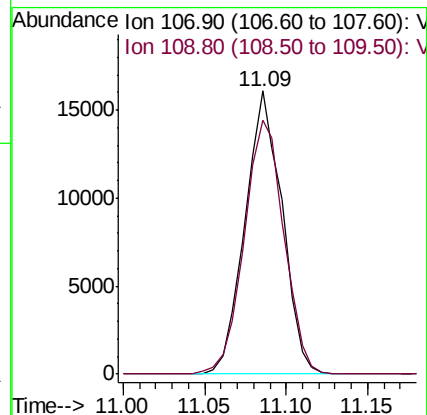
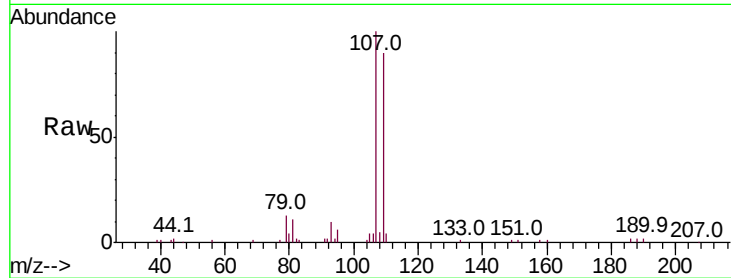
ClientSampleId :

Tot Ion:107 Resp: 25472

Ion Ratio Lower Upper

107 100

109 96.0 76.7 115.1



#62

4-Bromofluorobenzene

Concen: 21.381 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

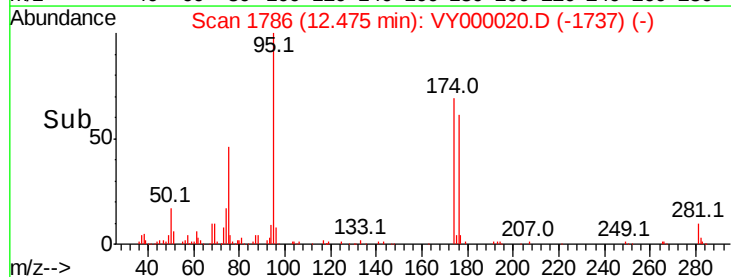
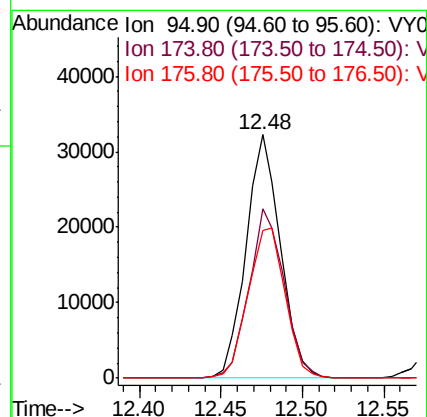
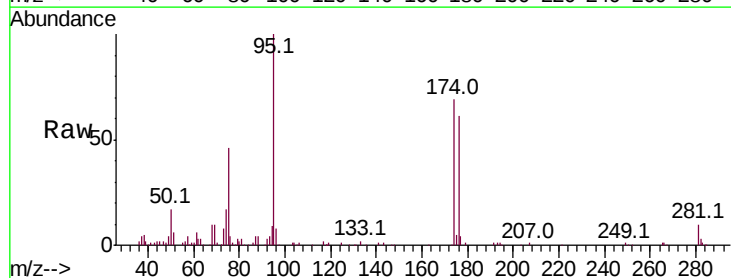
Tgt Ion: 95 Resp: 47266

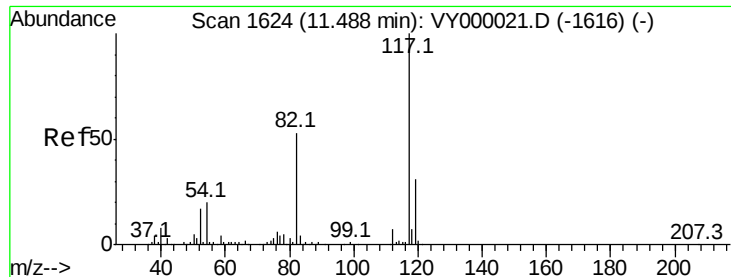
Ion Ratio Lower Upper

95 100

174 71.0 0.0 137.6

176 66.8 0.0 134.8

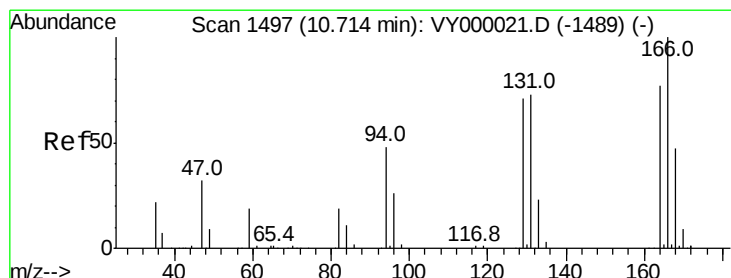
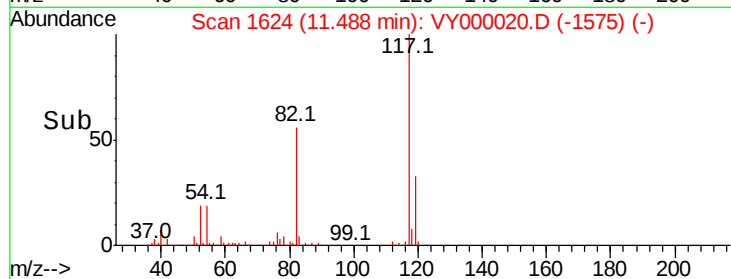
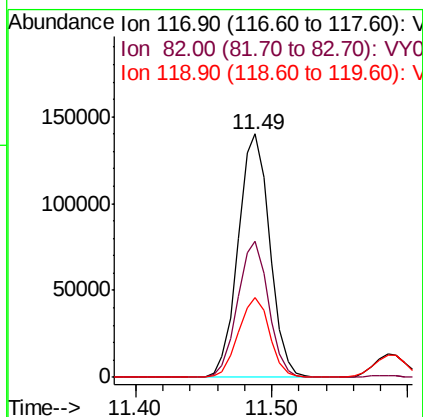
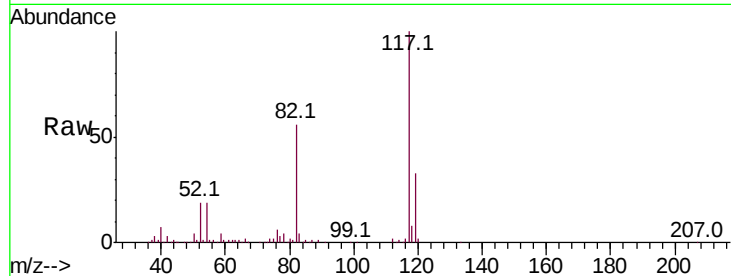




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

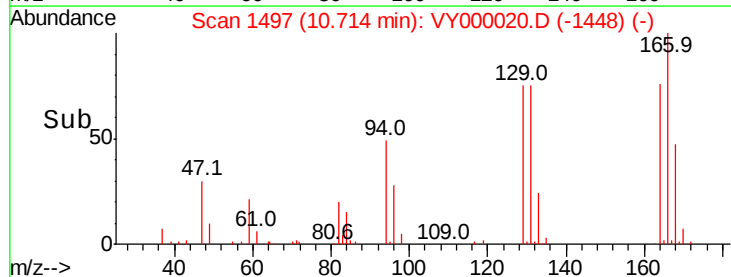
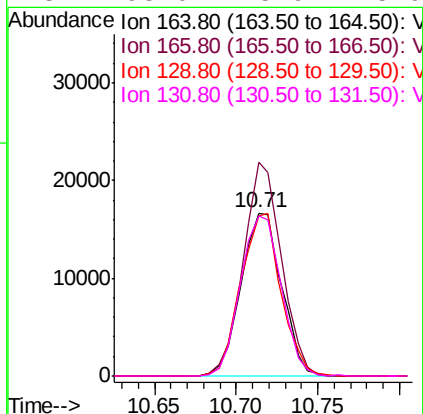
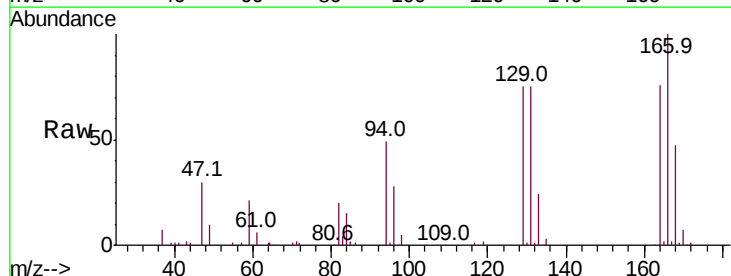
Instrument :
MSVOA_Y
ClientSampleId :

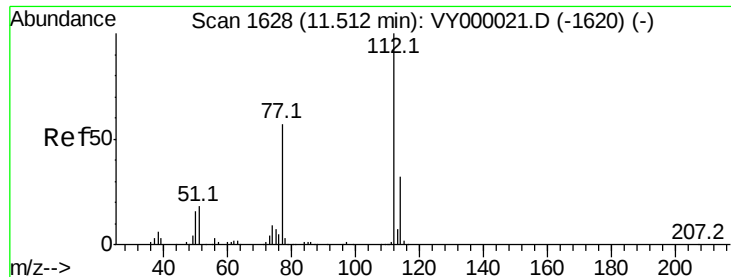
Tot Ion:117 Resp: 226720
Ion Ratio Lower Upper
117 100
82 55.8 42.5 63.7
119 32.9 25.1 37.7



#64
Tetrachloroethene
Concen: 20.738 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion:164 Resp: 28833
Ion Ratio Lower Upper
164 100
166 131.2 103.4 155.0
129 98.4 73.4 110.0
131 98.0 75.9 113.9





#65

Chlorobenzene

Concen: 20.274 ug/l

RT: 11.51 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

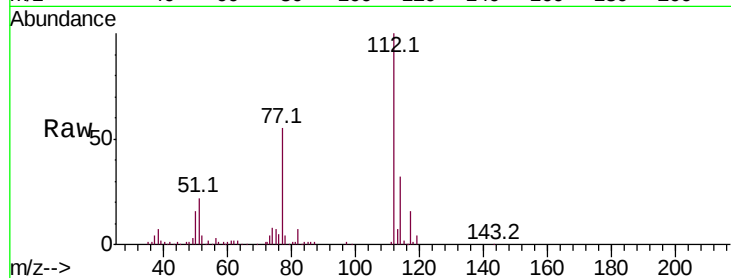
ClientSampleId :

Tot Ion:112 Resp: 87588

Ion Ratio Lower Upper

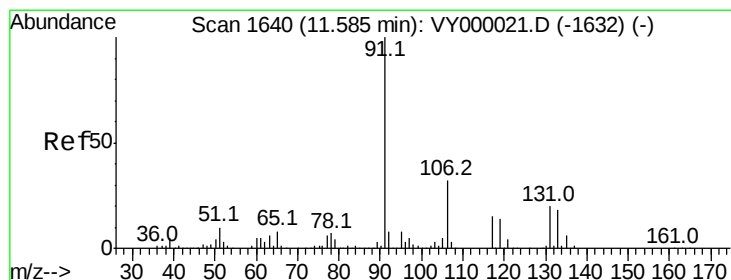
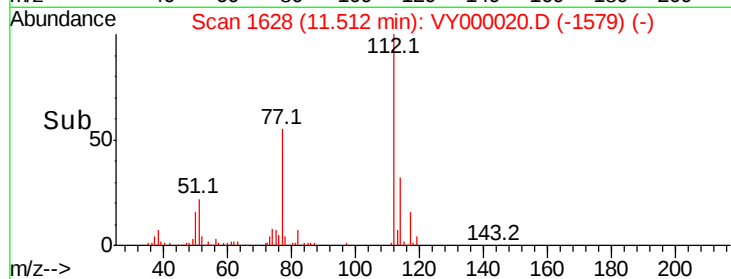
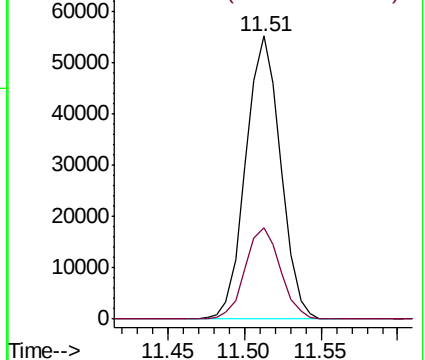
112 100

