

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000293.D
 Acq On : 14 Oct 2019 12:54
 Operator : SY/MD
 Sample : VY1014SBS01
 Misc : 5.00g/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 15 01:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	312793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	522157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	465882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	223748	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	168190	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	7.73	113	149735	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	10.19	98	613832	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.49	95	223043	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	60846	22.204	ug/l	94
3) Chloromethane	2.12	50	79749	20.865	ug/l	98
4) Vinyl Chloride	2.25	62	78411	20.327	ug/l	100
5) Bromomethane	2.63	94	58019	20.295	ug/l	97
6) Chloroethane	2.79	64	48619	19.534	ug/l	95
7) Trichlorofluoromethane	3.13	101	109535	20.759	ug/l	97
8) Diethyl Ether	3.53	74	38847	20.840	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	66482	20.776	ug/l	97
10) Methyl Iodide	4.09	142	75814	17.425	ug/l	99
11) Tert butyl alcohol	4.97	59	30799	89.197	ug/l	98
12) 1,1-Dichloroethene	3.87	96	63712	20.168	ug/l	97
13) Acrolein	3.74	56	38612	95.381	ug/l	99
14) Allyl chloride	4.49	41	105140	20.083	ug/l	98
15) Acrylonitrile	5.17	53	101372	97.160	ug/l	96
16) Acetone	3.96	43	89519	83.779	ug/l	96
17) Carbon Disulfide	4.19	76	200575	20.165	ug/l	98
18) Methyl Acetate	4.49	43	51126	19.258	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	182663	20.771	ug/l	98
20) Methylene Chloride	4.72	84	74529	17.127	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	72664	20.048	ug/l	90
22) Diisopropyl ether	6.13	45	226135	20.423	ug/l	97
23) Vinyl Acetate	6.07	43	716620	99.205	ug/l	100
24) 1,1-Dichloroethane	6.03	63	122613	20.287	ug/l	99
25) 2-Butanone	7.00	43	136804	90.888	ug/l	98
26) 2,2-Dichloropropane	6.99	77	108816	19.539	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	79492	20.268	ug/l	98
28) Bromochloromethane	7.35	49	47972	18.490	ug/l	100
29) Tetrahydrofuran	7.36	42	87623	96.056	ug/l	100
30) Chloroform	7.52	83	122790	20.174	ug/l	100
31) Cyclohexane	7.79	56	127788	20.244	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	107843	19.929	ug/l	100
36) 1,1-Dichloropropene	7.93	75	99833	19.528	ug/l	97
37) Ethyl Acetate	7.08	43	56802	18.765	ug/l	100
38) Carbon Tetrachloride	7.91	117	97449	19.687	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	131453	19.646	ug/l	95
40) Benzene	8.17	78	286735	19.408	ug/l	99
41) Methacrylonitrile	7.36	41	80047	55.554	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	84886	20.115	ug/l	99
43) Isopropyl Acetate	8.28	43	108700	18.886	ug/l	98
44) Trichloroethene	8.94	130	78730	18.993	ug/l	96
45) 1,2-Dichloropropane	9.22	63	74216	20.470	ug/l	100
46) Dibromomethane	9.32	93	40715	20.089	ug/l	94
47) Bromodichloromethane	9.50	83	94820	19.852	ug/l	97
48) Methyl methacrylate	9.30	41	48538	19.242	ug/l	97
49) 1,4-Dioxane	9.30	88	11761	387.021	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	288045	97.029	ug/l	99
52) Toluene	10.25	92	178636	19.045	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	104064	20.329	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	117139	20.150	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	57435	19.490	ug/l	94
56) Ethyl methacrylate	10.52	69	81044	19.295	ug/l	98
57) 1,3-Dichloropropane	10.80	76	103412	20.434	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	202666	120.969	ug/l	99
59) 2-Hexanone	10.84	43	204770	98.271	ug/l	98
60) Dibromochloromethane	10.99	129	64781	19.834	ug/l	95
61) 1,2-Dibromoethane	11.09	107	54926	19.412	ug/l	99
64) Tetrachloroethene	10.72	164	86855	19.583	ug/l	97
65) Chlorobenzene	11.52	112	192227	19.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	69828	20.218	ug/l	98
67) Ethyl Benzene	11.60	91	351816	19.302	ug/l	97
68) m/p-Xylenes	11.70	106	268527	38.539	ug/l	99
69) o-Xylene	12.03	106	127951	19.249	ug/l	99
70) Styrene	12.05	104	216500	19.313	ug/l	100
71) Bromoform	12.21	173	39778	20.034	ug/l #	97
73) Isopropylbenzene	12.33	105	344313	19.735	ug/l	99
74) N-amyl acetate	12.14	43	91665	21.402	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	63419	19.361	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	93929	34.139	ug/l #	100
77) Bromobenzene	12.61	156	77156	19.874	ug/l	99
78) n-propylbenzene	12.67	91	409998	19.573	ug/l	100
79) 2-Chlorotoluene	12.76	91	233067	20.147	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	288817	19.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	23259	18.496	ug/l	100
82) 4-Chlorotoluene	12.86	91	240311	19.652	ug/l	100
83) tert-Butylbenzene	13.08	119	246493	19.897	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	291115	20.162	ug/l	97
85) sec-Butylbenzene	13.25	105	358720	20.016	ug/l	99
86) p-Isopropyltoluene	13.37	119	313351	20.055	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	149890	19.596	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	153988	20.141	ug/l	98
89) n-Butylbenzene	13.70	91	305023	19.755	ug/l	99
90) Hexachloroethane	13.96	117	56403	19.495	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	140246	20.260	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12407	19.971	ug/l	95

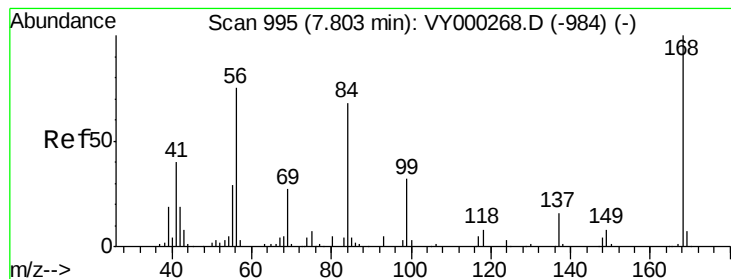
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Quant Title : SW846 8260
QLast Update : Mon Oct 14 08:10:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	98112	20.357	ug/l	99
94) Hexachlorobutadiene	15.11	225	51119	19.599	ug/l	99
95) Naphthalene	15.23	128	227153	21.120	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	88934	20.475	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

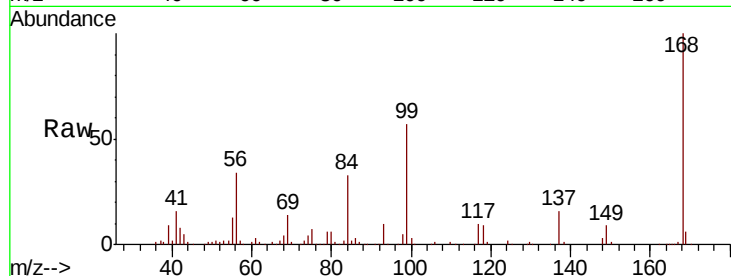
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 312793

Ion Ratio Lower Upper

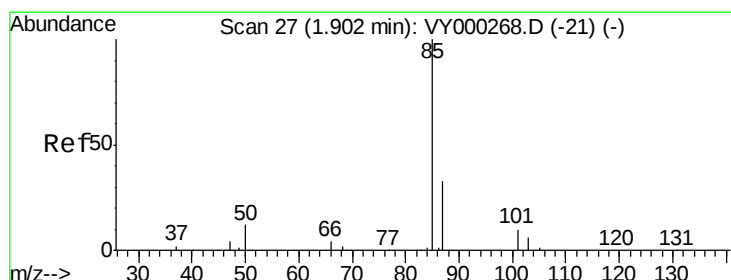
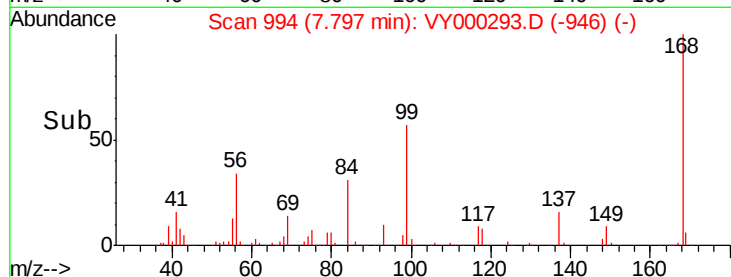
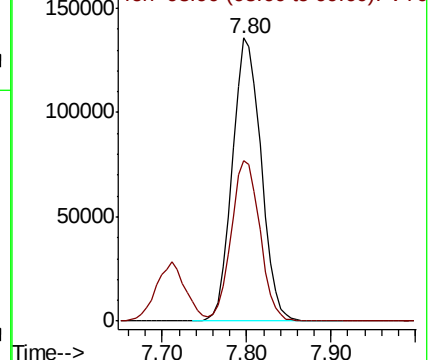
168 100

99 56.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)



#2

Dichlorodifluoromethane

Concen: 22.204 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000293.D

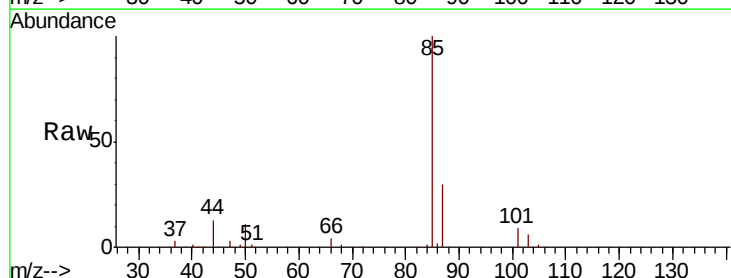
Acq: 14 Oct 2019 12:54

Tgt Ion: 85 Resp: 60846

Ion Ratio Lower Upper

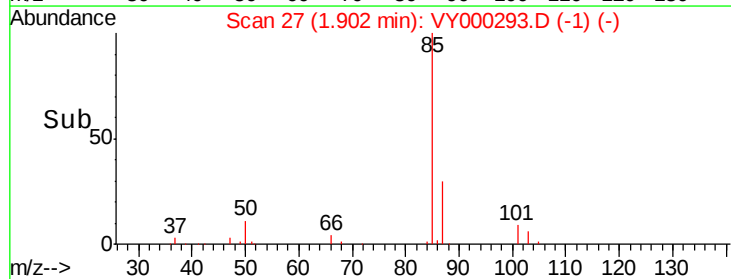
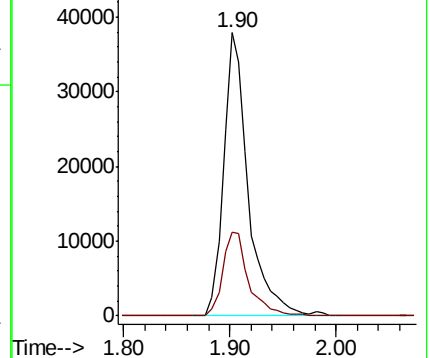
85 100

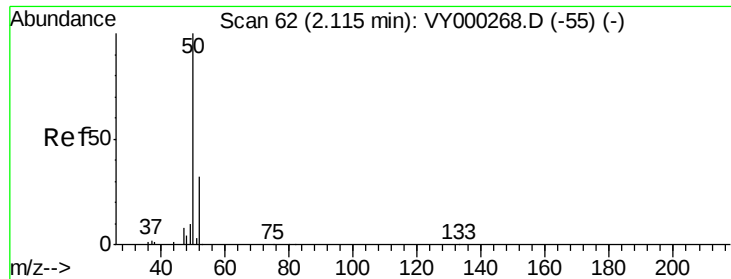
87 29.6 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)





#3

Chloromethane

Concen: 20.865 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

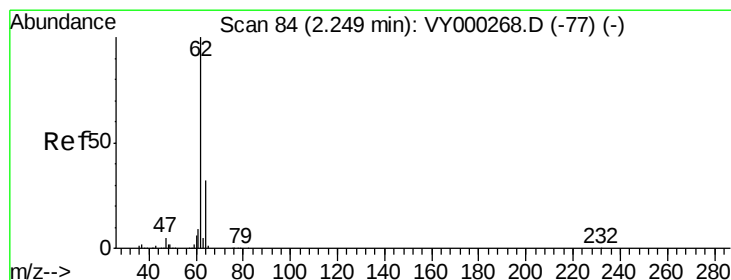
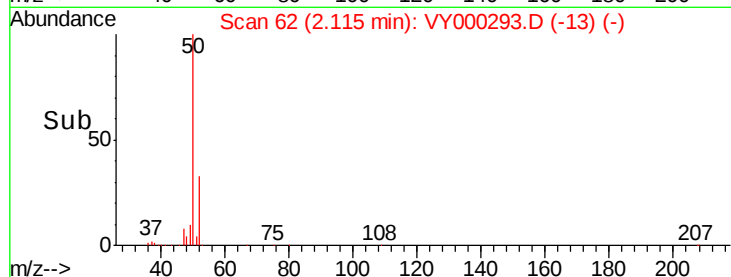
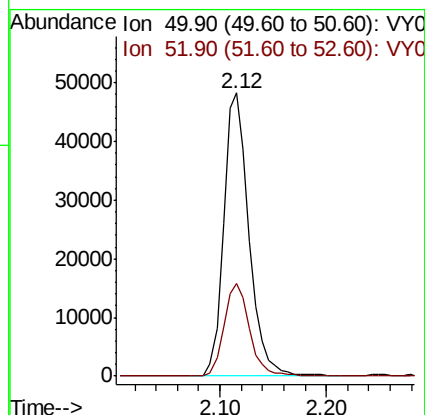
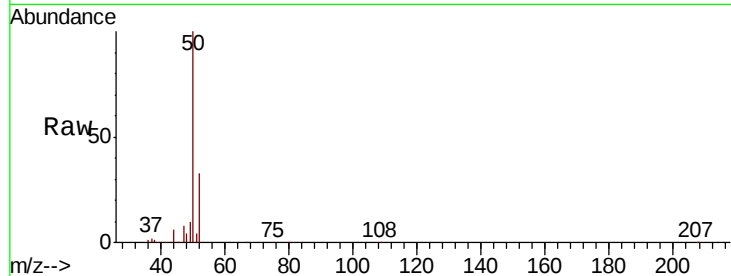
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 50 Resp: 79749

Ion Ratio Lower Upper

50 100

52 32.6 25.3 37.9



#4

Vinyl Chloride

Concen: 20.327 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000293.D

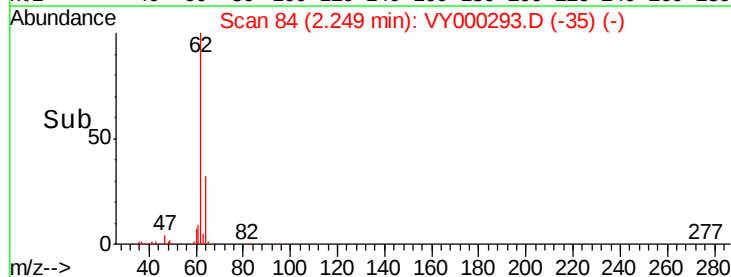
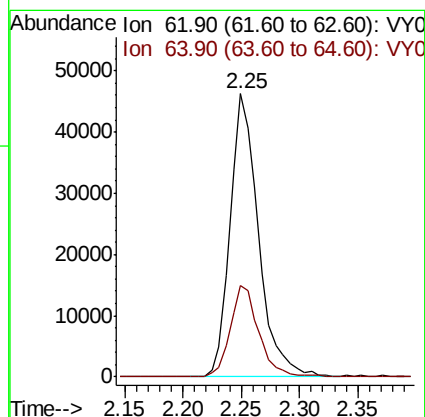
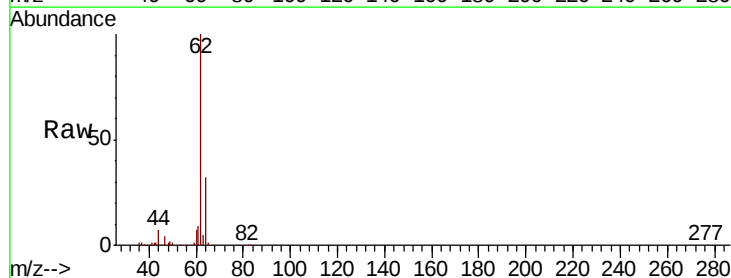
Acq: 14 Oct 2019 12:54