114 32.1 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.856 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

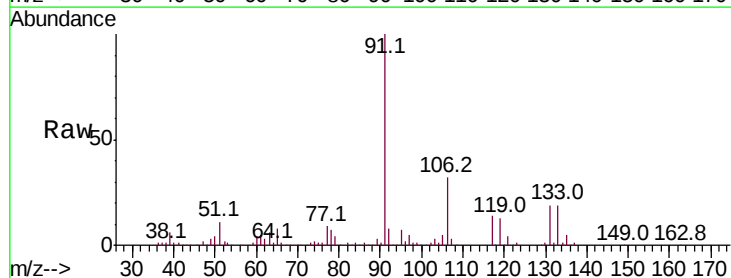
Tgt Ion:131 Resp: 31220

Ion Ratio Lower Upper

131 100

133 92.0 47.2 141.6

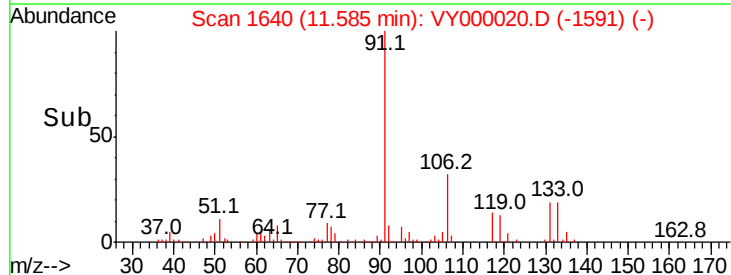
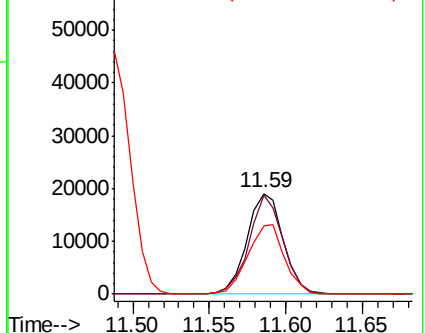
119 69.6 35.4 106.3

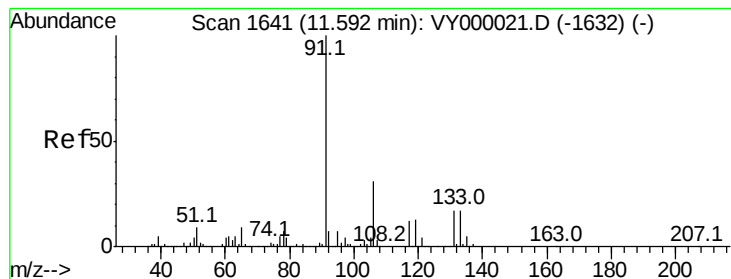


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.630 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

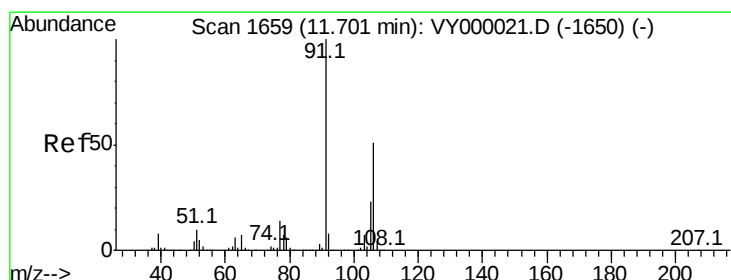
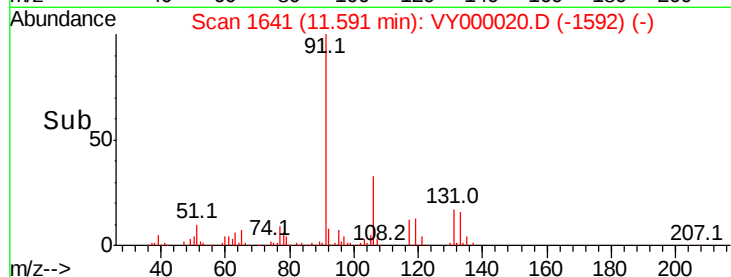
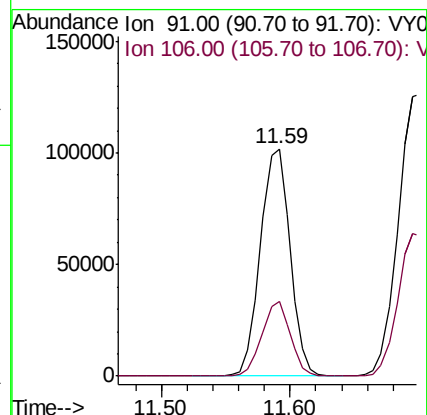
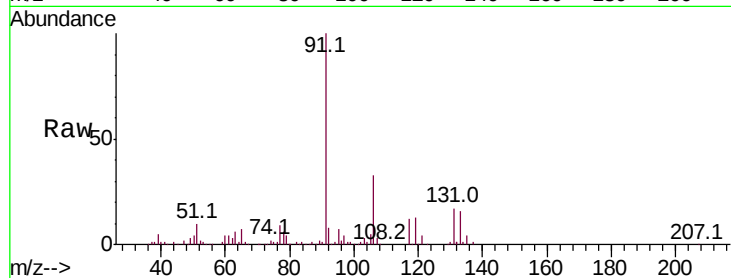
ClientSampleId :

Tot Ion: 91 Resp: 161908

Ion Ratio Lower Upper

91 100

106 33.0 24.6 37.0



#68

m/p-Xylenes

Concen: 40.938 ug/l

RT: 11.70 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VY000020.D

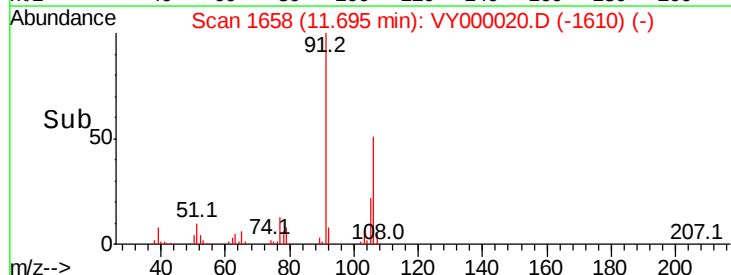
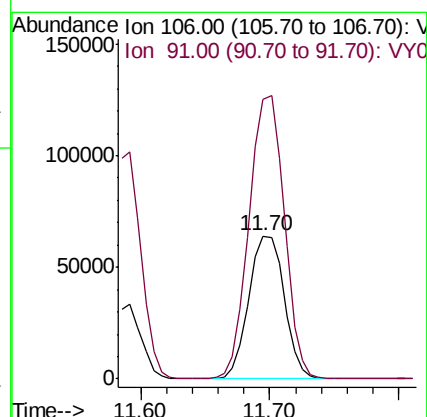
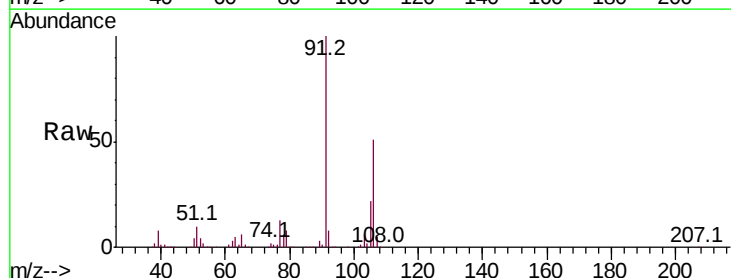
Acq: 12 Sep 2019 11:54

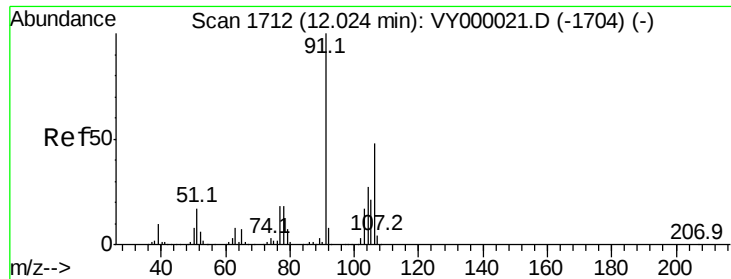
Tgt Ion: 106 Resp: 121242

Ion Ratio Lower Upper

106 100

91 197.7 158.5 237.7

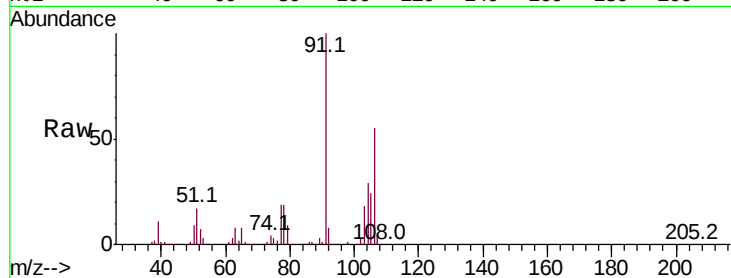




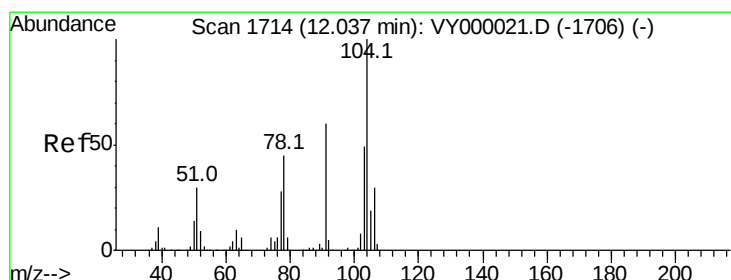
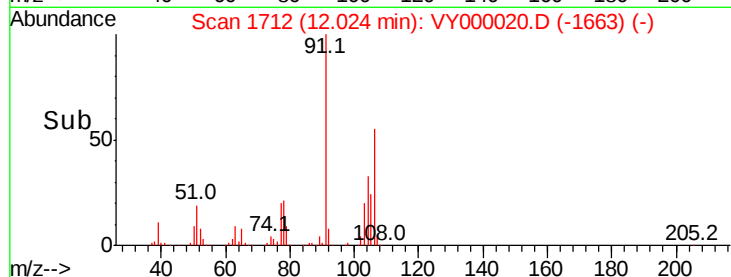
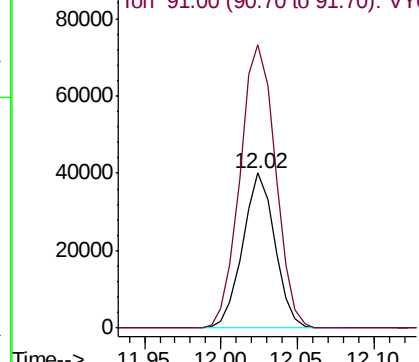
#69
o-Xylene
Concen: 20.206 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 58651
Ion Ratio Lower Upper
106 100
91 201.3 104.0 312.0