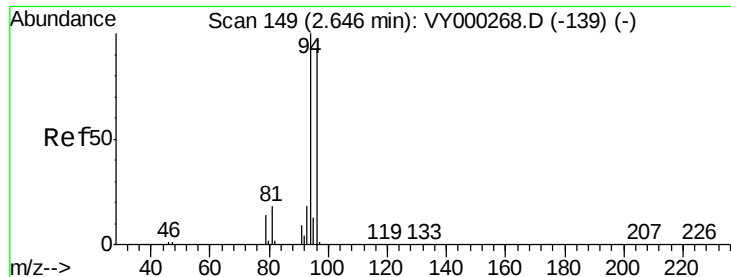
Tgt Ion: 62 Resp: 78411

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 20.295 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

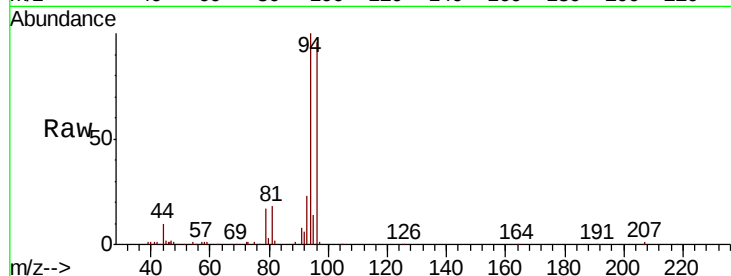
ClientSampled :

Tot Ion: 94 Resp: 58019

Ion Ratio Lower Upper

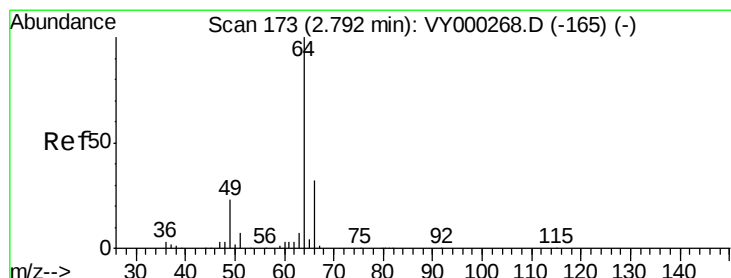
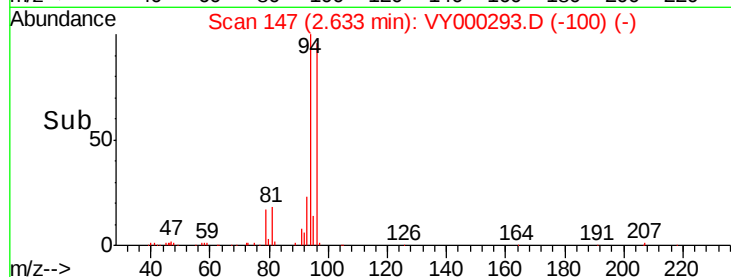
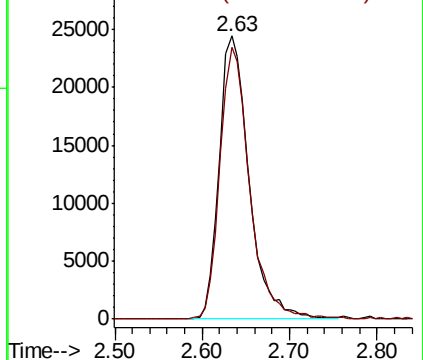
94 100

96 95.9 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.534 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000293.D

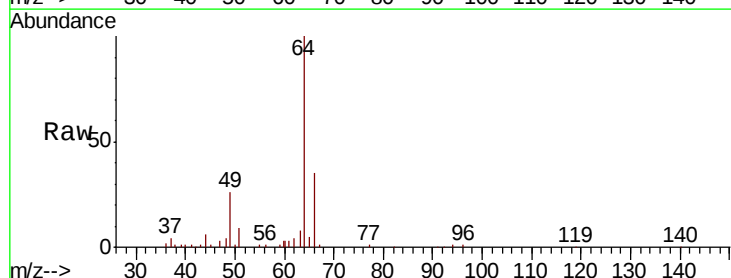
Acq: 14 Oct 2019 12:54

Tgt Ion: 64 Resp: 48619

Ion Ratio Lower Upper

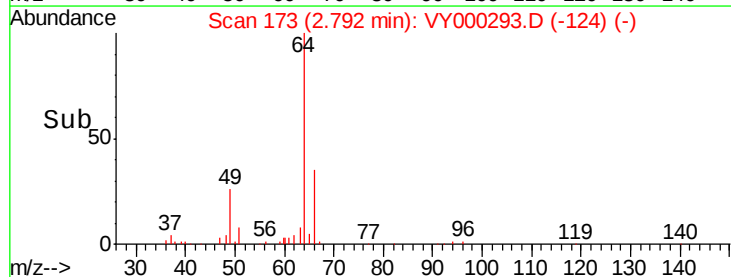
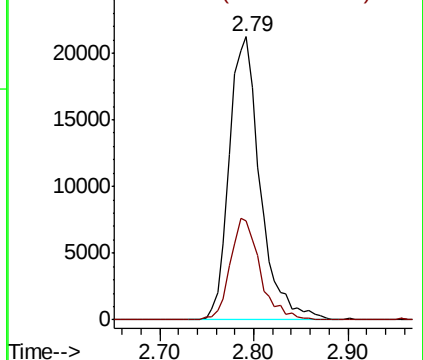
64 100

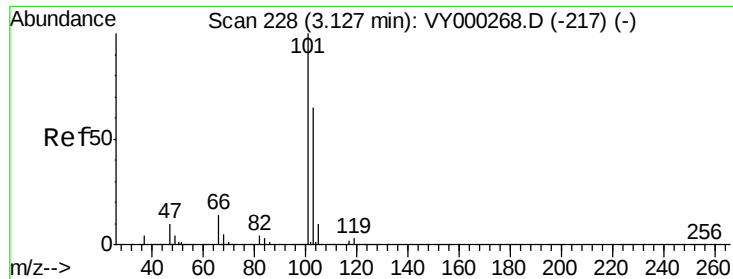
66 34.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



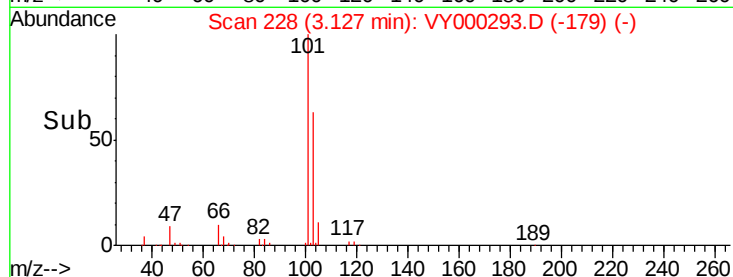
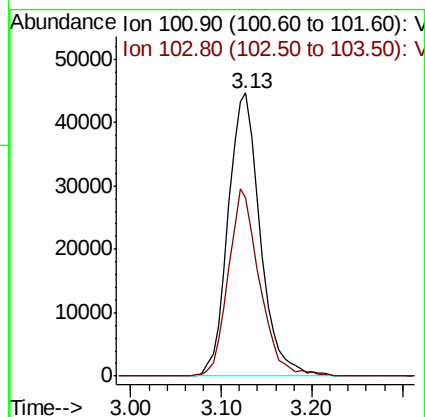
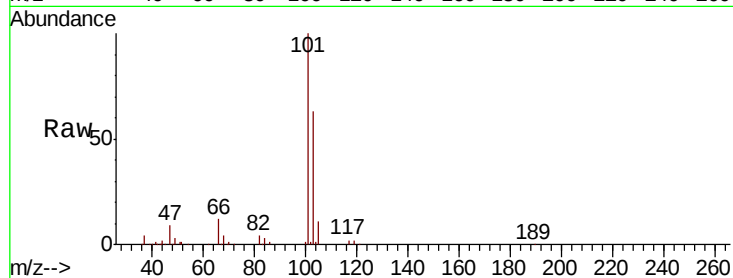


#7

Trichlorofluoromethane
Concen: 20.759 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampled :

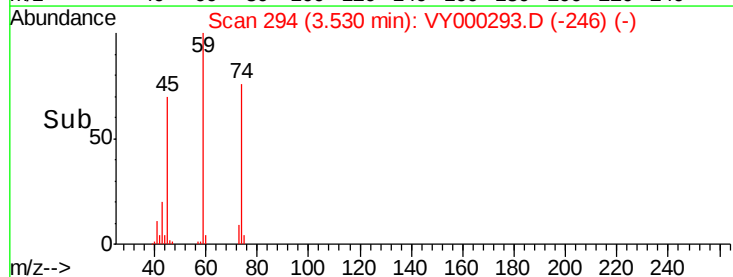
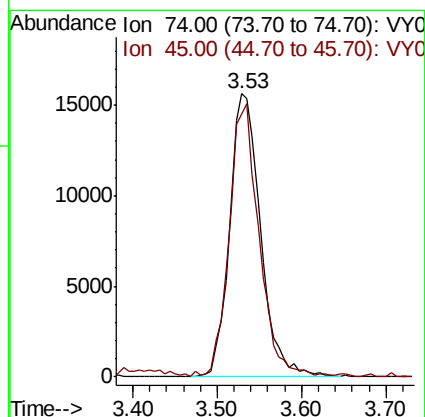
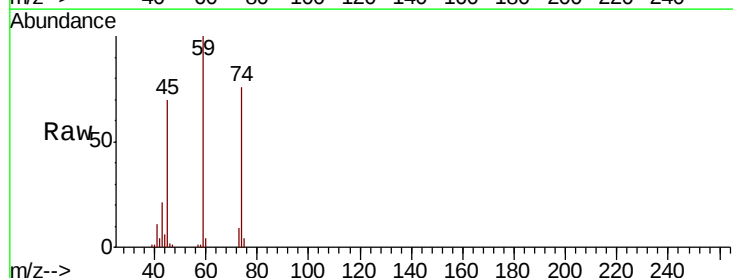
Tot Ion:101 Resp: 109535
Ion Ratio Lower Upper
101 100
103 62.9 52.2 78.4

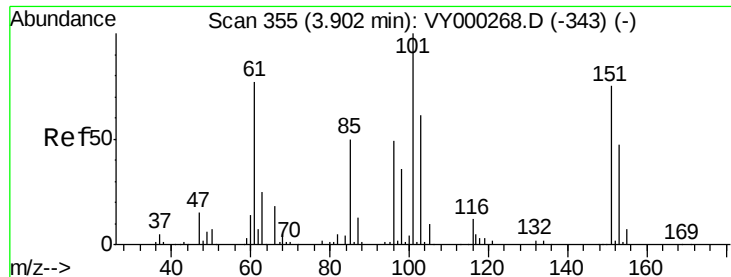


#8

Diethyl Ether
Concen: 20.840 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 74 Resp: 38847
Ion Ratio Lower Upper
74 100
45 94.1 47.1 141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.776 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampled :

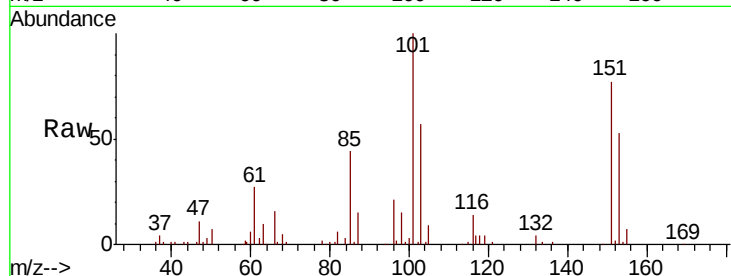
Tot Ion:101 Resp: 66482

Ion Ratio Lower Upper

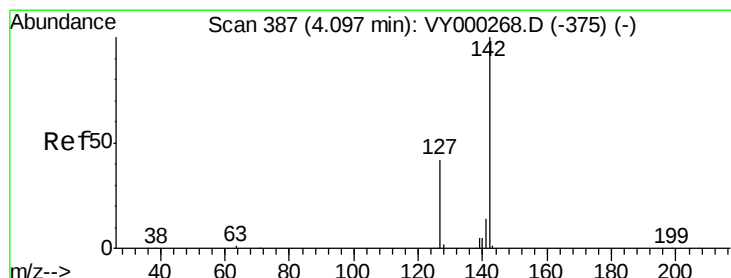
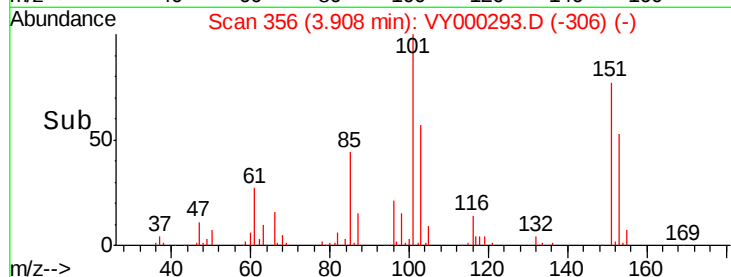
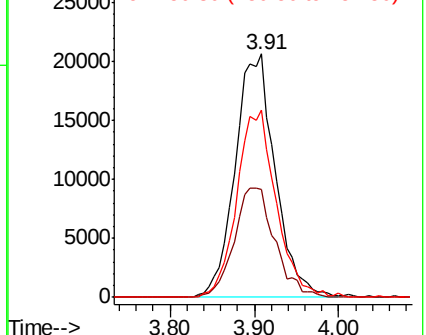
101 100

85 45.6 36.6 55.0

151 75.3 63.1 94.7



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: 17.425 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

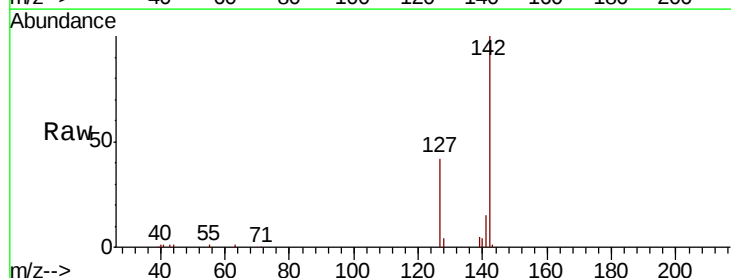
Tgt Ion:142 Resp: 75814

Ion Ratio Lower Upper

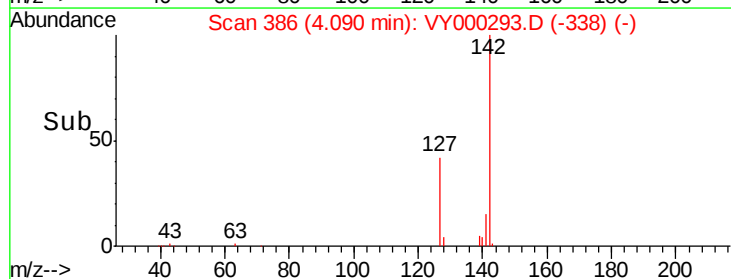
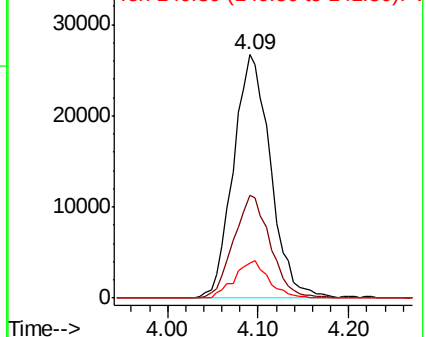
142 100