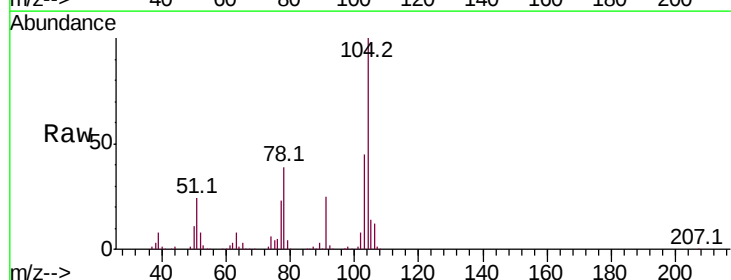


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

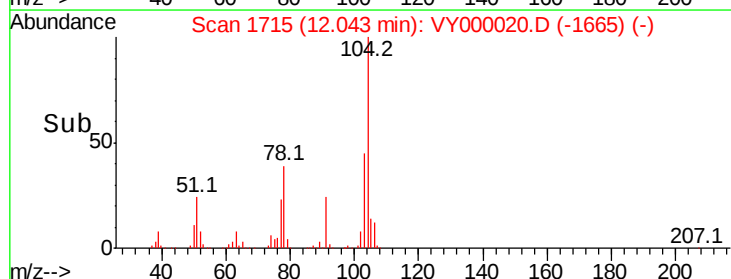
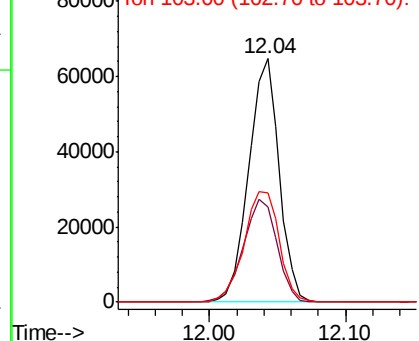


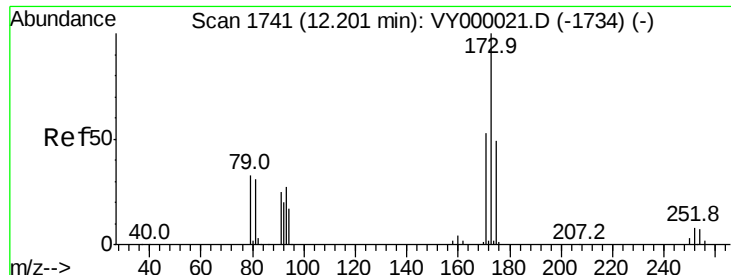
#70
Styrene
Concen: 20.088 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion:104 Resp: 101433
Ion Ratio Lower Upper
104 100
78 46.8 38.0 57.0
103 52.7 42.4 63.6



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: 20.143 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

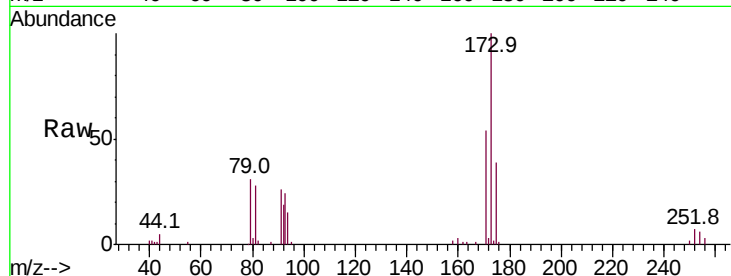
Tot Ion:173 Resp: 18206

Ion Ratio Lower Upper

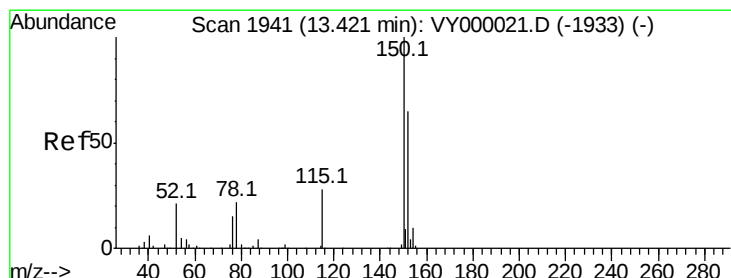
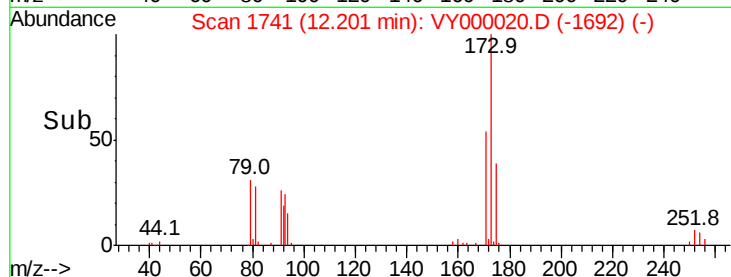
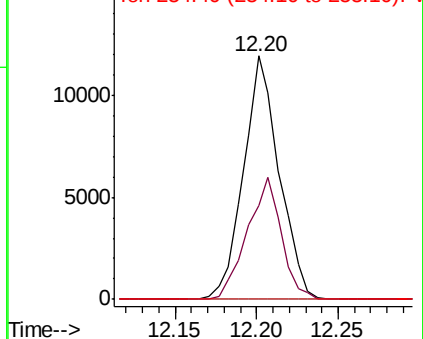
173 100

175 47.7 25.1 75.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

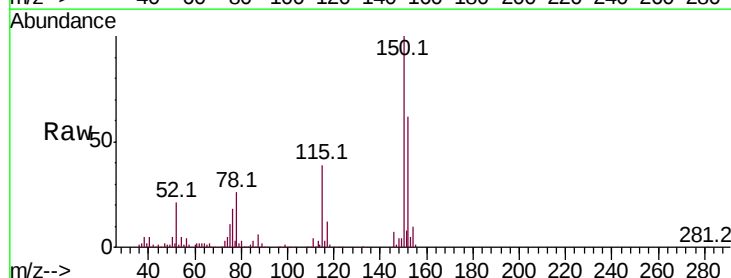
Tgt Ion:152 Resp: 97491

Ion Ratio Lower Upper

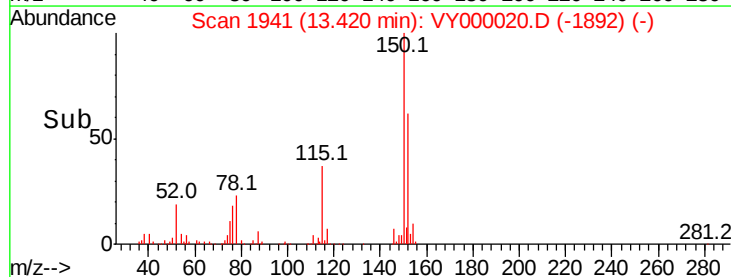
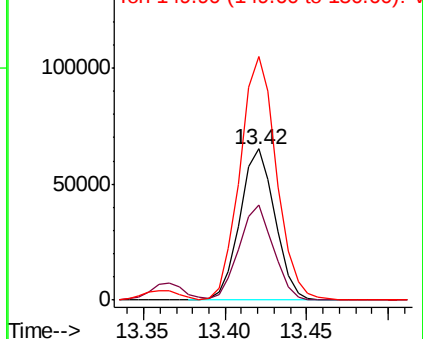
152 100

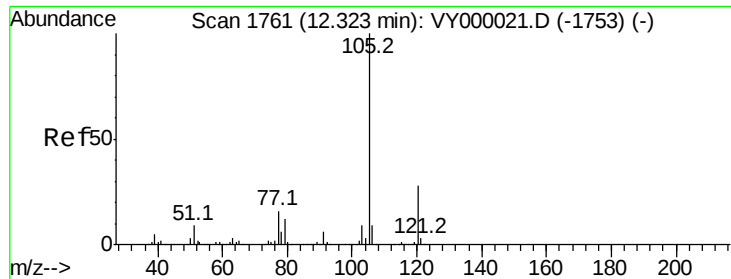
115 61.9 29.4 88.2

150 167.8 0.0 349.0



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: 21.044 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

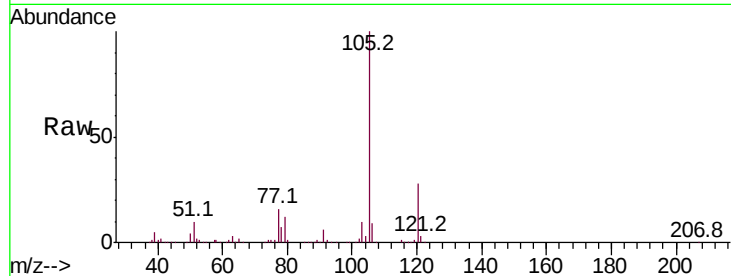
ClientSampled :

Tot Ion:105 Resp: 156757

Ion Ratio Lower Upper

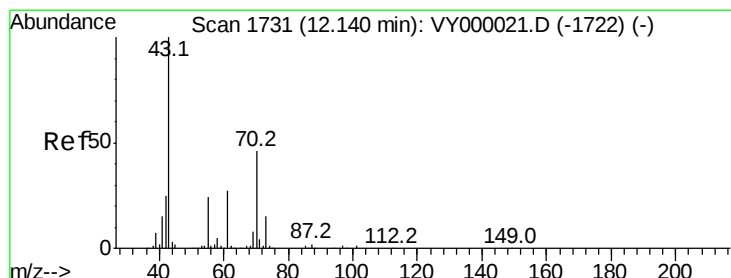
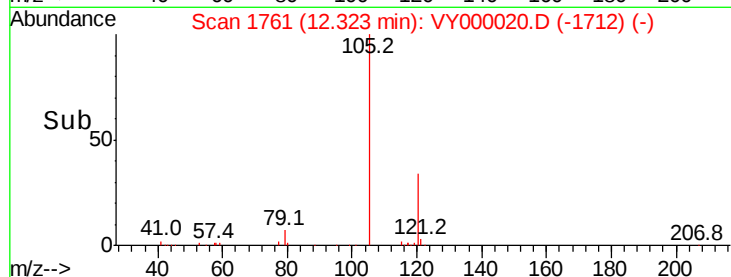
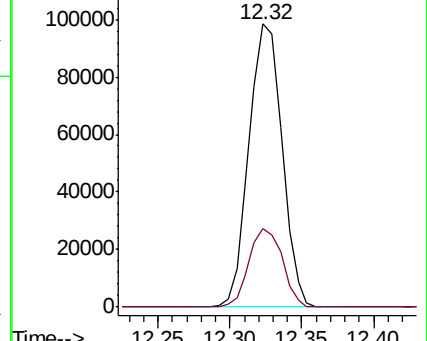
105 100

120 27.9 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.322 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion: 43 Resp: 44685

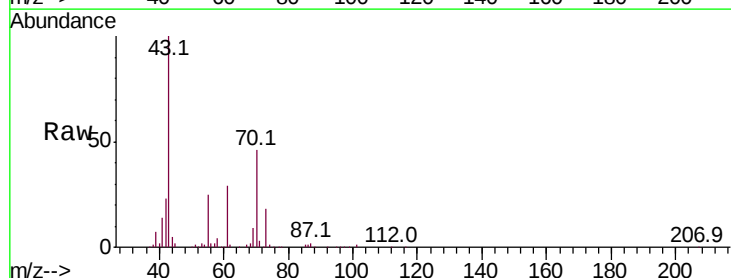
Ion Ratio Lower Upper

43 100

70 45.6 38.1 57.1

55 24.4 18.7 28.1

61 26.4 22.1 33.1

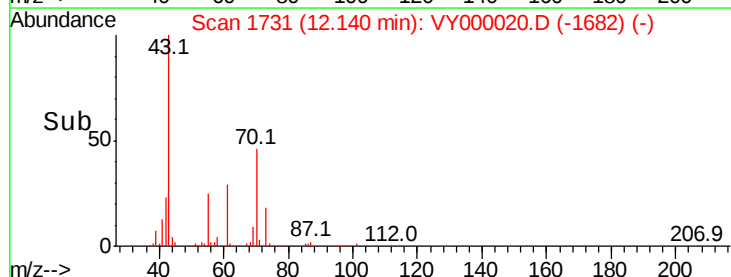
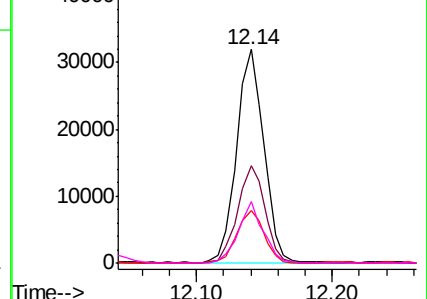


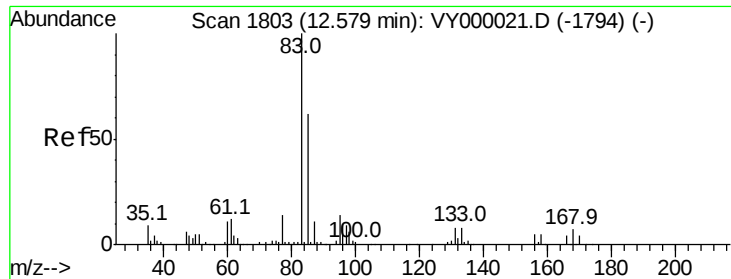
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 20.591 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

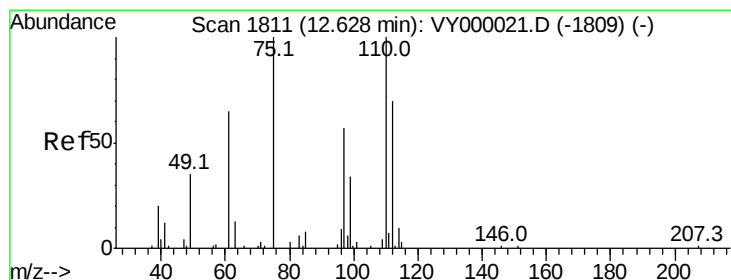
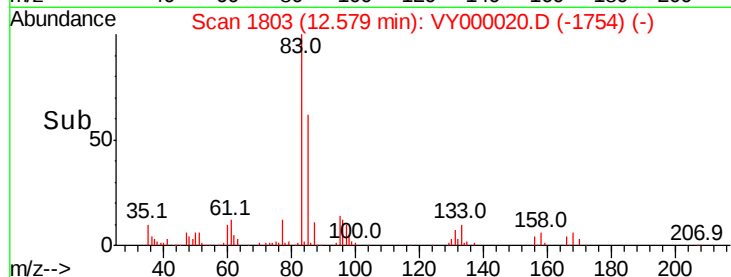
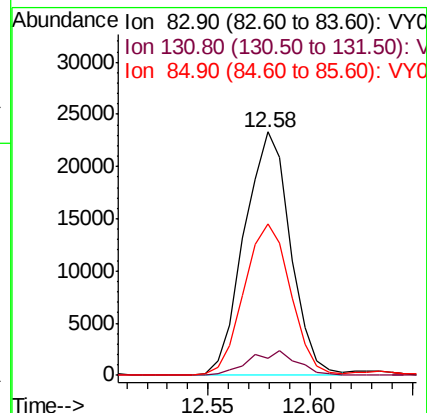
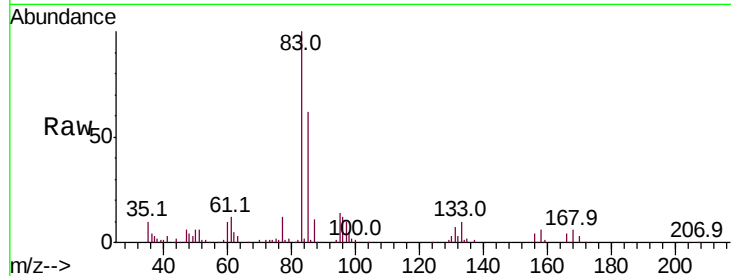
Tot Ion: 83 Resp: 36673

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.6	13.8
85	63.0	31.8	95.3

83 100

131 10.2 4.6 13.8

85 63.0 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 22.329 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VY000020.D

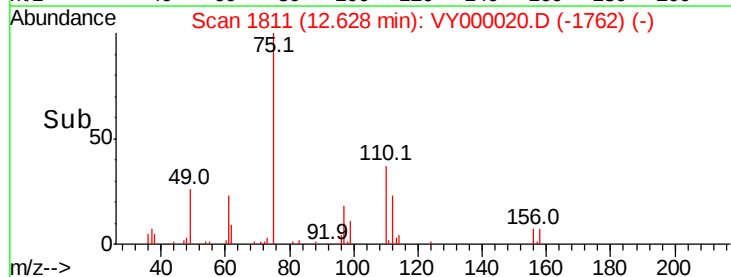
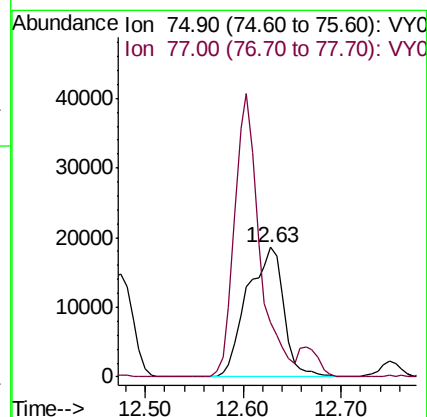
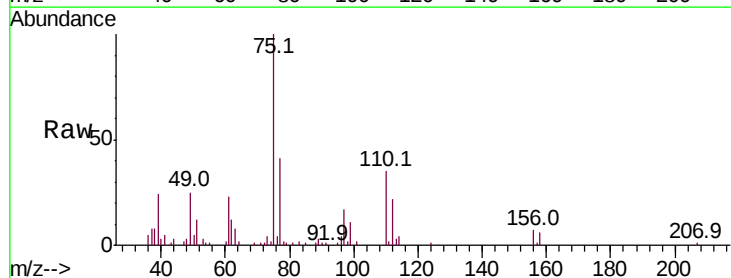
Acq: 12 Sep 2019 11:54

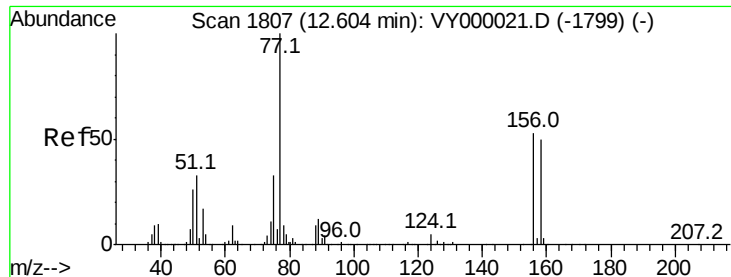
Tgt Ion: 75 Resp: 48283

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.469 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

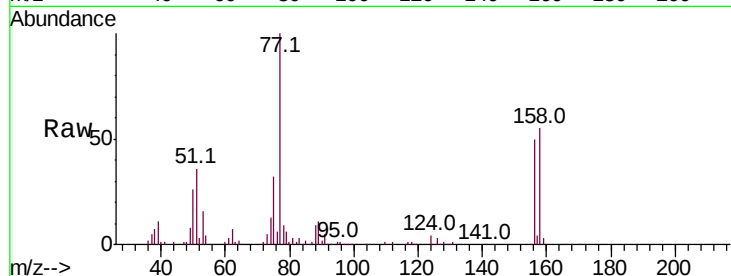
Tot Ion:156 Resp: 32254

Ion Ratio Lower Upper

156 100

77 224.2 106.0 317.9

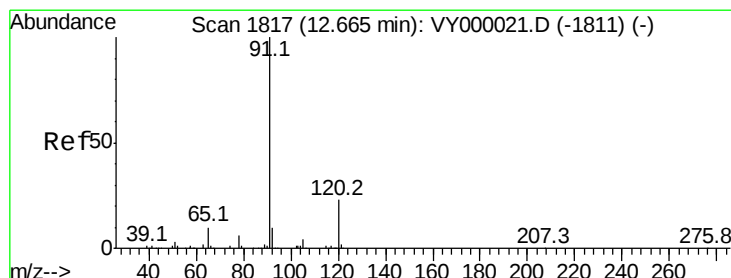
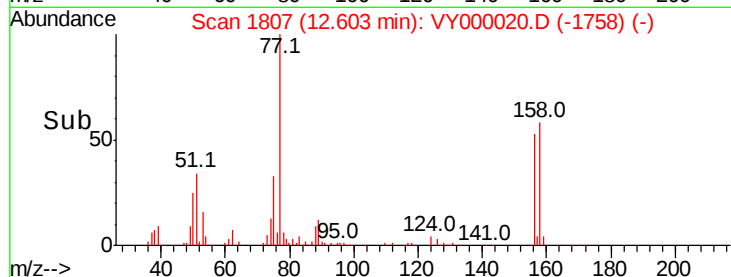
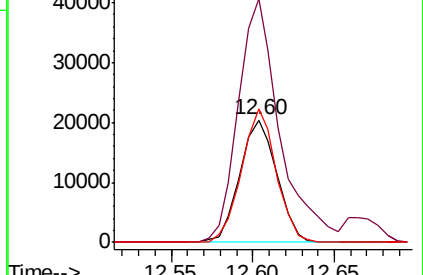
158 102.4 47.3 141.9



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: 20.901 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000020.D

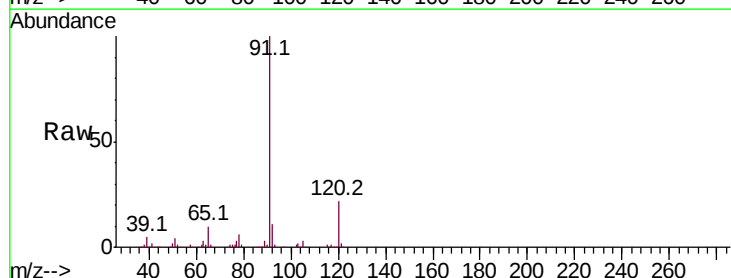
Acq: 12 Sep 2019 11:54

Tgt Ion: 91 Resp: 190269

Ion Ratio Lower Upper

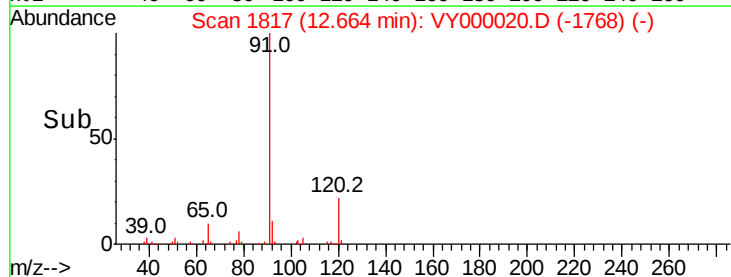
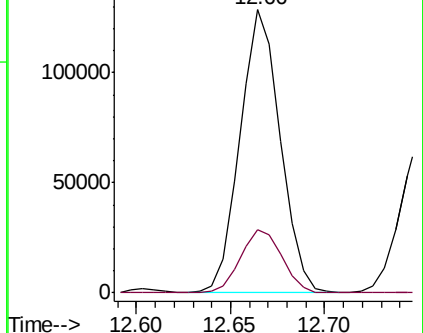
91 100