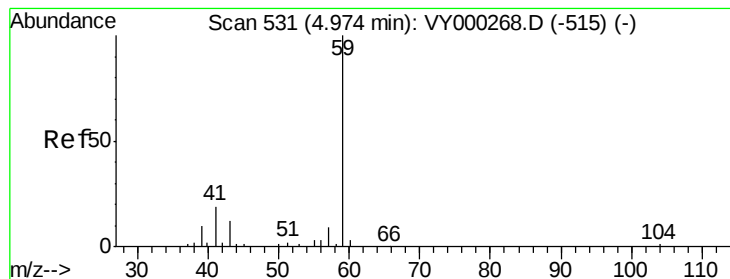
127 41.6 33.9 50.9

141 14.1 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



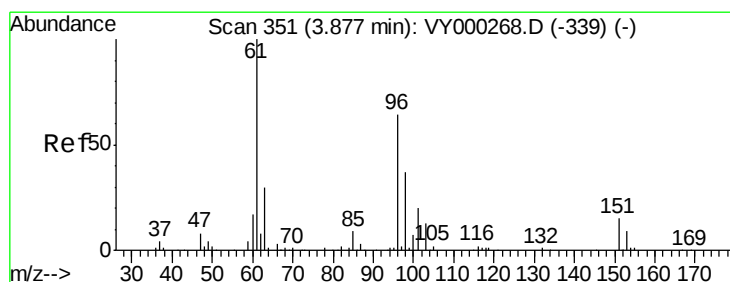
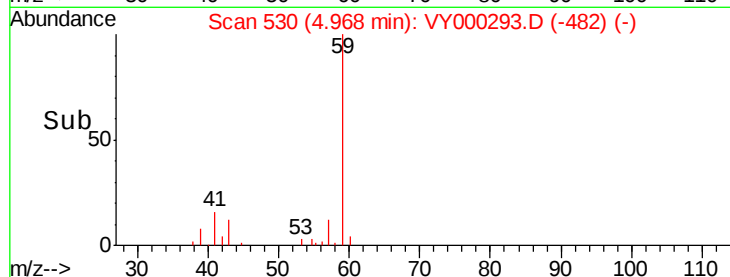
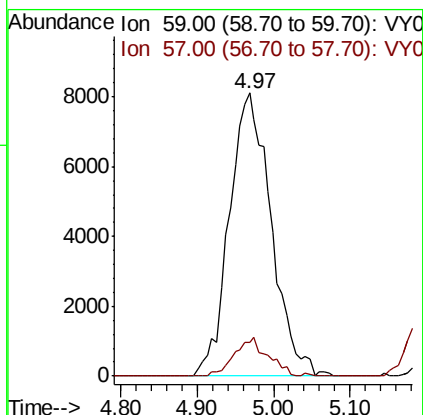
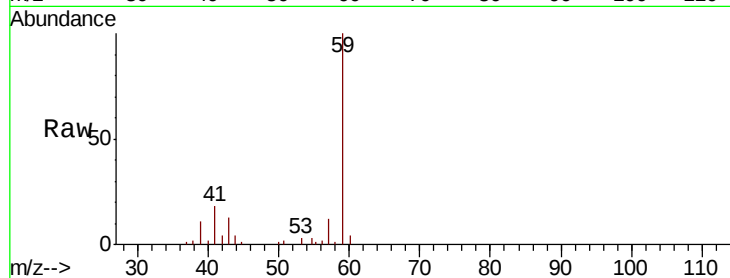


#11

Tert butyl alcohol
 Concen: 89.197 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :

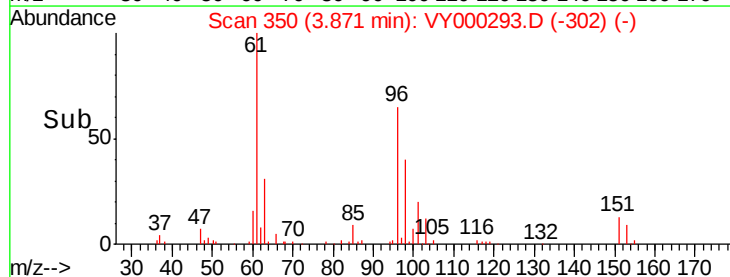
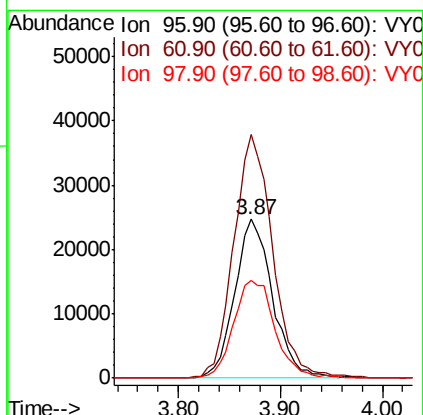
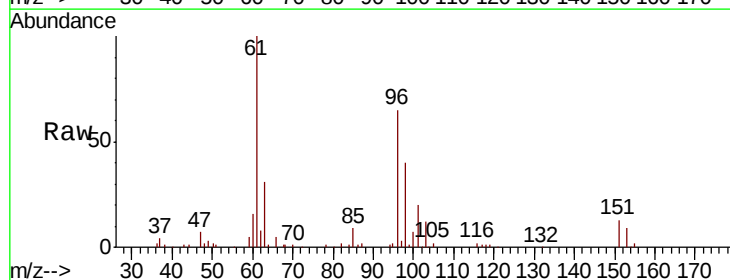
Tot Ion: 59 Resp: 30799
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.2 12.2

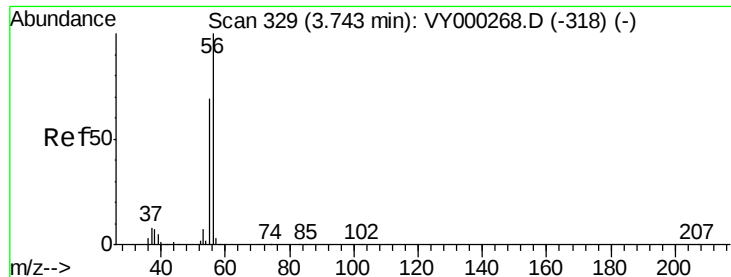


#12

1,1-Dichloroethene
 Concen: 20.168 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion: 96 Resp: 63712
 Ion Ratio Lower Upper
 96 100
 61 153.6 125.8 188.6
 98 61.4 46.2 69.2





#13

Acrolein

Concen: 95.381 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

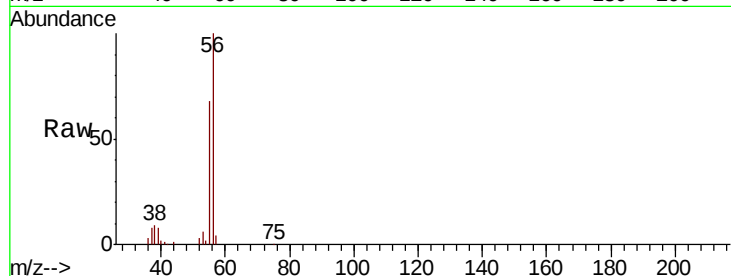
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 38612

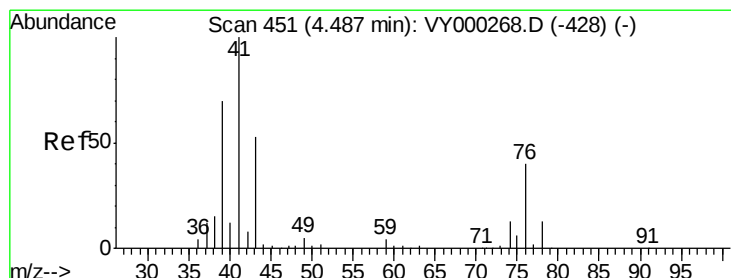
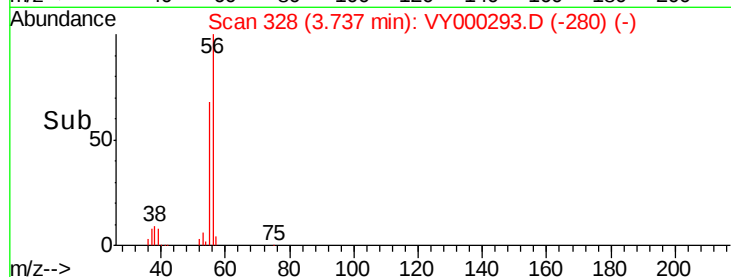
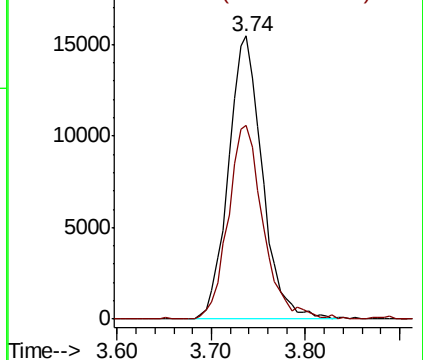
Ion Ratio Lower Upper

56 100

55 70.6 55.7 83.5



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



#14

Allyl chloride

Concen: 20.083 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

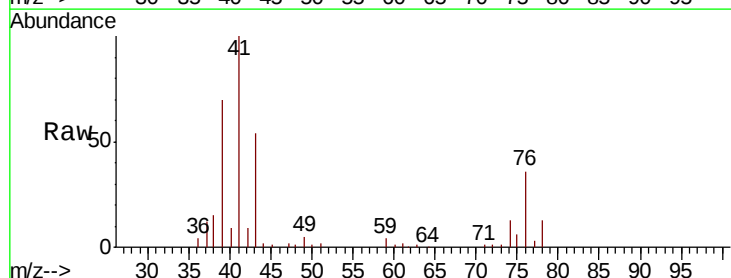
Tgt Ion: 41 Resp: 105140

Ion Ratio Lower Upper

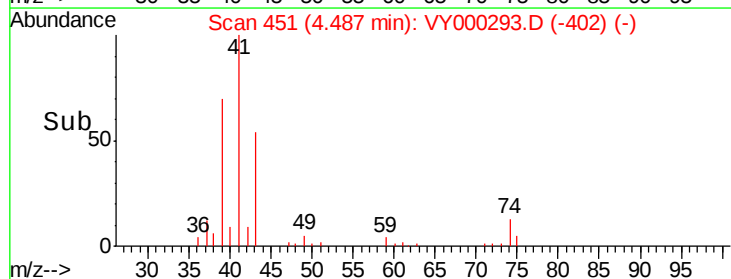
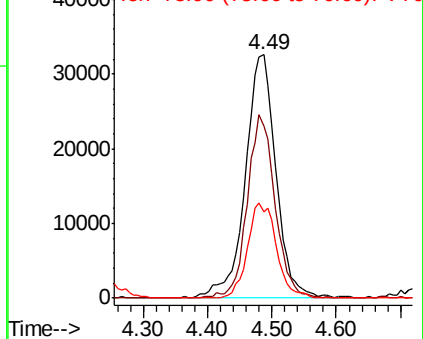
41 100

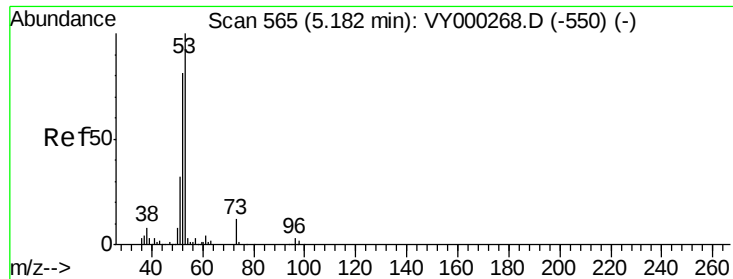
39 69.2 54.0 81.0

76 37.2 30.7 46.1



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: 97.160 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

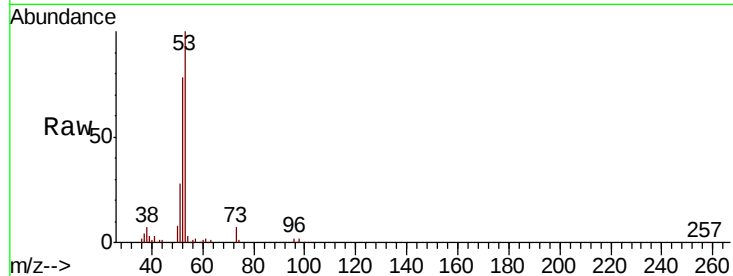
Tot Ion: 53 Resp: 101372

Ion Ratio Lower Upper

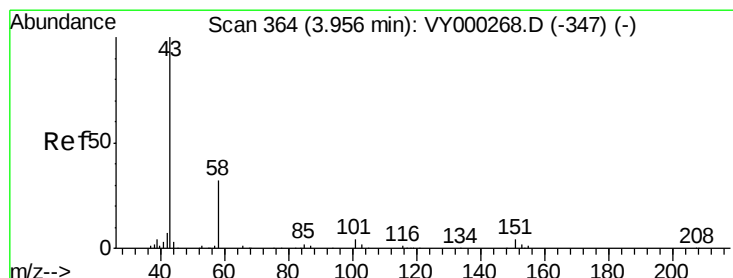
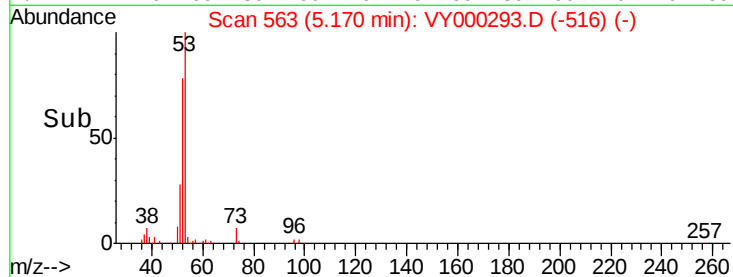
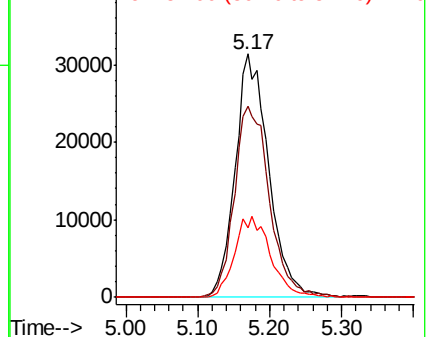
53 100

52 82.1 62.9 94.3

51 35.8 26.9 40.3



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: 83.779 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000293.D

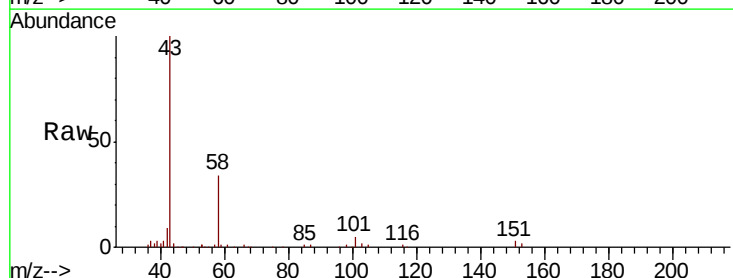
Acq: 14 Oct 2019 12:54

Tgt Ion: 43 Resp: 89519

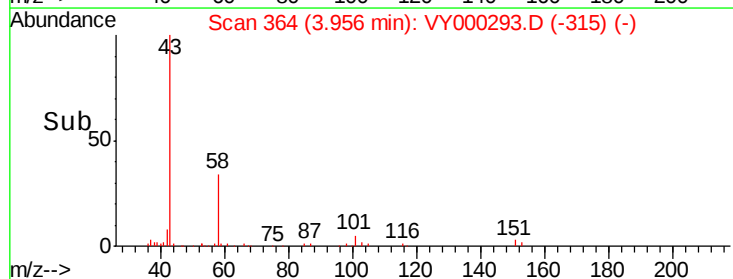
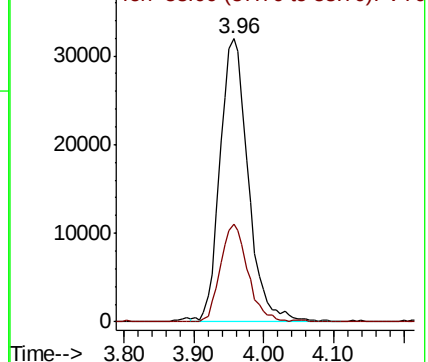
Ion Ratio Lower Upper

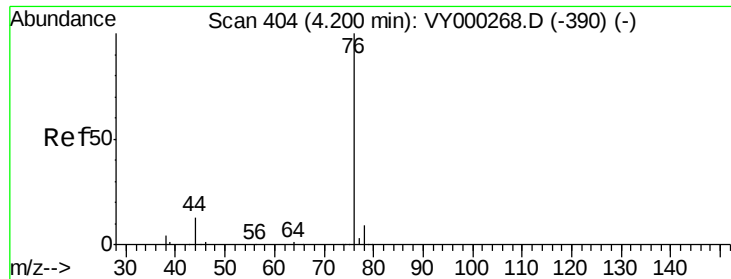
43 100

58 34.3 25.8 38.6



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

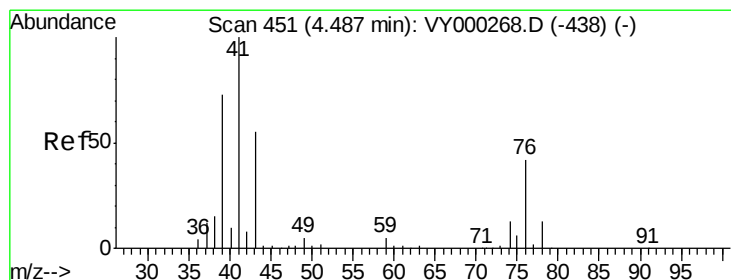
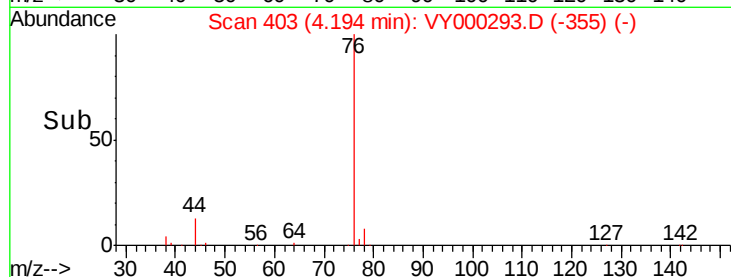
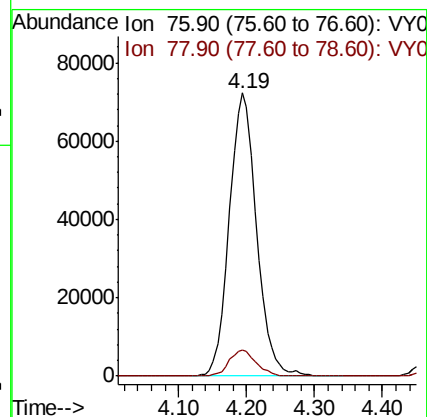
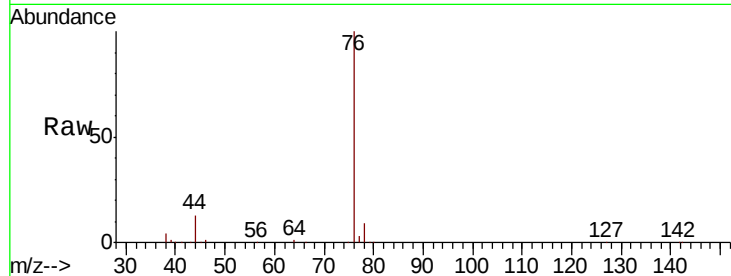