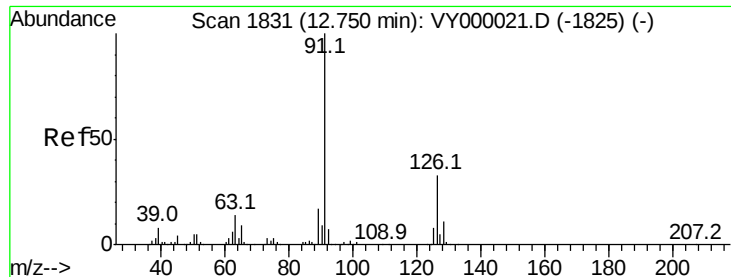
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.963 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

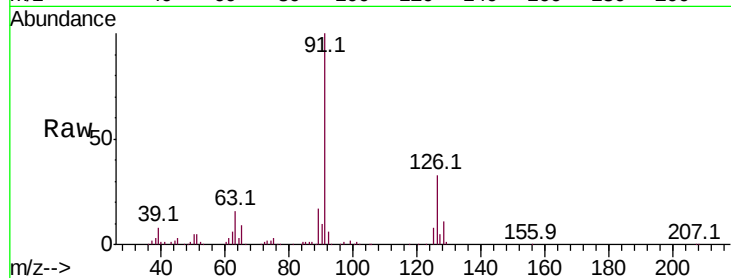
ClientSampled :

Tot Ion: 91 Resp: 106709

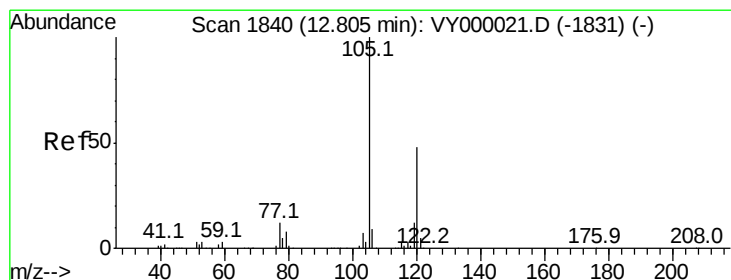
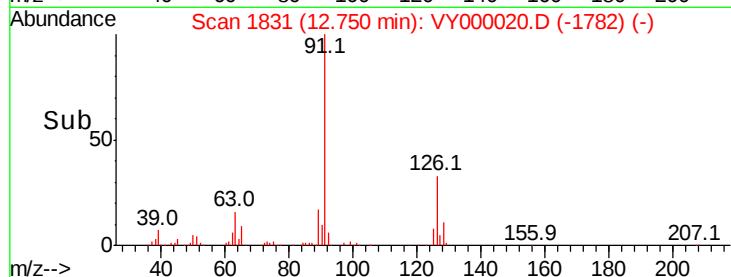
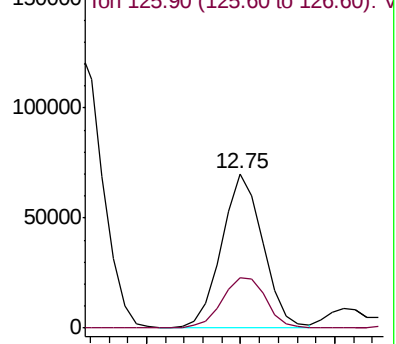
Ion Ratio Lower Upper

91 100

126 34.7 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VY000021.D (-1825) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.790 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000020.D

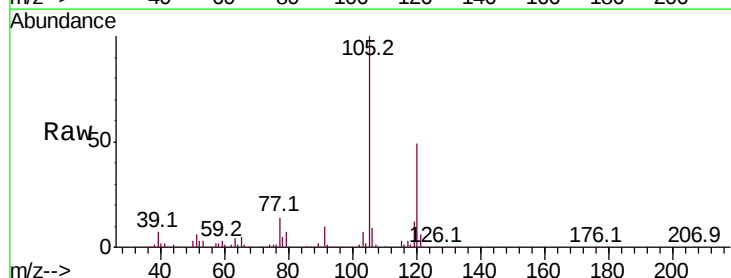
Acq: 12 Sep 2019 11:54

Tgt Ion:105 Resp: 129309

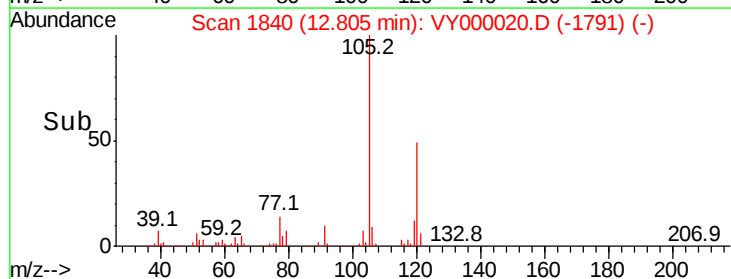
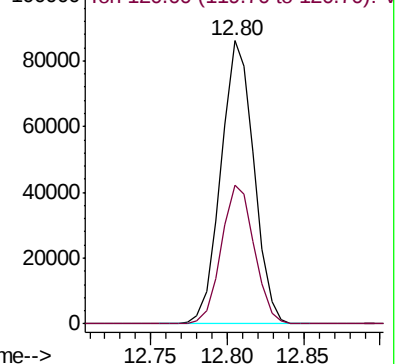
Ion Ratio Lower Upper

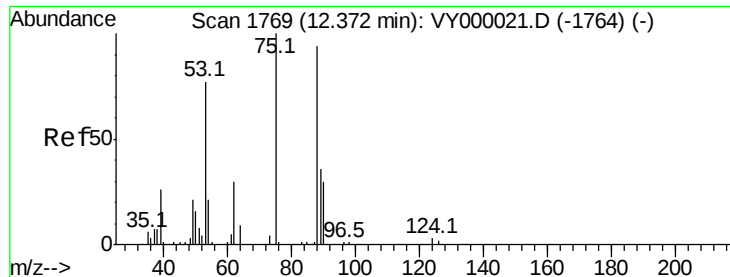
105 100

120 48.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VY000021.D (-1831) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.035 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

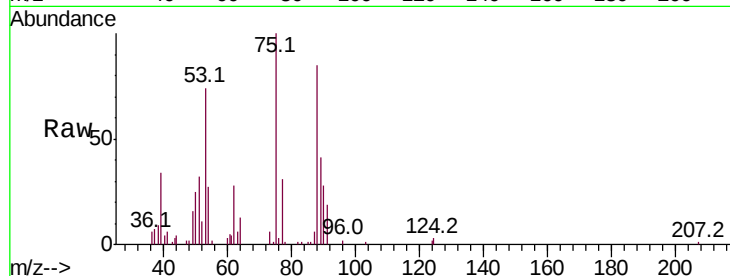
Tot Ion: 75 Resp: 13677

Ion Ratio Lower Upper

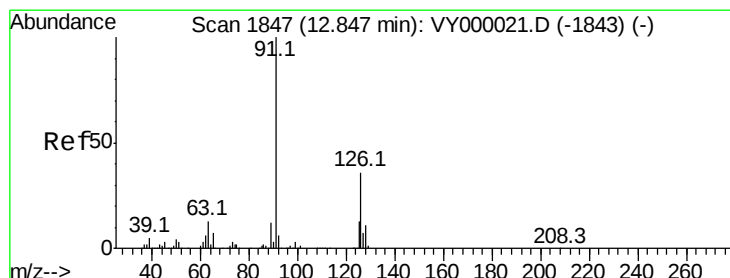
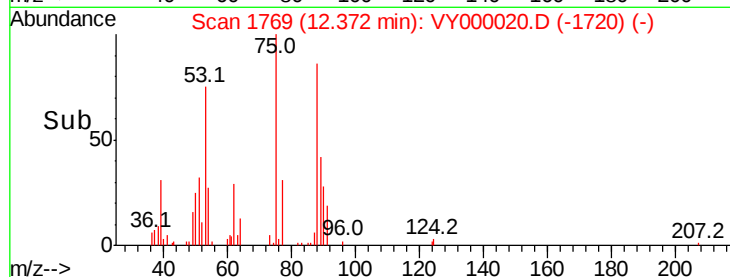
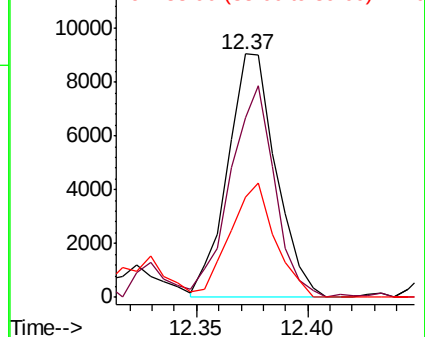
75 100

53 78.8 64.2 96.2

89 43.9 35.5 53.3



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: 20.618 ug/l

RT: 12.85 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VY000020.D

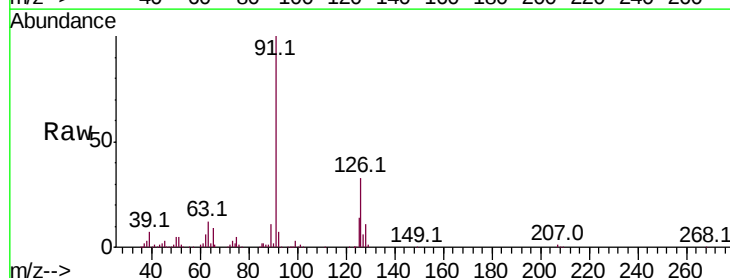
Acq: 12 Sep 2019 11:54

Tgt Ion: 91 Resp: 110154

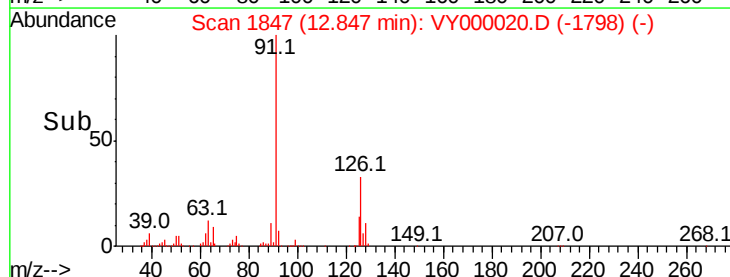
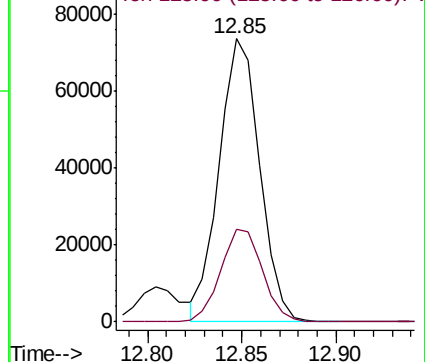
Ion Ratio Lower Upper

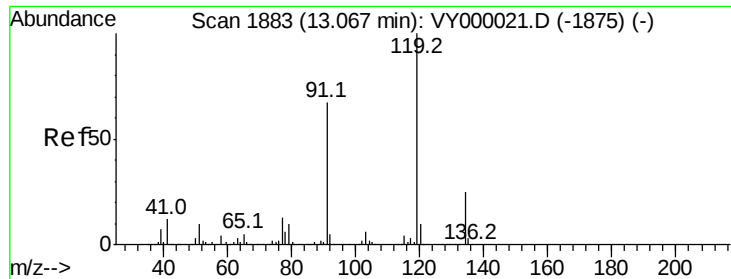
91 100

126 33.6 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.944 ug/l

RT: 13.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

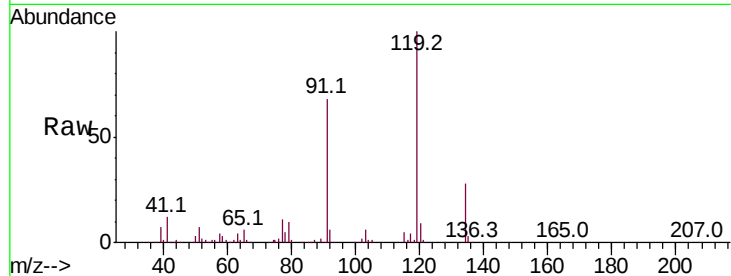
Tot Ion:119 Resp: 111926

Ion Ratio Lower Upper

119 100

91 66.8 33.1 99.5

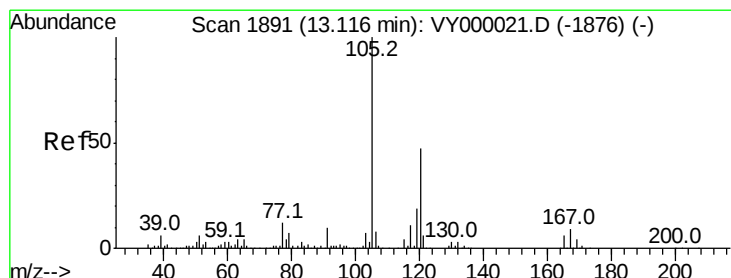
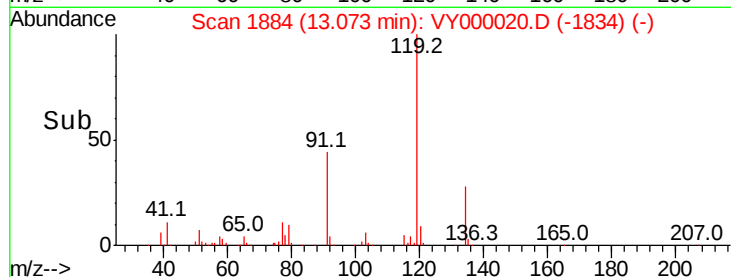
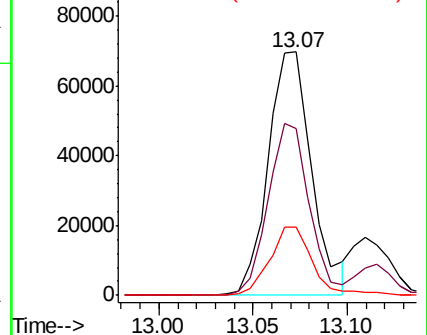
134 27.6 13.5 40.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.381 ug/l

RT: 13.12 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY000020.D

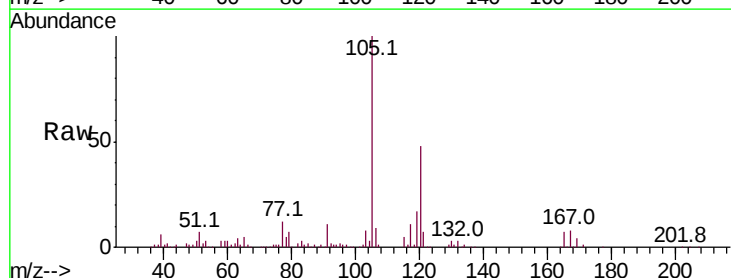
Acq: 12 Sep 2019 11:54

Tgt Ion:105 Resp: 125220

Ion Ratio Lower Upper

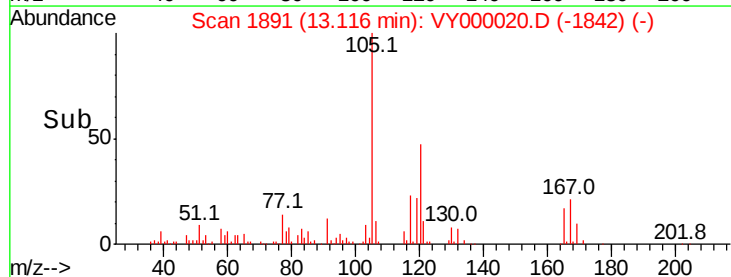
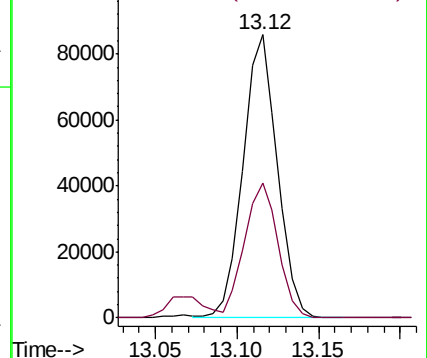
105 100

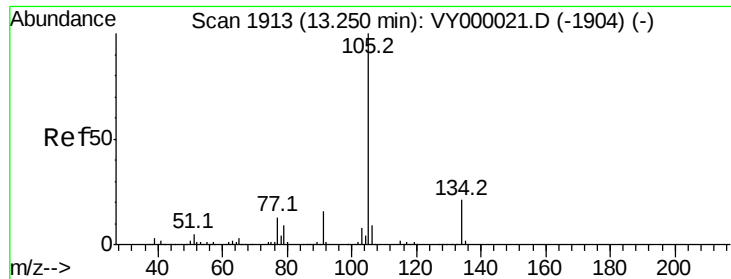
120 46.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

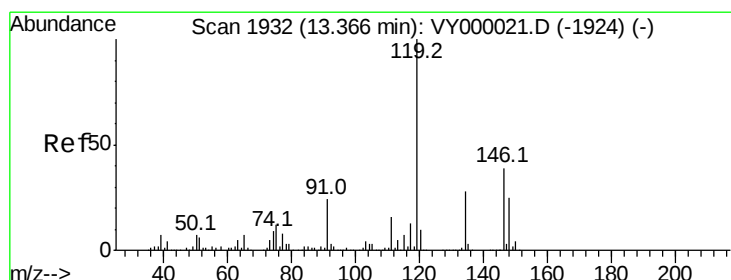
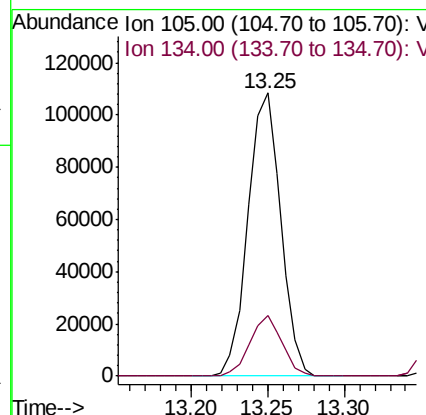
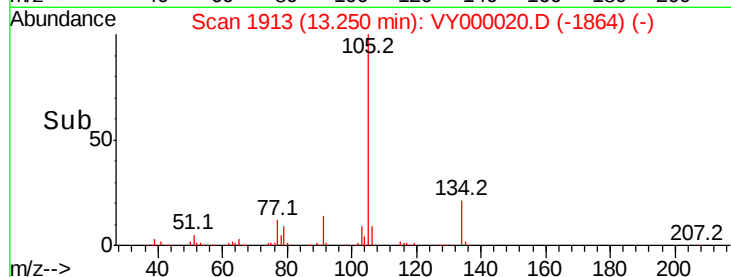
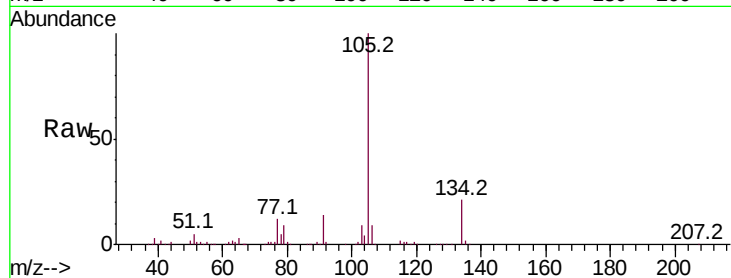




#85
 sec-Butylbenzene
 Concen: 20.507 ug/l
 RT: 13.25 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

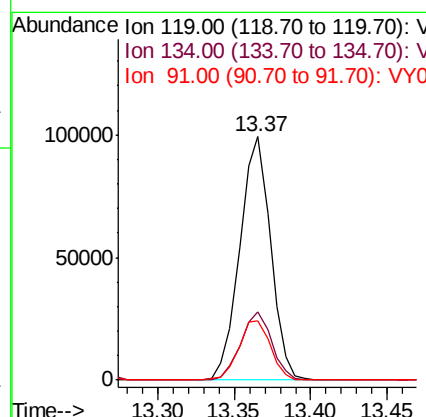
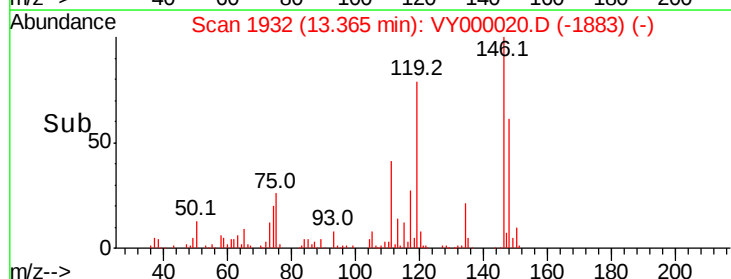
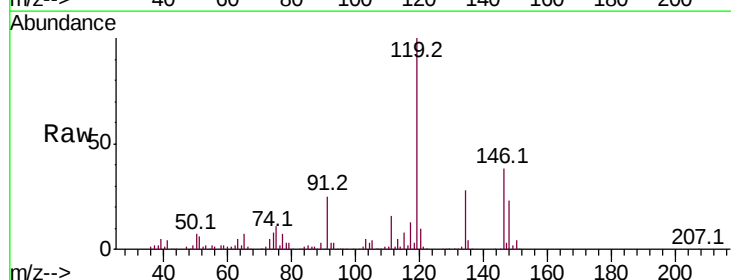
Instrument :
 MSVOA_Y
 ClientSampleId :

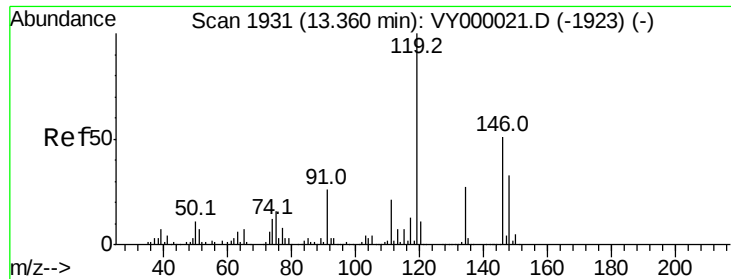
Tot Ion:105 Resp: 161740
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 20.691 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion:119 Resp: 138436
 Ion Ratio Lower Upper
 119 100
 134 28.5 13.8 41.3
 91 25.2 12.4 37.2

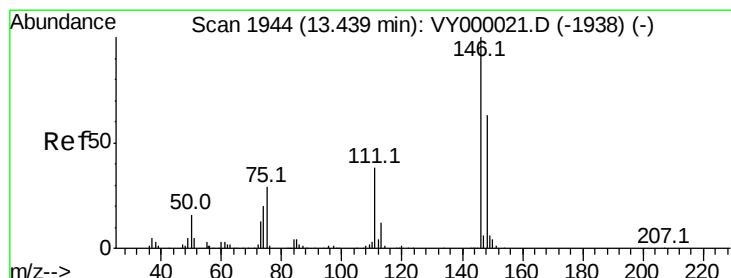
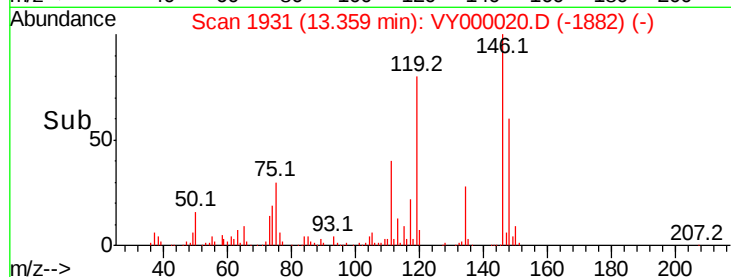
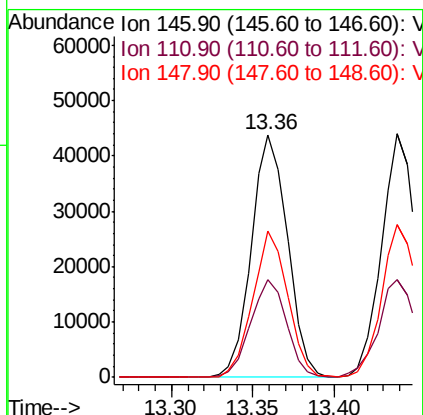
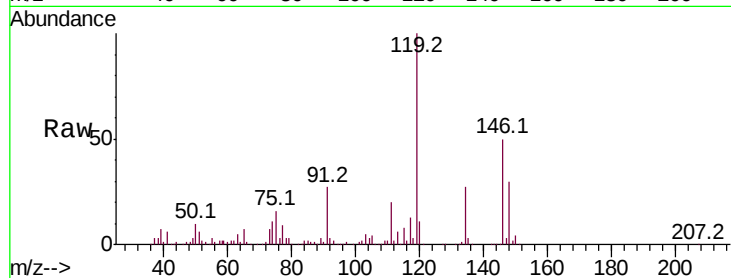