#17
Carbon Disulfide
Concen: 20.165 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

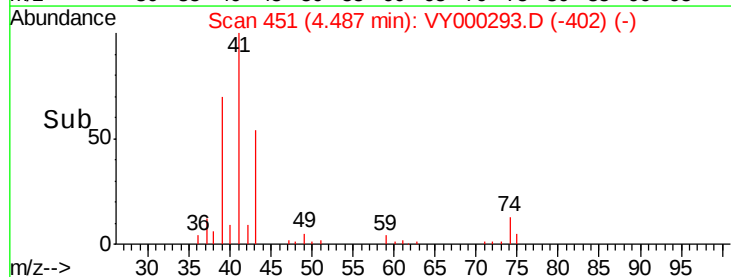
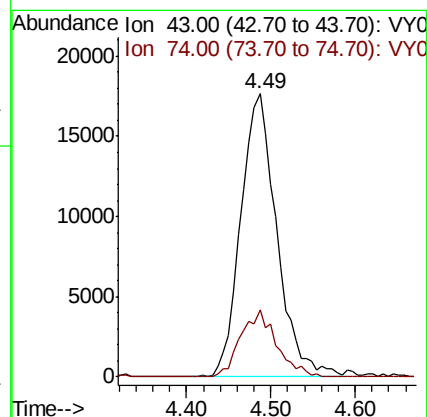
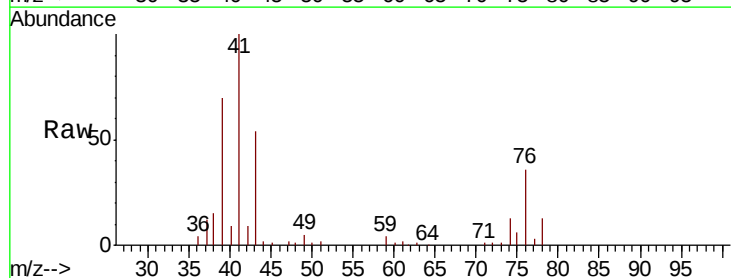
Instrument :
MSVOA_Y
ClientSampleId :

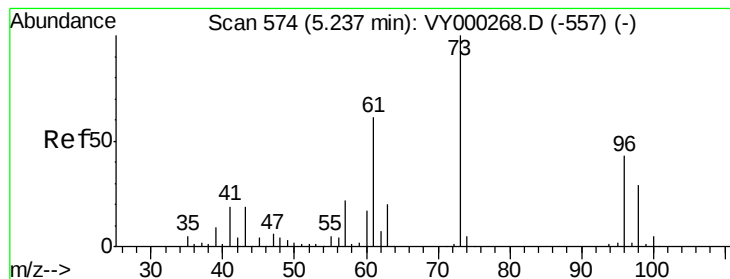
Tot Ion: 76 Resp: 200575
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



#18
Methyl Acetate
Concen: 19.258 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 43 Resp: 51126
Ion Ratio Lower Upper
43 100
74 23.4 20.4 30.6



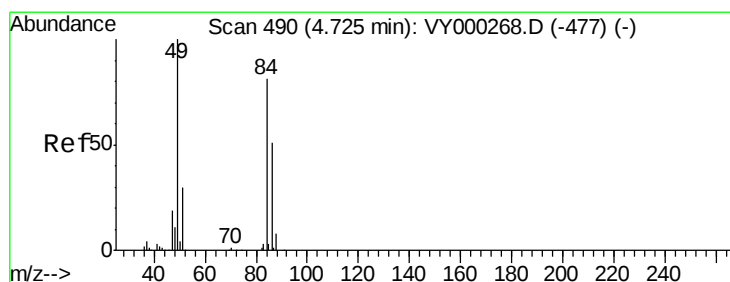
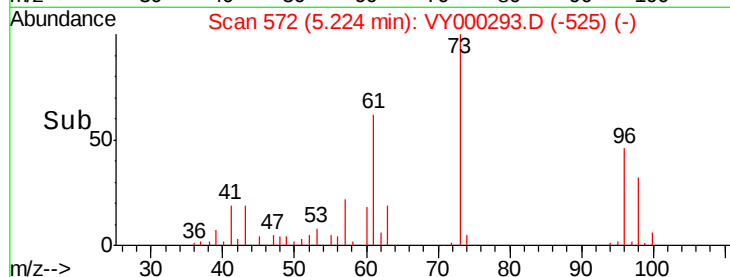
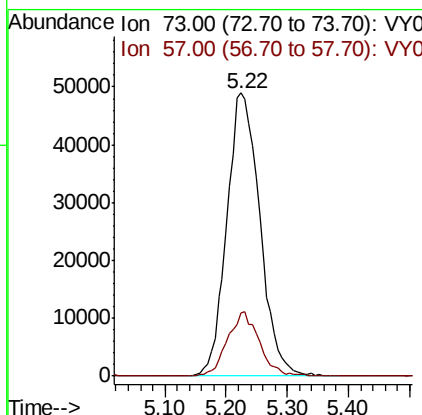
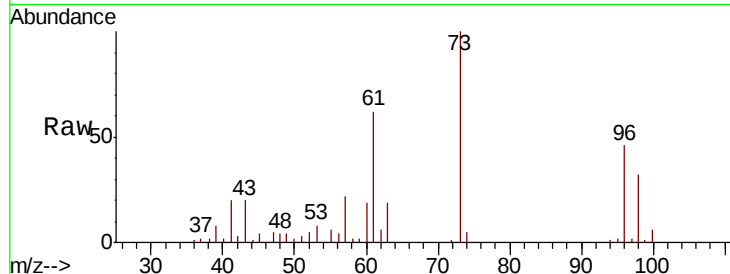


#19

Methyl tert-butyl Ether
 Concen: 20.771 ug/l
 RT: 5.22 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Instrument :
 MSVOA_Y
 ClientSampled :

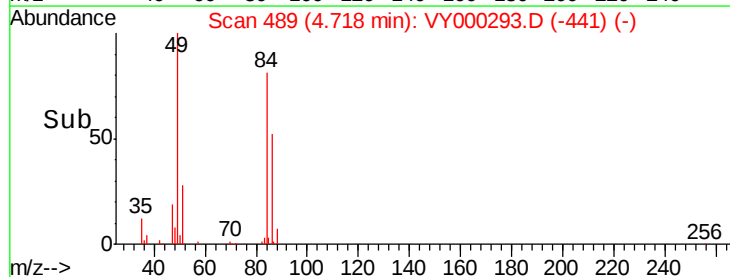
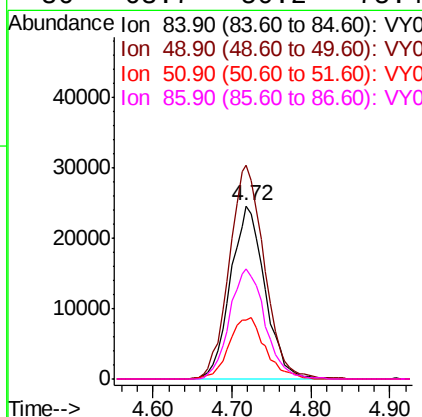
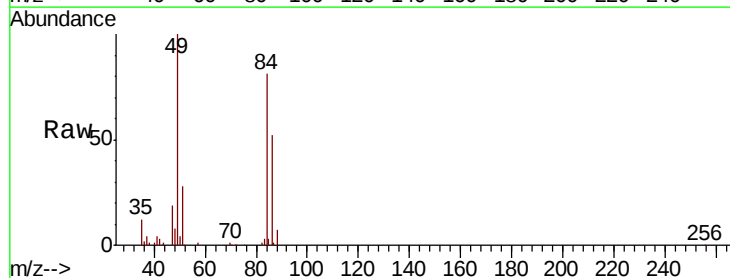
Tot Ion: 73 Resp: 182663
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.4 26.0

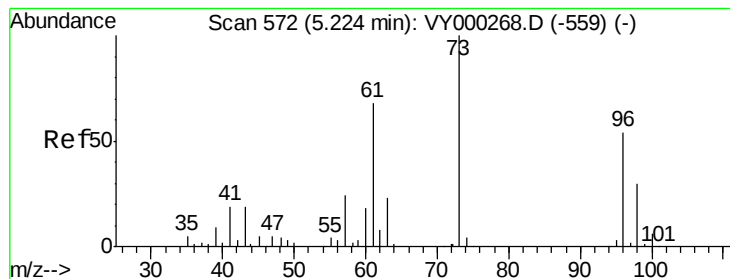


#20

Methylene Chloride
 Concen: 17.127 ug/l
 RT: 4.72 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion: 84 Resp: 74529
 Ion Ratio Lower Upper
 84 100
 49 123.2 99.0 148.4
 51 34.1 29.3 43.9
 86 63.7 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.048 ug/l

RT: 5.22 min Scan# 571

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampled :

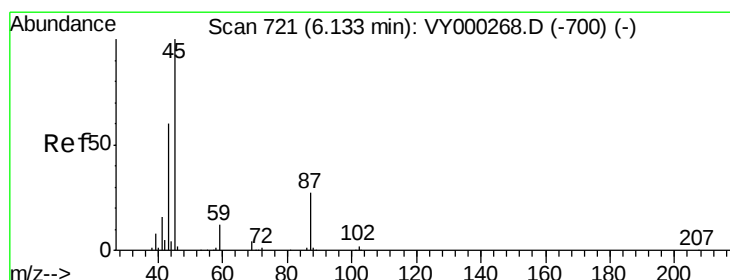
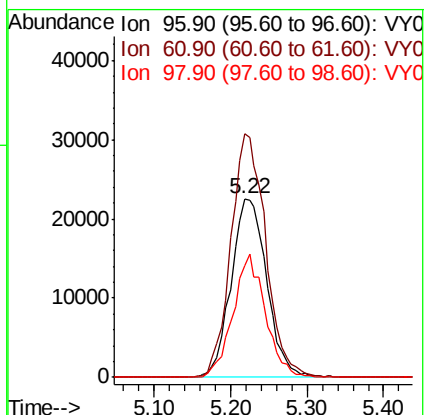
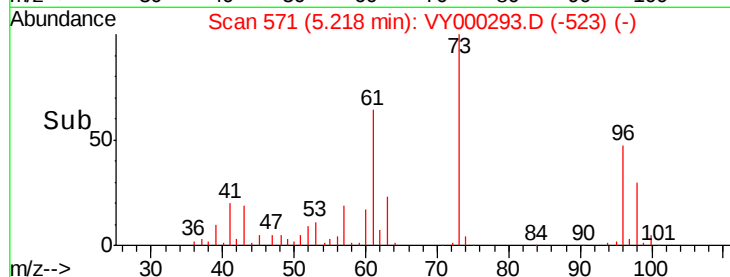
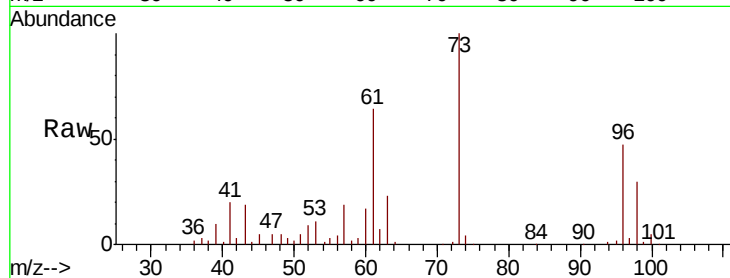
Tot Ion: 96 Resp: 72664

Ion Ratio Lower Upper

96 100

61 136.4 100.4 150.6

98 62.9 44.6 66.8



#22

Diisopropyl ether

Concen: 20.423 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion: 45 Resp: 226135

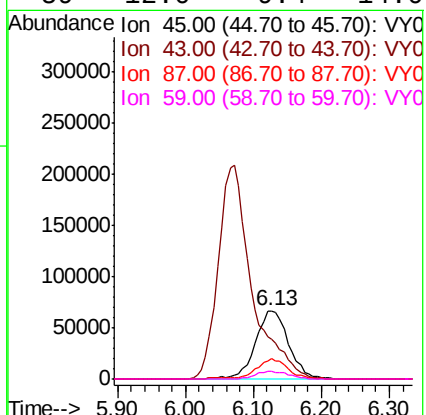
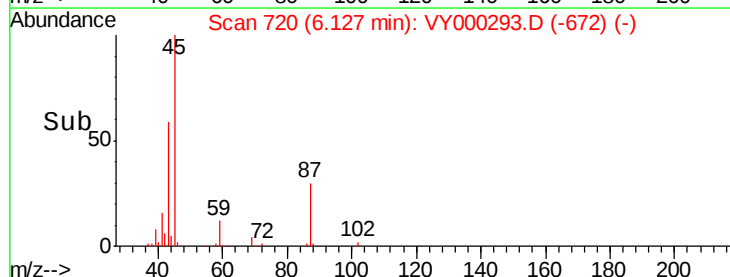
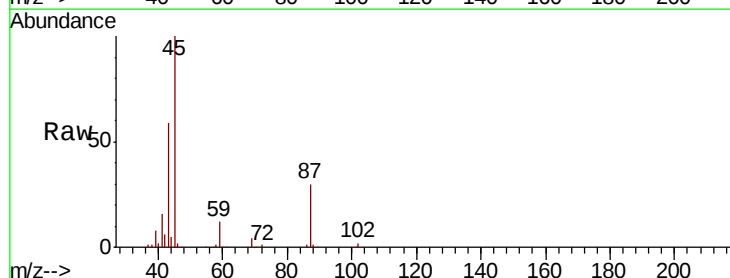
Ion Ratio Lower Upper

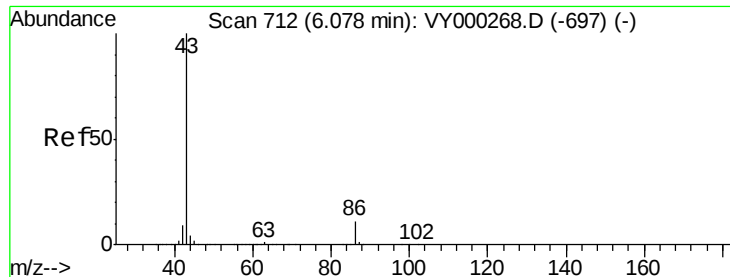
45 100

43 58.7 48.5 72.7

87 29.4 21.5 32.3

59 12.0 9.4 14.0





#23

Vinyl Acetate

Concen: 99.205 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

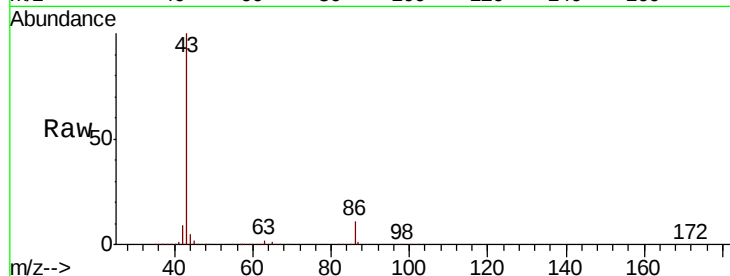
ClientSampleId :