#87
 1,3-Dichlorobenzene
 Concen: 21.326 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

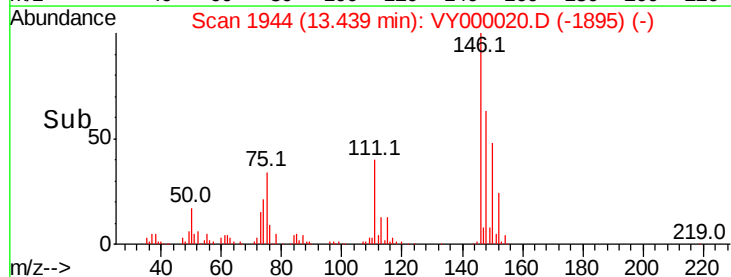
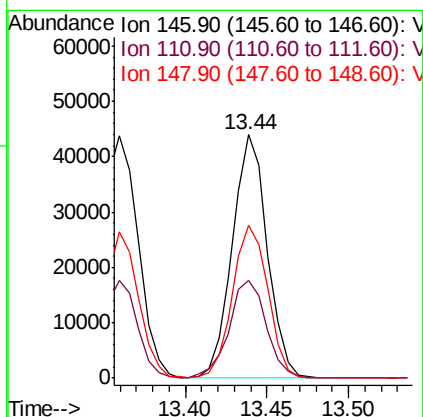
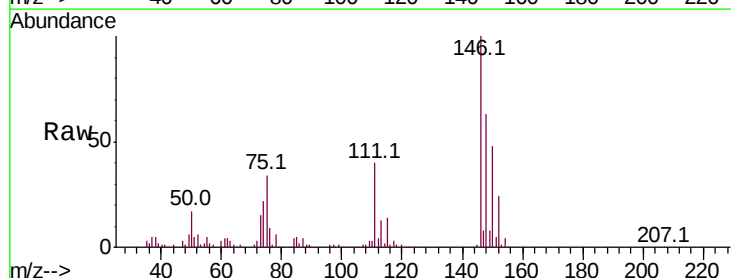
Instrument :
 MSVOA_Y
 ClientSampled :

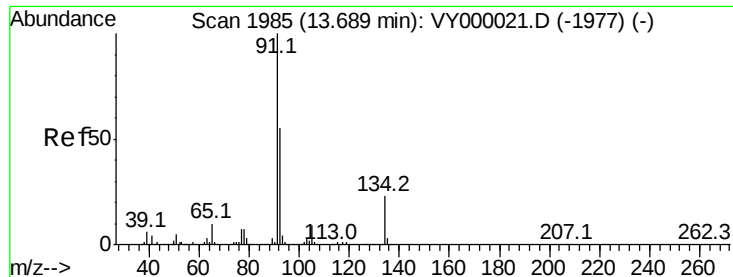
Tot Ion:146 Resp: 67631
 Ion Ratio Lower Upper
 146 100
 111 40.2 21.2 63.6
 148 58.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.479 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion:146 Resp: 65357
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.3 60.9
 148 63.7 31.7 95.1





#89

n-Butylbenzene

Concen: 21.002 ug/l

RT: 13.69 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampled :

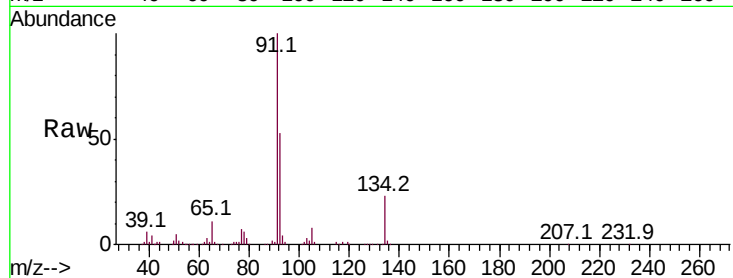
Tot Ion: 91 Resp: 142394

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.6

134 25.1 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VY000021.D (-1977) (-)

Ion 92.00 (91.70 to 92.70): VY000021.D (-1977) (-)

Ion 134.00 (133.70 to 134.70): VY000021.D (-1977) (-)

13.69

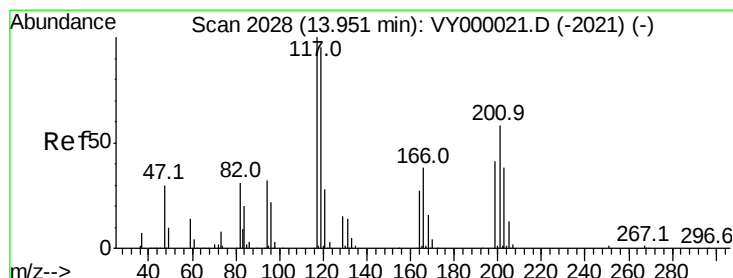
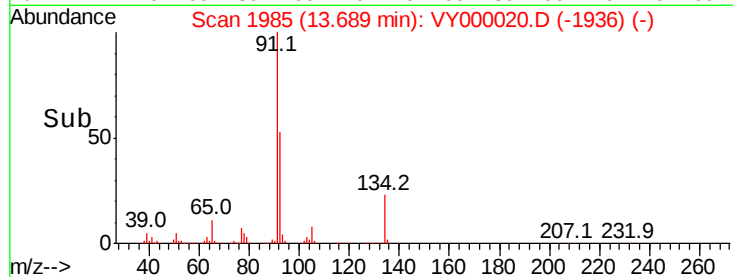
100000

50000

0

13.65 13.70 13.75

Time-->



#90

Hexachloroethane

Concen: 21.131 ug/l

RT: 13.95 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VY000020.D

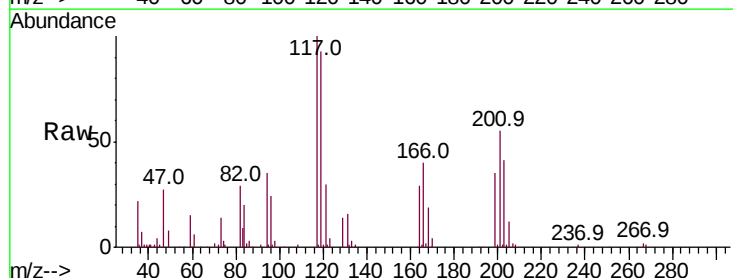
Acq: 12 Sep 2019 11:54

Tgt Ion: 117 Resp: 28253

Ion Ratio Lower Upper

117 100

201 59.2 31.4 94.0



Abundance Ion 116.80 (116.50 to 117.50): VY000021.D (-2021) (-)

Ion 200.70 (200.40 to 201.40): VY000021.D (-2021) (-)

13.95

20000

15000

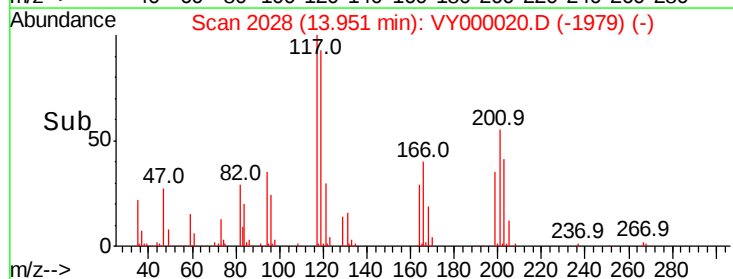
10000

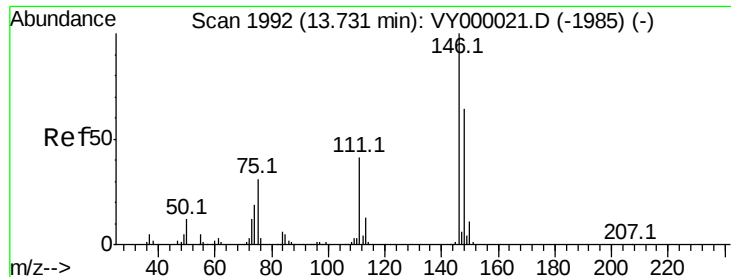
5000

0

13.90 13.95 14.00

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.681 ug/l

RT: 13.73 min Scan# 1992

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

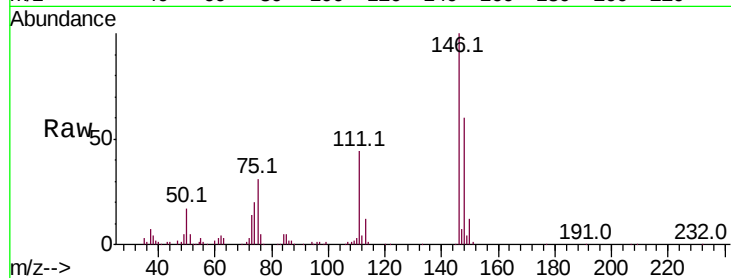
Tot Ion:146 Resp: 61038

Ion Ratio Lower Upper

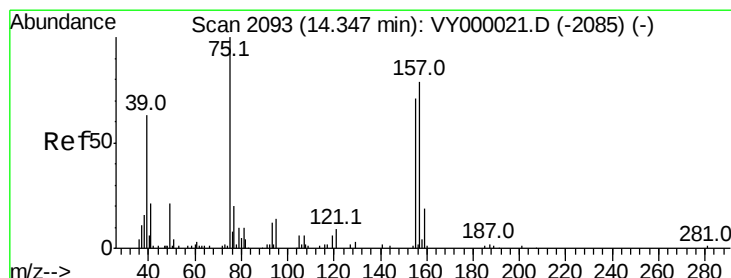
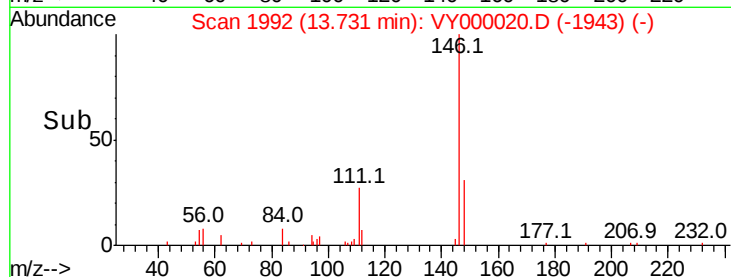
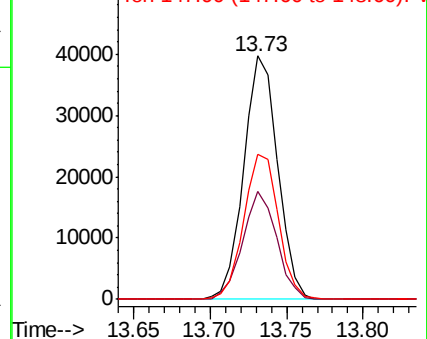
146 100