Tot Ion: 43 Resp: 716620

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

250000

200000

150000

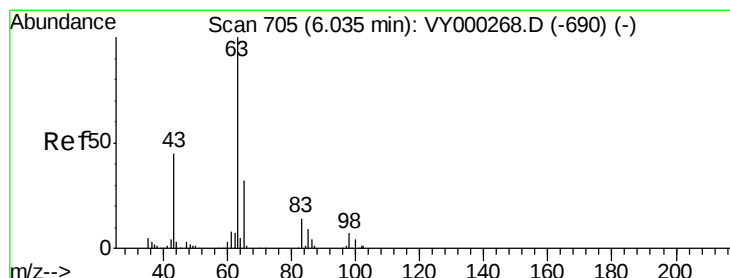
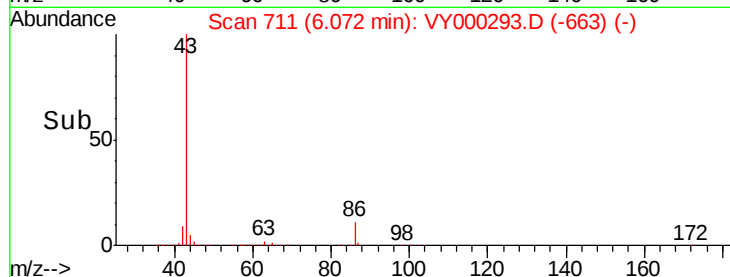
100000

50000

0

Time-->

5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 20.287 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

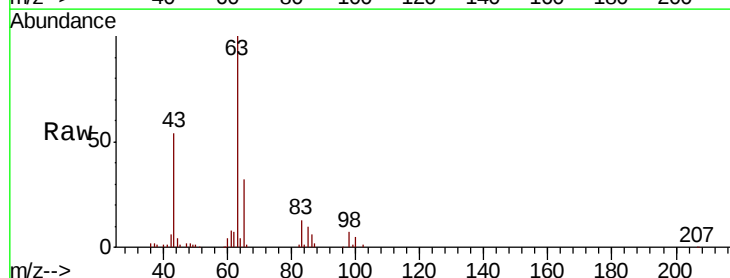
Tgt Ion: 63 Resp: 122613

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 4.8 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

50000

40000

30000

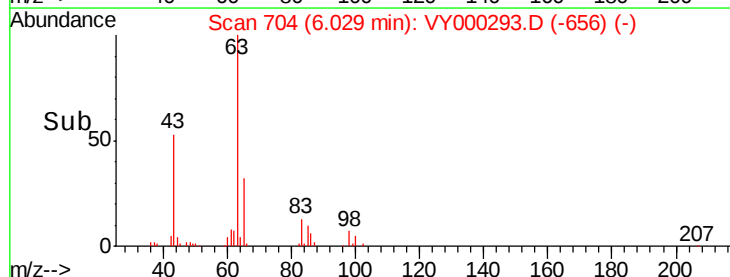
20000

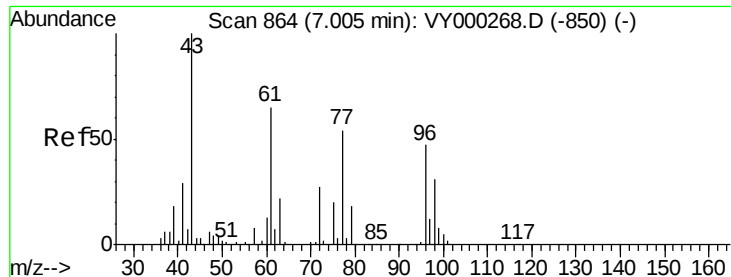
10000

0

Time-->

5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 90.888 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

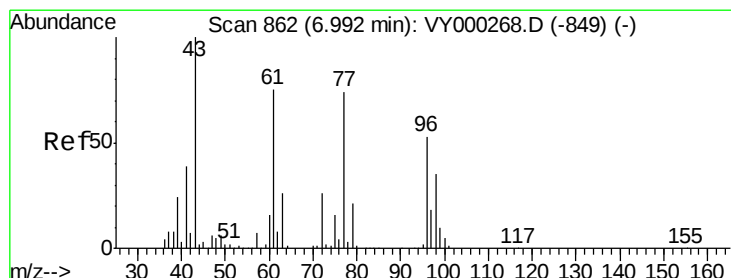
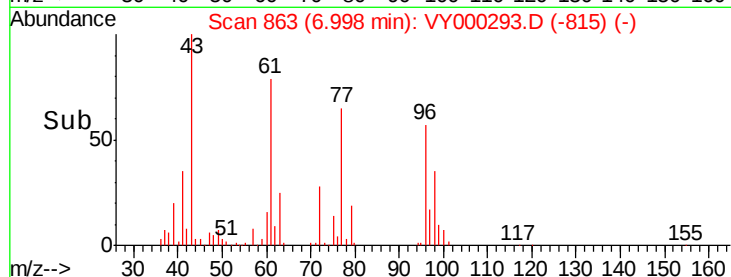
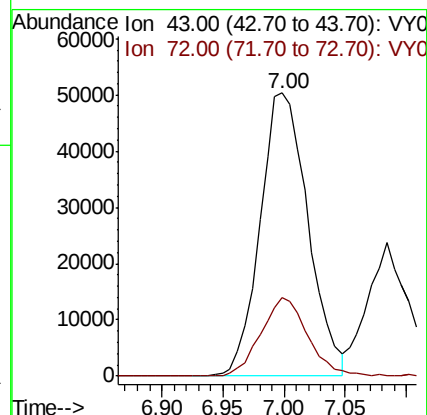
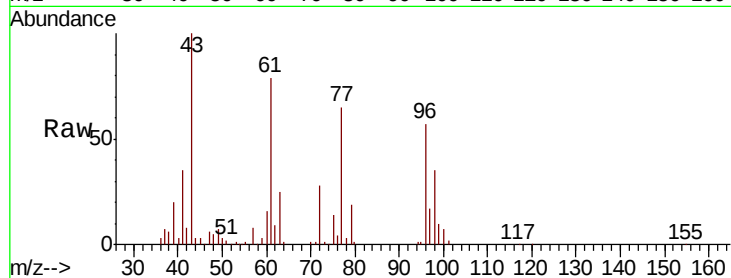
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 136804

Ion Ratio Lower Upper

43 100

72 27.8 21.4 32.2



#26

2,2-Dichloropropane

Concen: 19.539 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000293.D

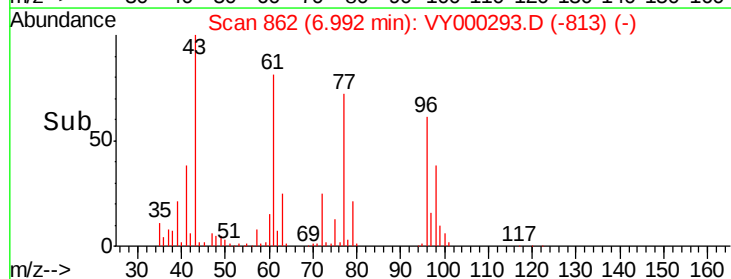
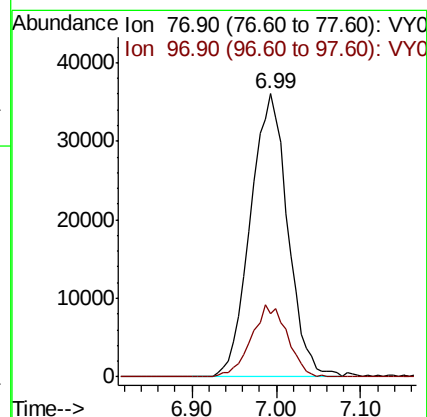
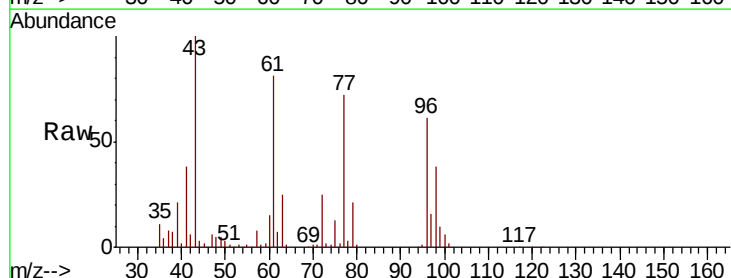
Acq: 14 Oct 2019 12:54

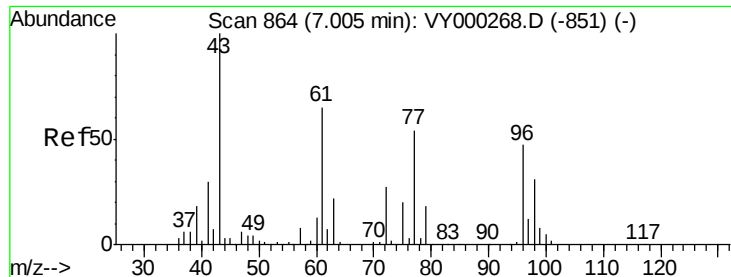
Tgt Ion: 77 Resp: 108816

Ion Ratio Lower Upper

77 100

97 24.5 11.6 34.7



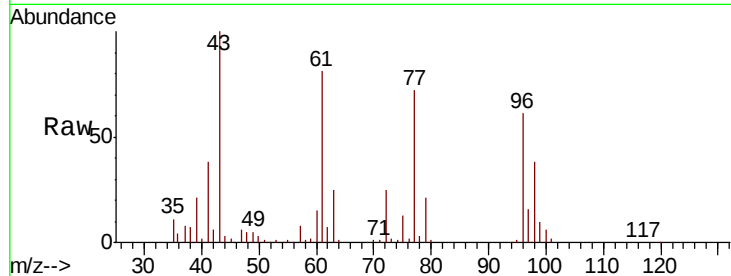


#27

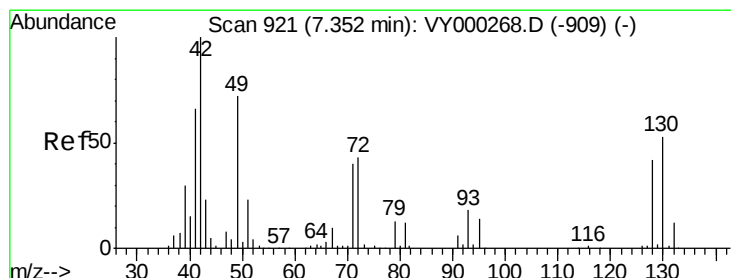
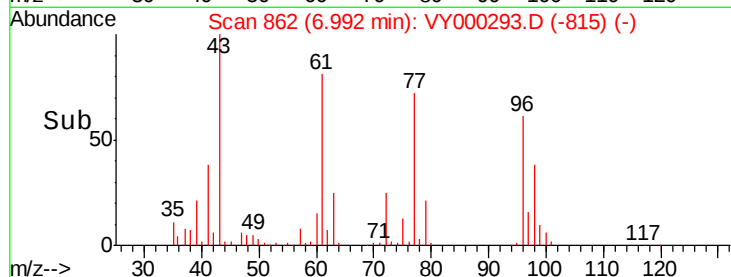
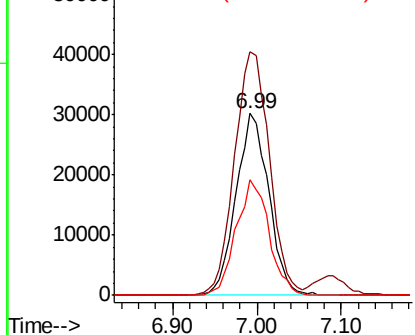
cis-1,2-Dichloroethene
Concen: 20.268 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 79492
Ion Ratio Lower Upper
96 100
61 142.8 0.0 289.8
98 63.5 0.0 131.8



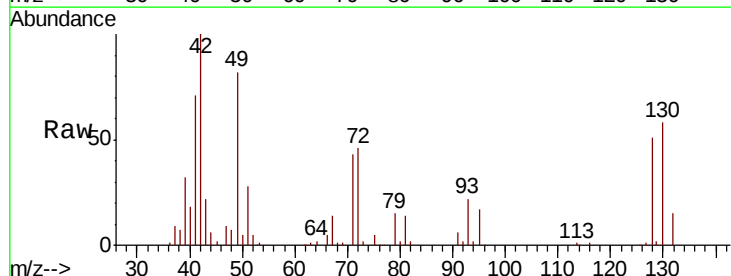
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



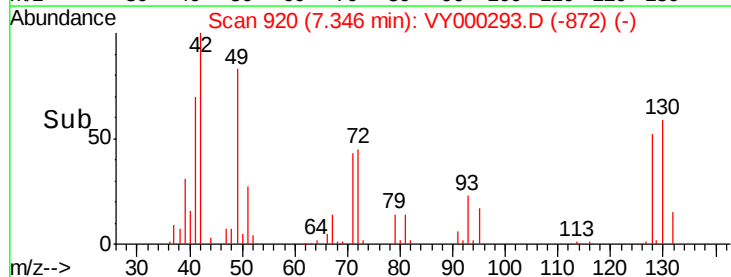
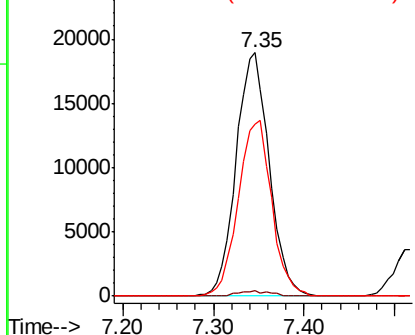
#28

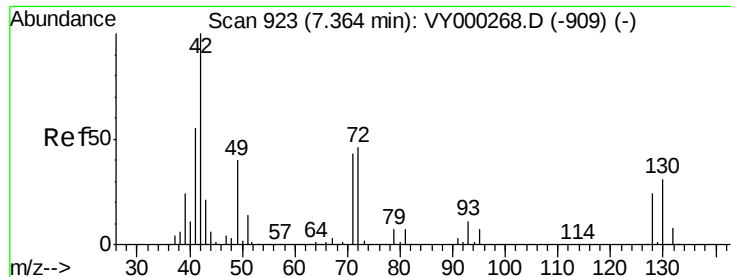
Bromochloromethane
Concen: 18.490 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 49 Resp: 47972
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 72.5 58.2 87.2



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

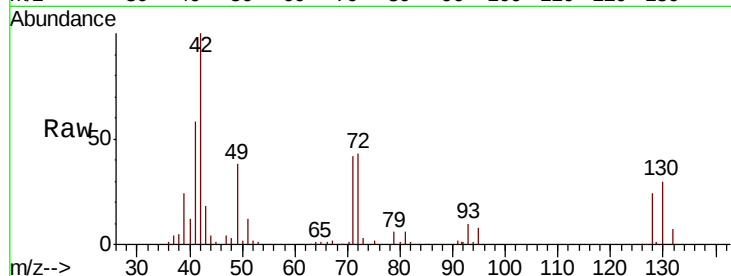




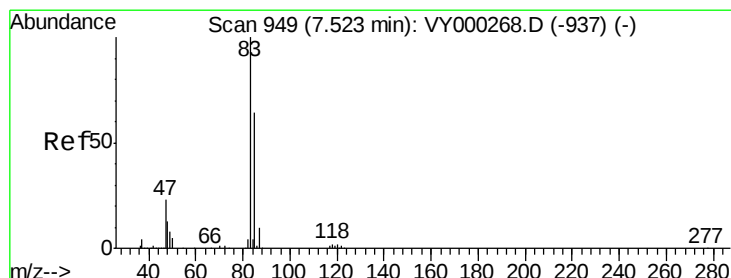
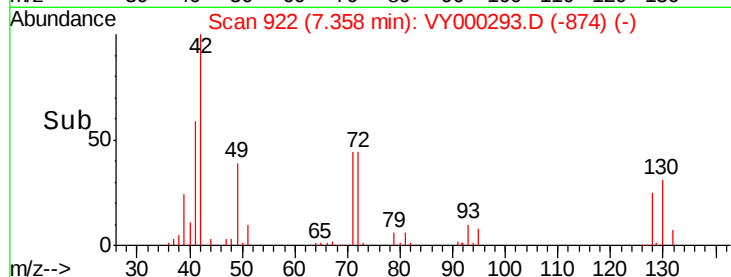
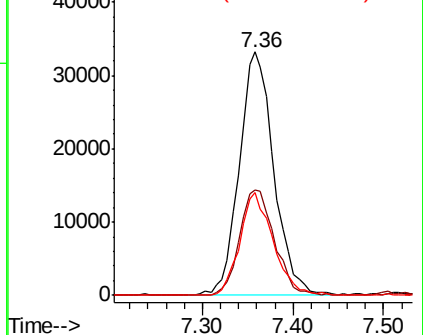
#29
Tetrahydrofuran
Concen: 96.056 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 87623
Ion Ratio Lower Upper
42 100
72 43.6 34.5 51.7
71 40.9 32.7 49.1

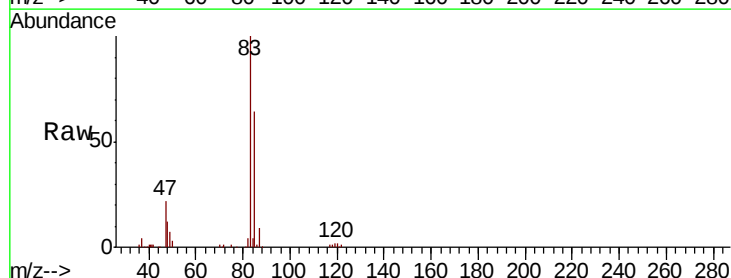


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

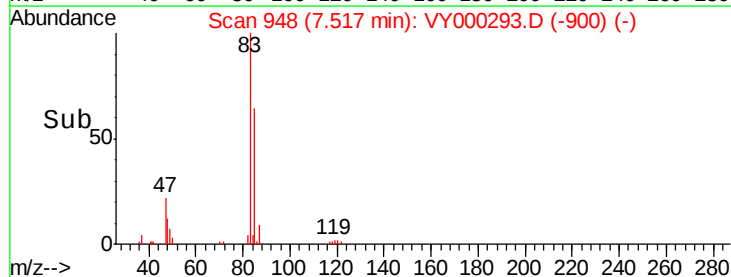
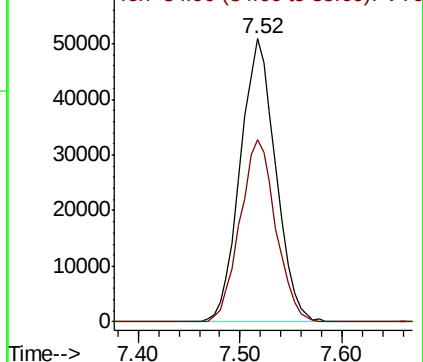


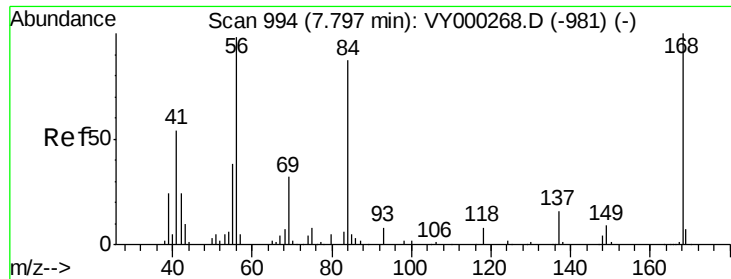
#30
Chloroform
Concen: 20.174 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 83 Resp: 122790
Ion Ratio Lower Upper
83 100
85 64.4 51.4 77.2



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

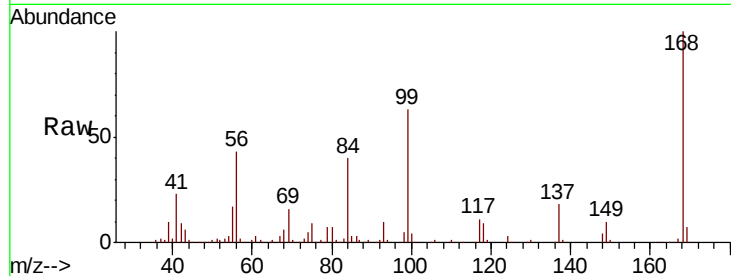




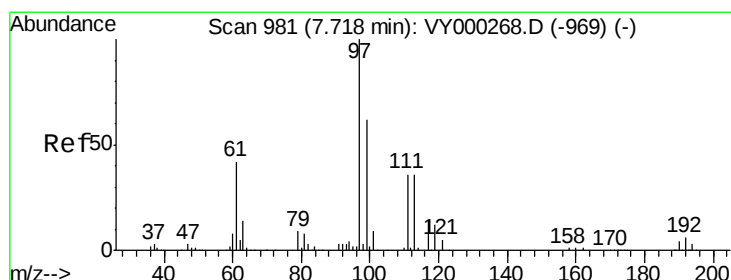
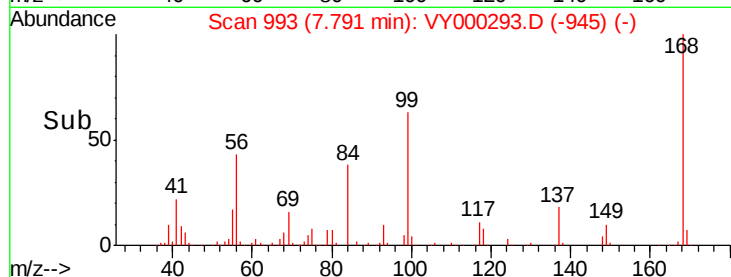
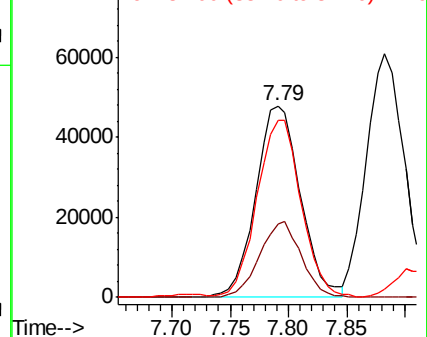
#31
Cyclohexane
Concen: 20.244 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 127788
Ion Ratio Lower Upper
56 100
69 38.3 26.3 39.5
84 91.4 70.8 106.2

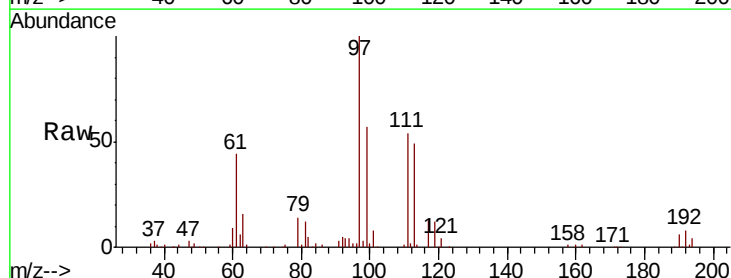


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

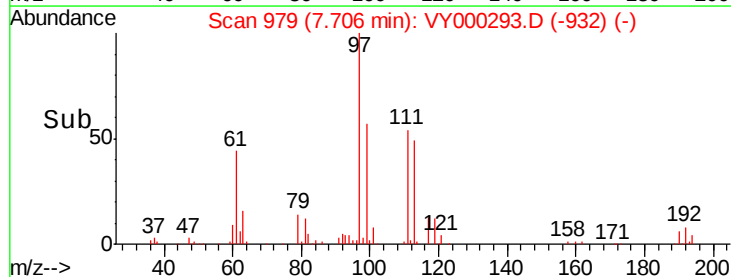
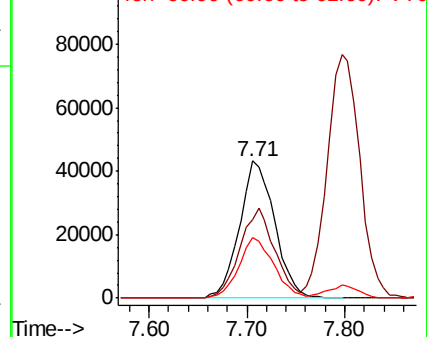


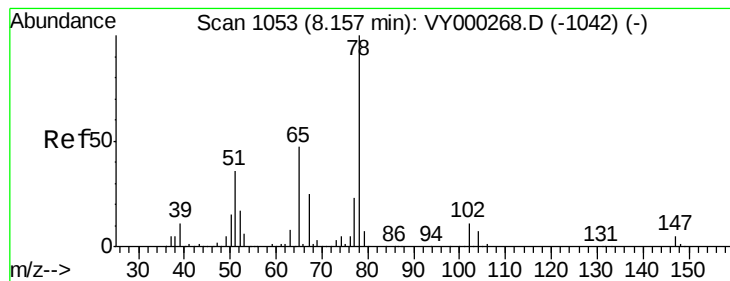
#32
1,1,1-Trichloroethane
Concen: 19.929 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 97 Resp: 107843
Ion Ratio Lower Upper
97 100
99 64.7 51.7 77.5
61 43.7 34.5 51.7



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: 50.975 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

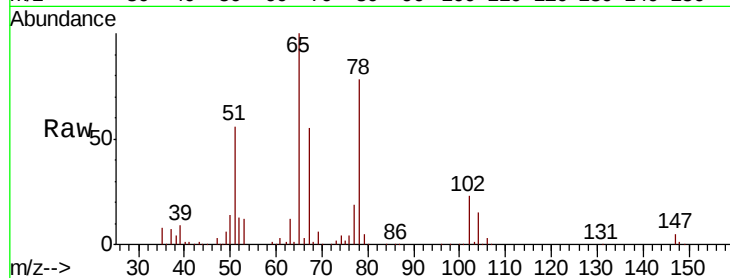
ClientSampleId :

Tot Ion: 65 Resp: 168190

Ion Ratio Lower Upper

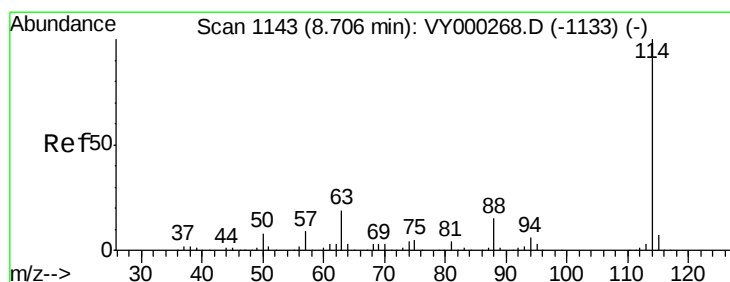
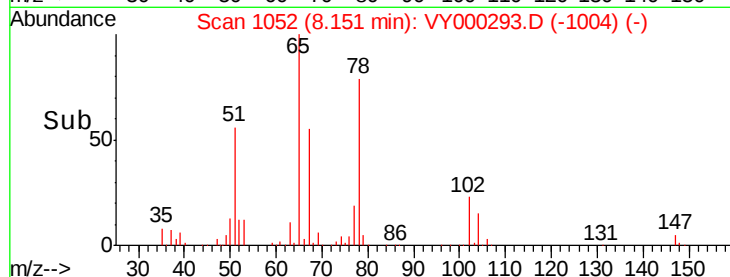
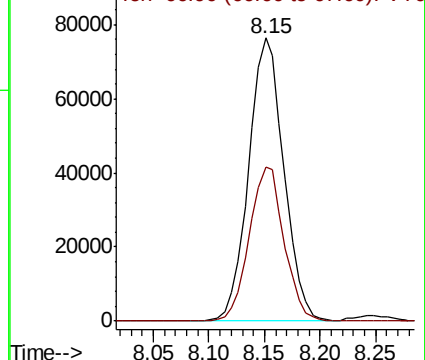
65 100

67 53.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

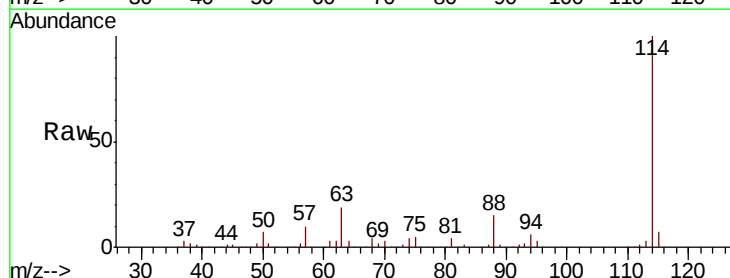
Tgt Ion: 114 Resp: 522157

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.2

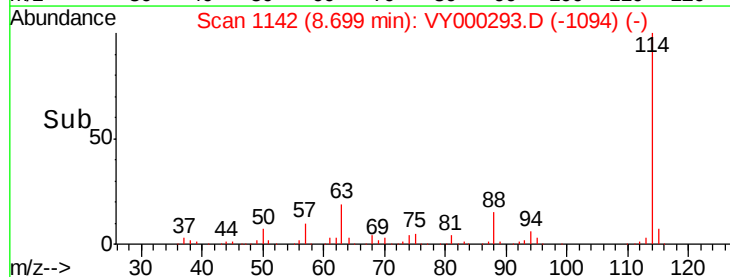
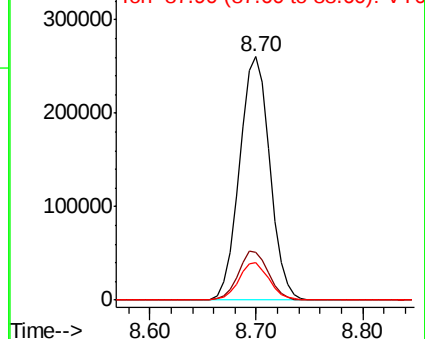
88 15.2 0.0 30.2

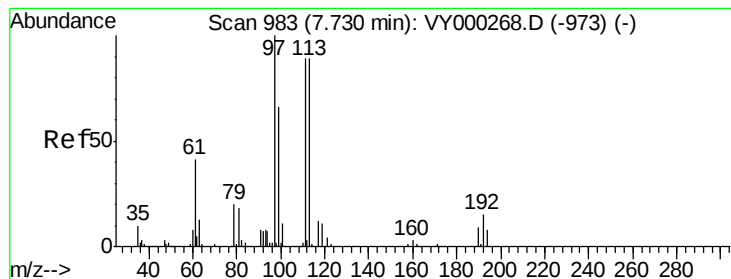


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 47.539 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :

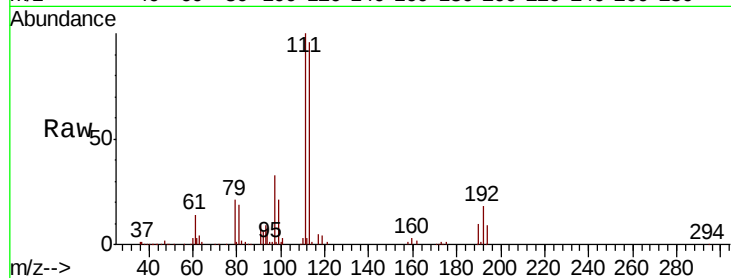
Tot Ion:113 Resp: 149735

Ion Ratio Lower Upper

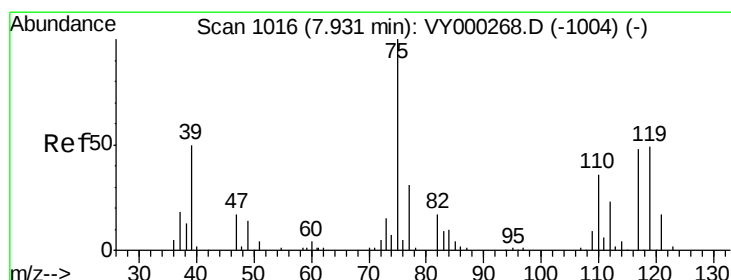
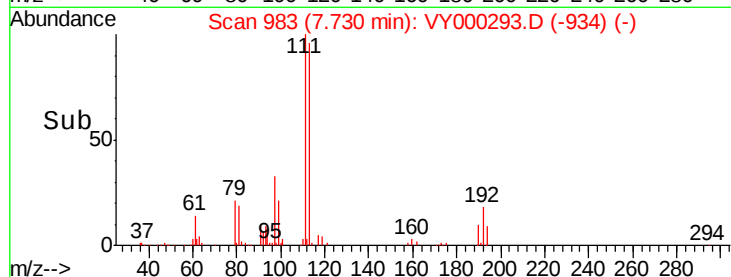
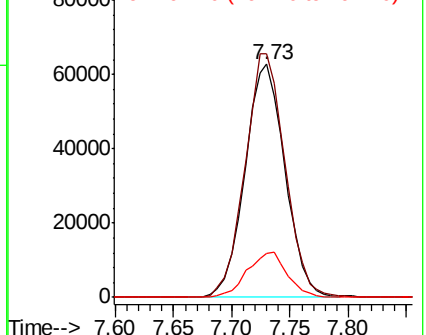
113 100

111 104.6 81.6 122.4

192 19.3 15.3 22.9



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: 19.528 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