111 44.2 21.0 63.0

148 61.0 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.977 ug/l

RT: 14.35 min Scan# 2094

Delta R.T. 0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

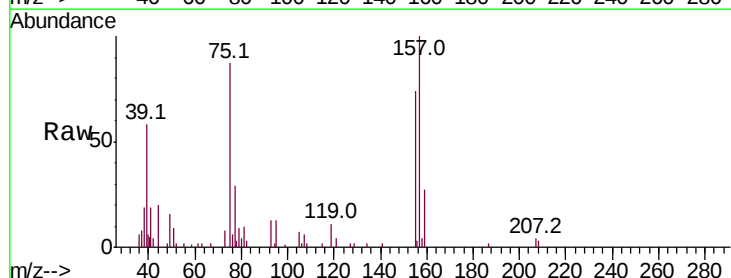
Tgt Ion: 75 Resp: 6572

Ion Ratio Lower Upper

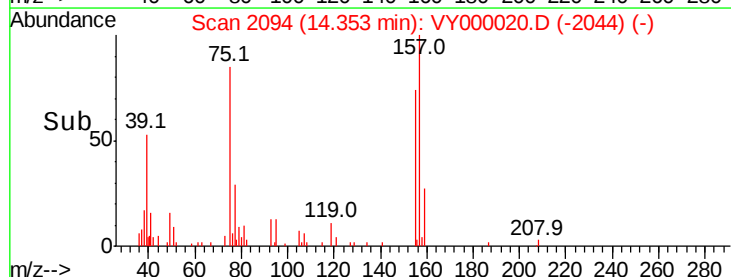
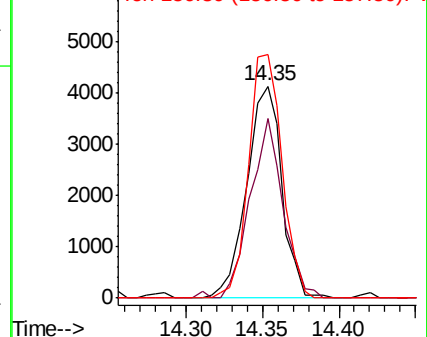
75 100

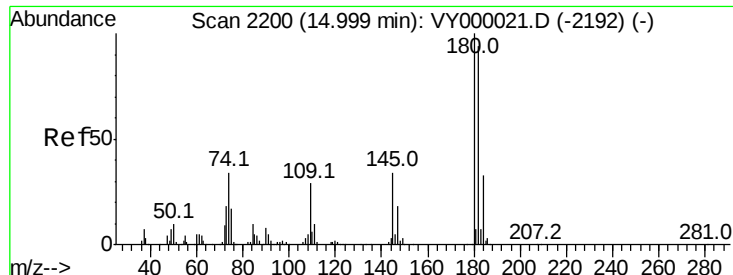
155 78.7 41.8 125.3

157 109.5 51.3 153.9



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

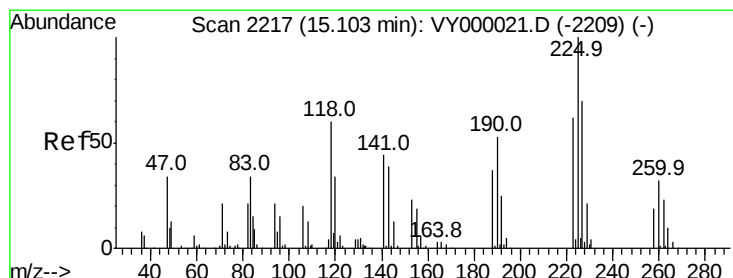
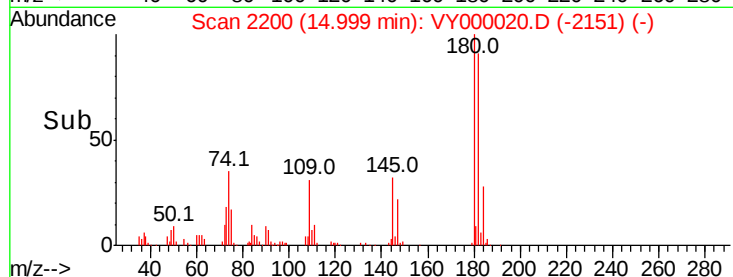
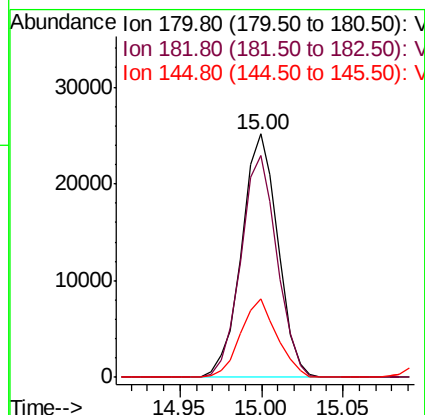
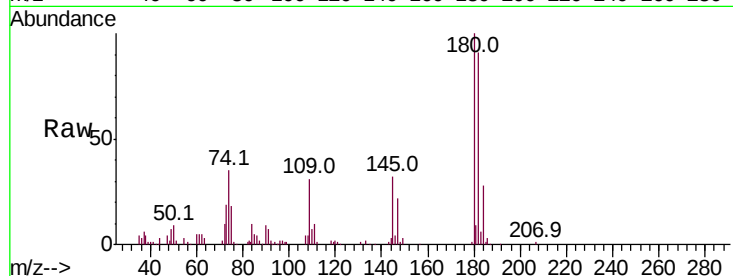




#93
 1,2,4-Trichlorobenzene
 Concen: 20.658 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

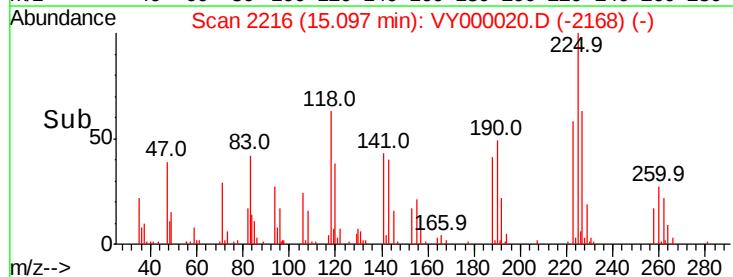
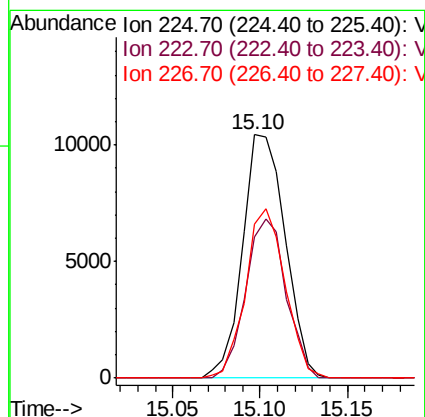
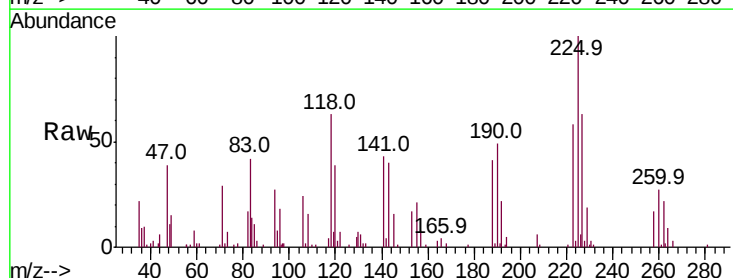
Instrument :
 MSVOA_Y
 ClientSampleId :

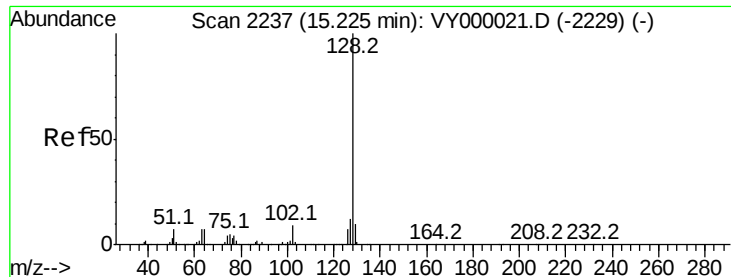
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.0	141.0
145	32.5	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 20.482 ug/l
 RT: 15.10 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.9	92.7
227	64.4	31.0	93.0





#95

Naphthalene

Concen: 19.895 ug/l

RT: 15.22 min Scan# 2237

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

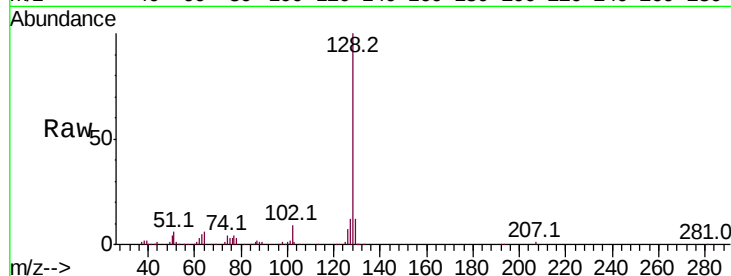
Tot Ion:128 Resp: 102503

Ion Ratio Lower Upper

128 100

127 12.5 9.8 14.8

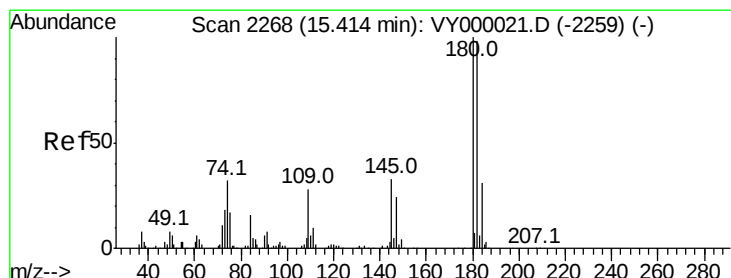
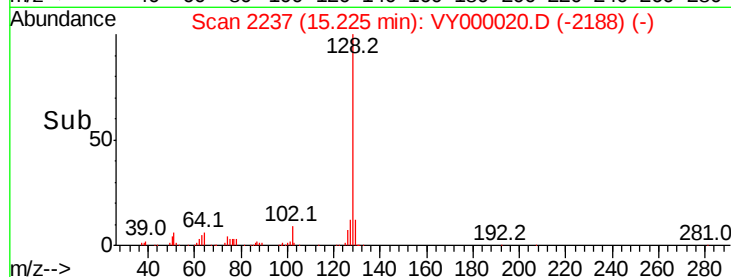
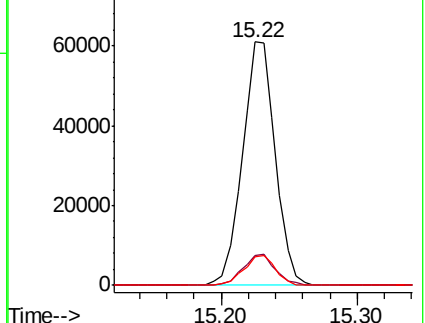
129 11.7 8.7 13.1



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: 20.095 ug/l

RT: 15.41 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

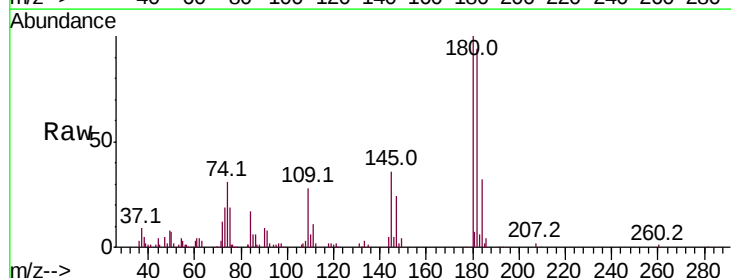
Tgt Ion:180 Resp: 33972

Ion Ratio Lower Upper

180 100

182 94.3 46.8 140.4

145 34.5 17.3 51.7



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