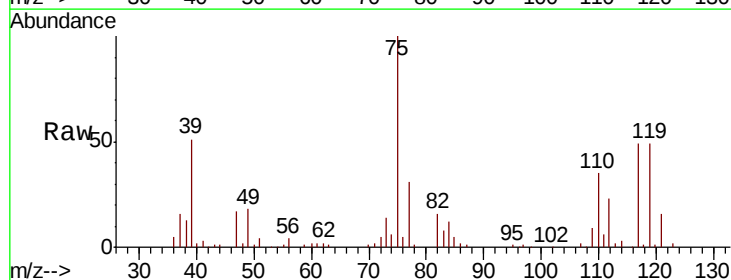
Tgt Ion: 75 Resp: 99833

Ion Ratio Lower Upper

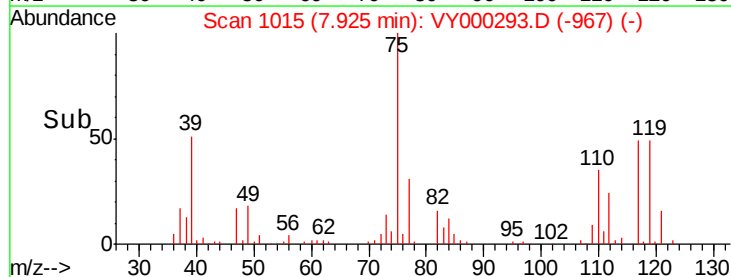
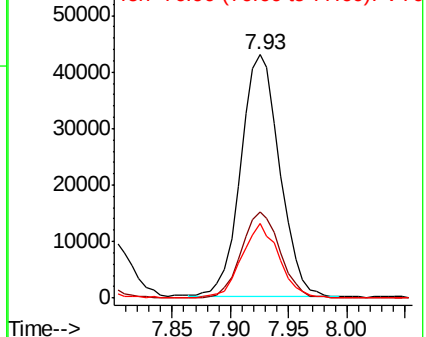
75 100

110 35.1 18.4 55.4

77 29.5 25.0 37.6



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

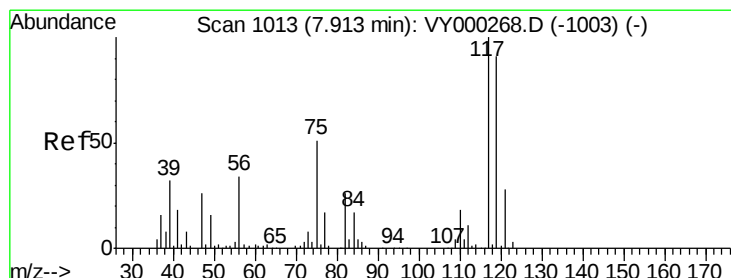
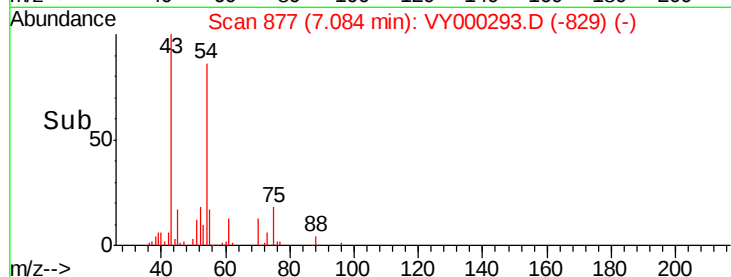
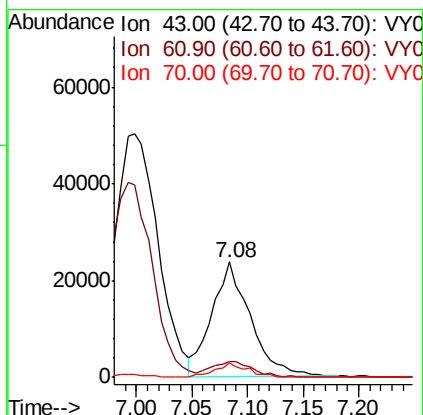
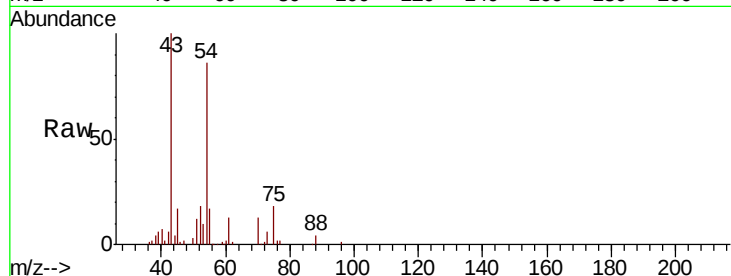




#37
Ethyl Acetate
Concen: 18.765 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

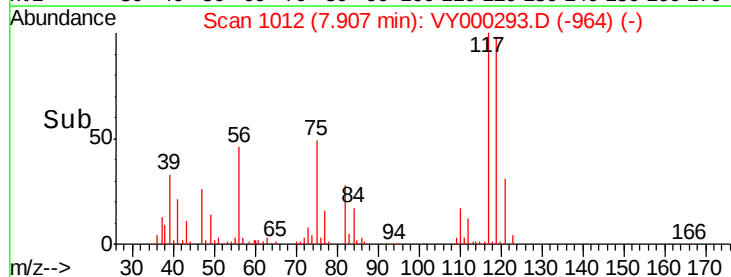
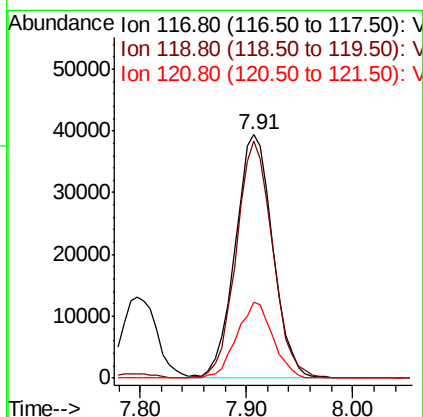
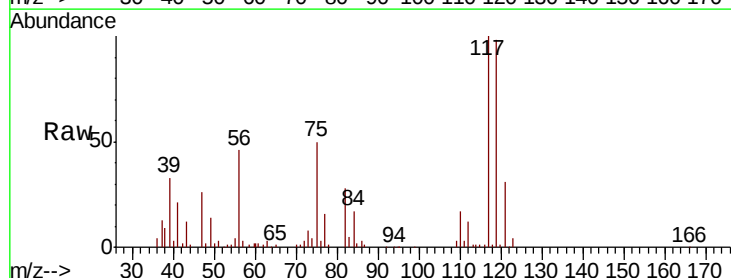
Instrument :
MSVOA_Y
ClientSampleId :

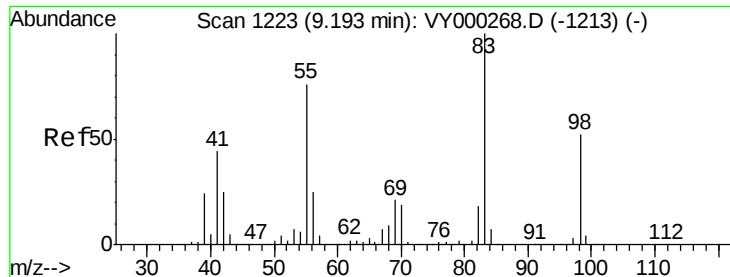
Tot Ion: 43 Resp: 56802
Ion Ratio Lower Upper
43 100
61 15.3 12.1 18.1
70 11.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 19.687 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 117 Resp: 97449
Ion Ratio Lower Upper
117 100
119 97.6 72.8 109.2
121 31.4 22.2 33.2

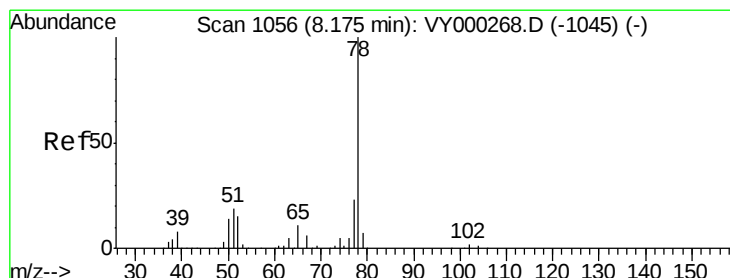
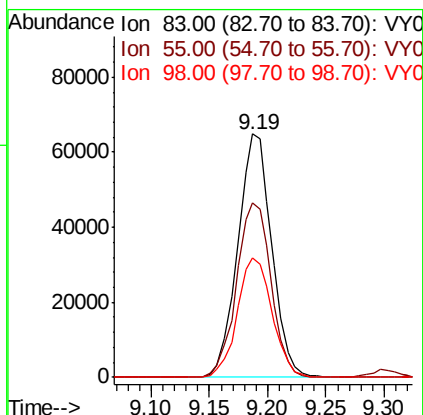
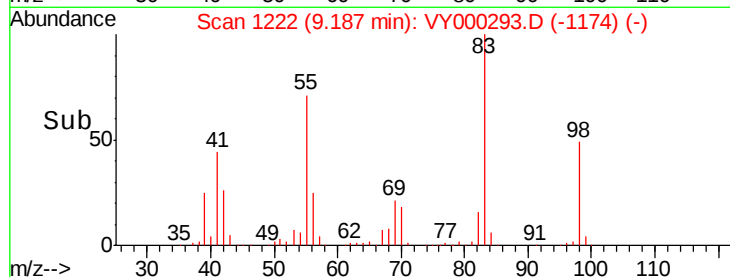
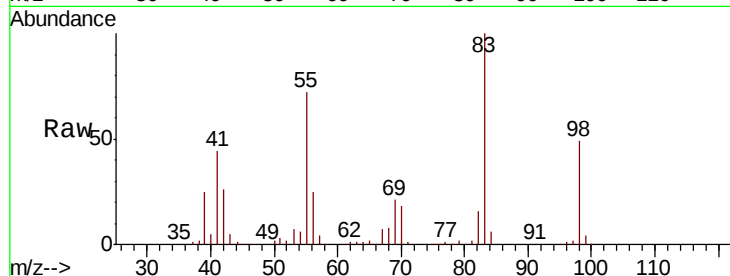




#39
Methvlcvclohexane
Concen: 19.646 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

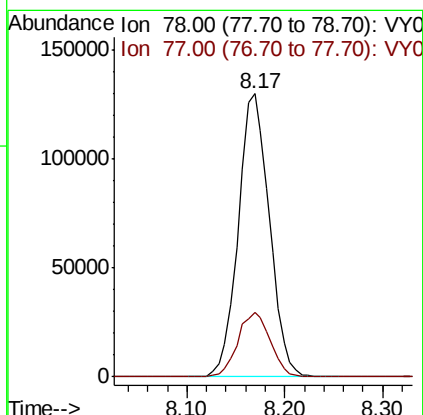
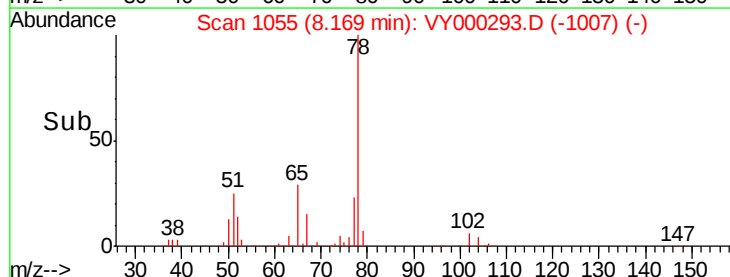
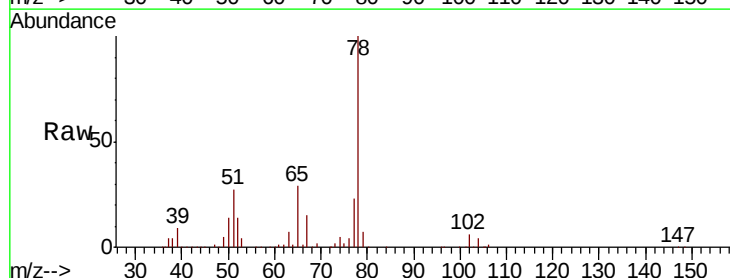
Instrument :
MSVOA_Y
ClientSampleId :

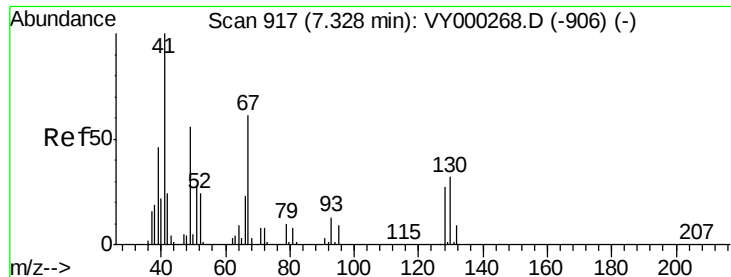
Tot Ion: 83 Resp: 131453
Ion Ratio Lower Upper
83 100
55 71.6 60.9 91.3
98 49.1 41.8 62.6



#40
Benzene
Concen: 19.408 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 78 Resp: 286735
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

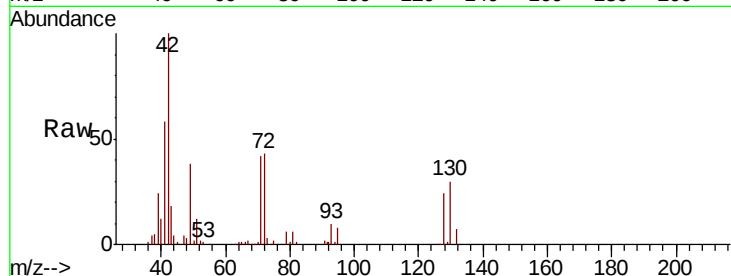




#41
Methacrylonitrile
Concen: 55.554 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.03 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	110.2	165.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



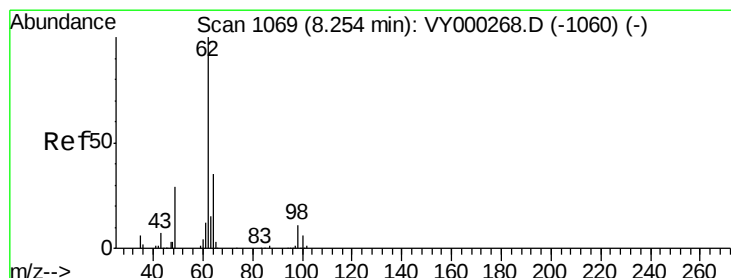
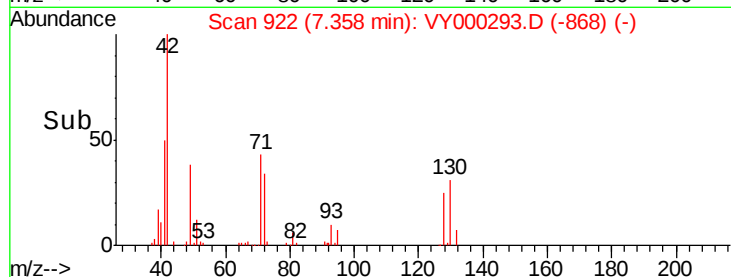
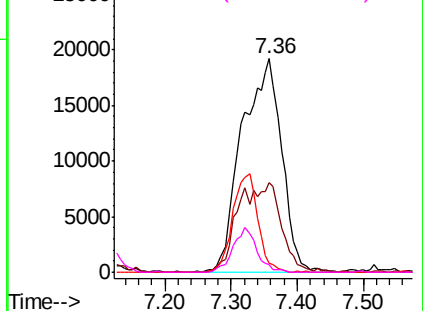
Abundance

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

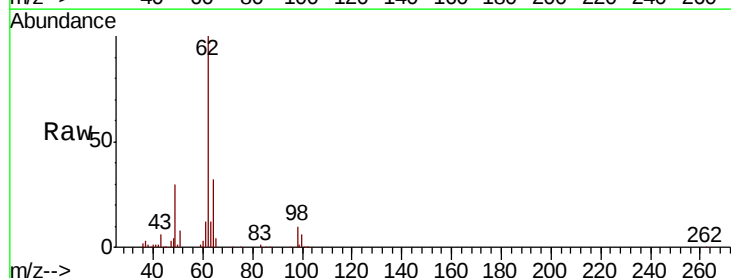
Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42
1,2-Dichloroethane
Concen: 20.115 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

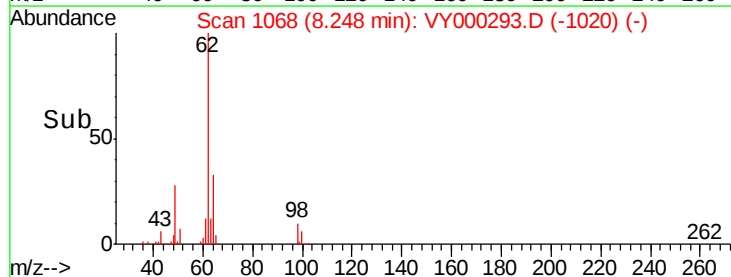
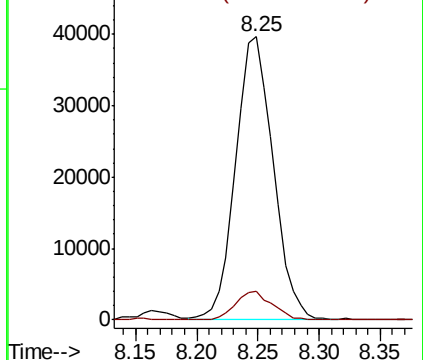
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6

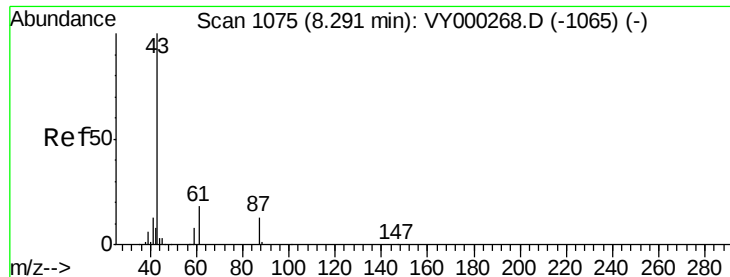


Abundance

Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 18.886 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

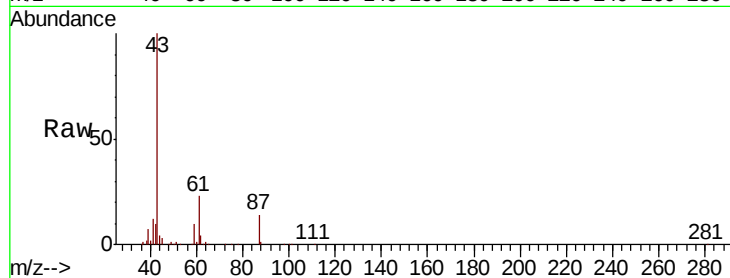
Tot Ion: 43 Resp: 108700

Ion Ratio Lower Upper

43 100

61 29.6 22.3 33.5

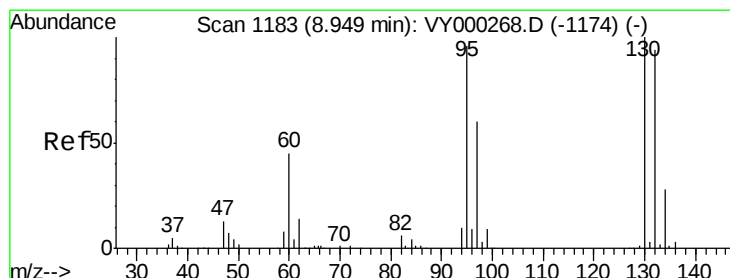
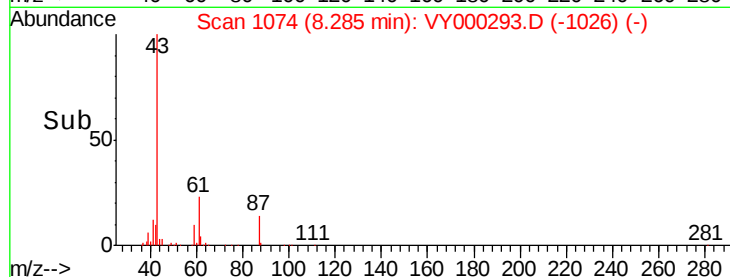
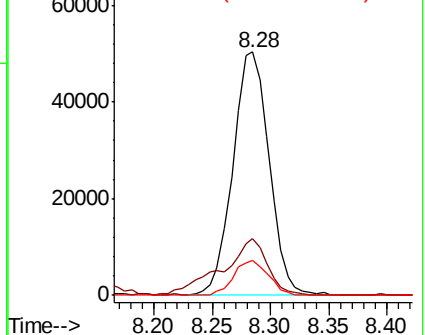
87 13.8 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VY000268.D (-1065) (-)

Ion 61.00 (60.70 to 61.70): VY000268.D (-1065) (-)

Ion 87.00 (86.70 to 87.70): VY000268.D (-1065) (-)



#44

Trichloroethene

Concen: 18.993 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY000293.D

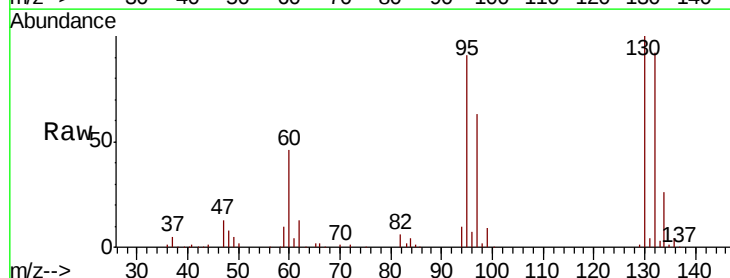
Acq: 14 Oct 2019 12:54

Tgt Ion: 130 Resp: 78730

Ion Ratio Lower Upper

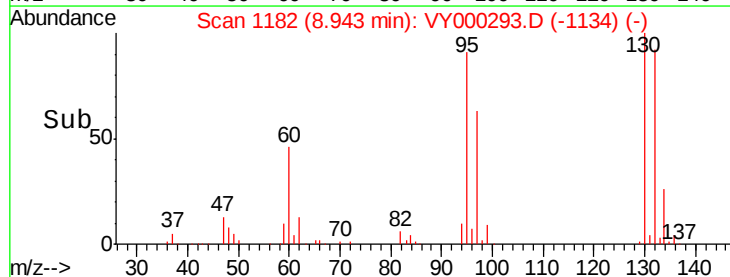
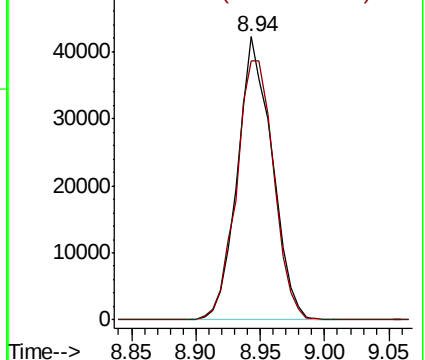
130 100

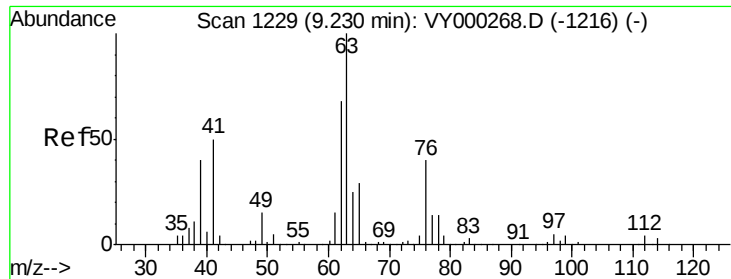
95 91.4 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VY000268.D (-1174) (-)

Ion 94.90 (94.60 to 95.60): VY000268.D (-1174) (-)

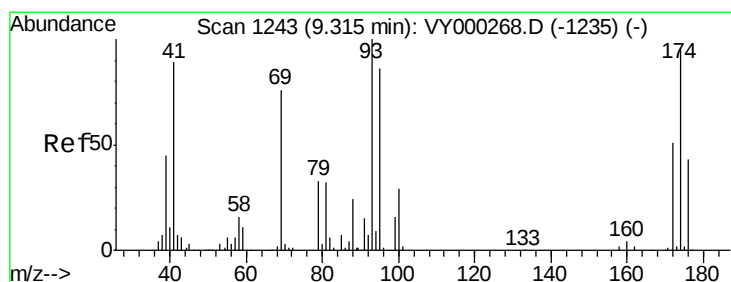
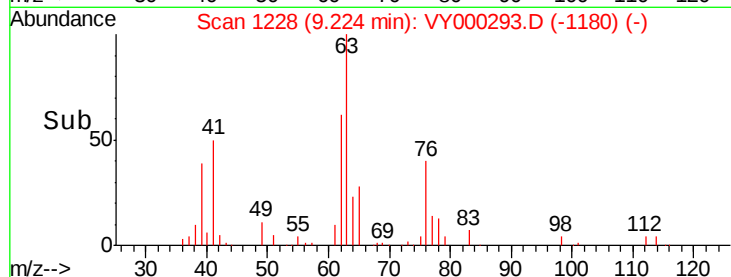
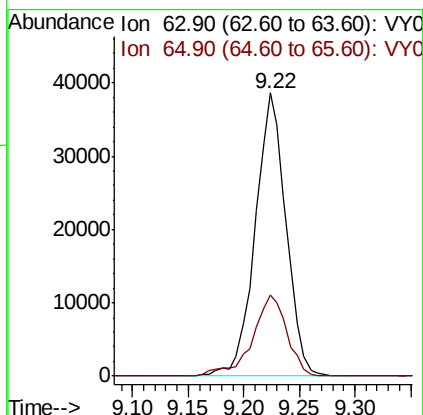
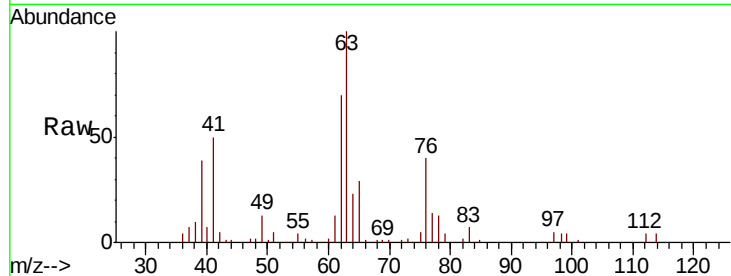




#45
 1,2-Dichloropropane
 Concen: 20.470 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

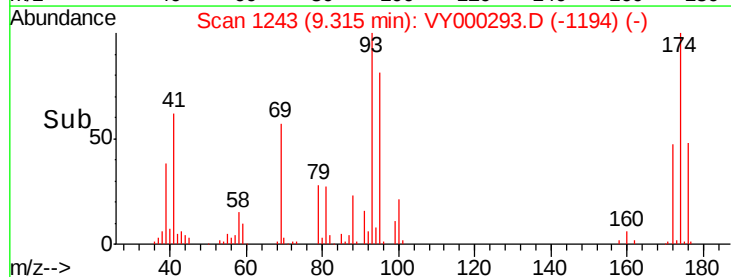
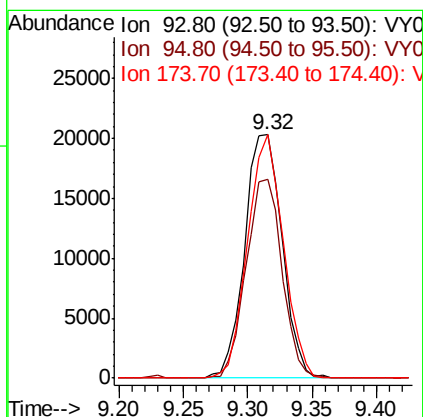
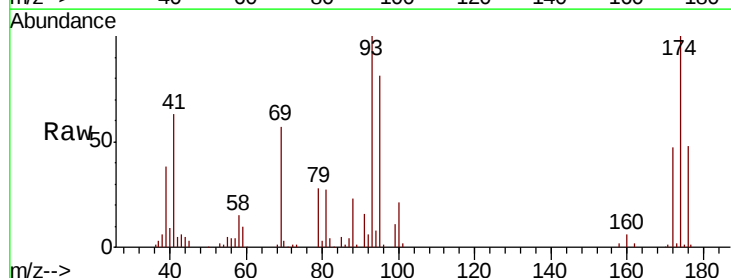
Instrument :
 MSVOA_Y
 ClientSampleId :

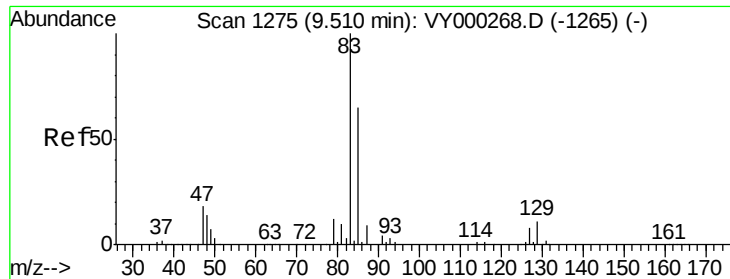
Tot Ion: 63 Resp: 74216
 Ion Ratio Lower Upper
 63 100
 65 28.8 23.2 34.8



#46
 Dibromomethane
 Concen: 20.089 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion: 93 Resp: 40715
 Ion Ratio Lower Upper
 93 100
 95 78.3 68.2 102.2
 174 95.0 79.8 119.6





#47

Bromodichloromethane

Concen: 19.852 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

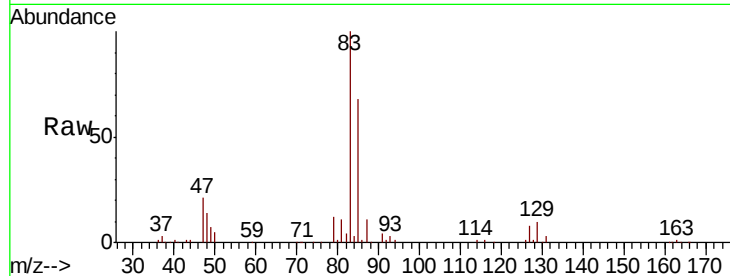
Tot Ion: 83 Resp: 94820

Ion Ratio Lower Upper

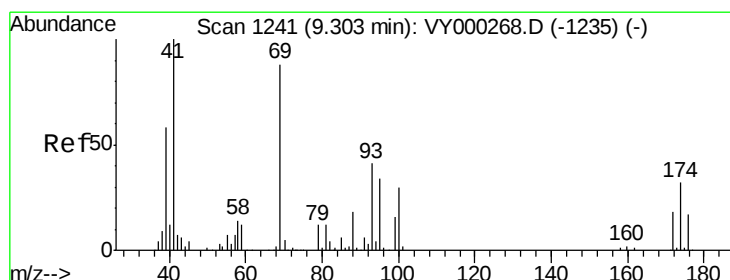
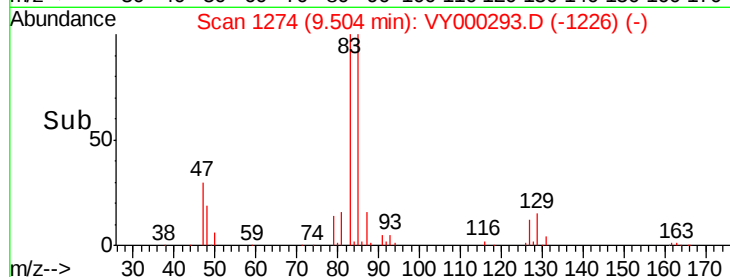
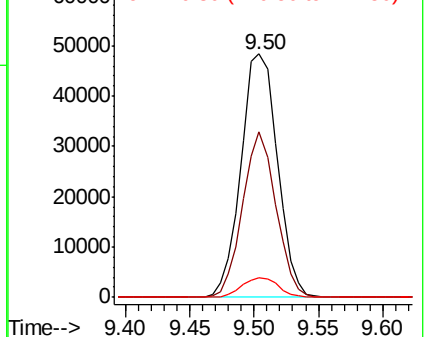
83 100

85 67.9 52.2 78.2

127 7.8 6.3 9.5



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



#48

Methyl methacrylate

Concen: 19.242 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

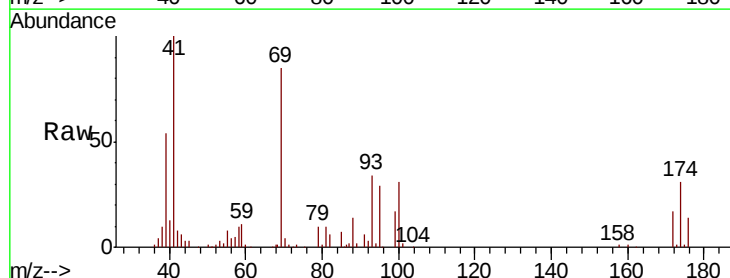
Tgt Ion: 41 Resp: 48538

Ion Ratio Lower Upper

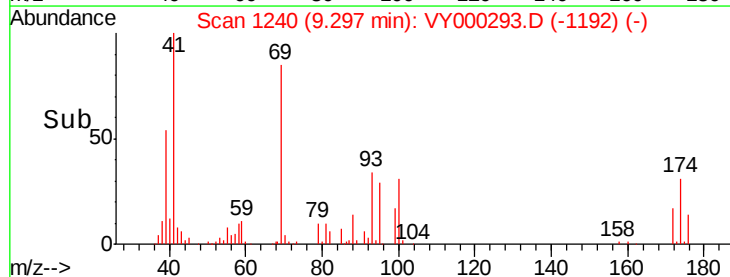
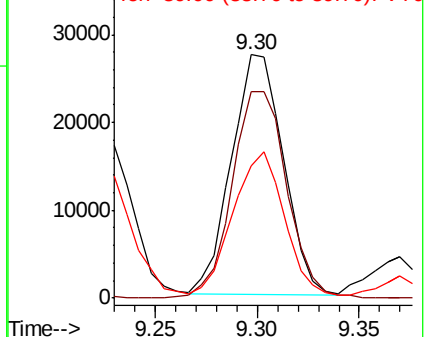
41 100

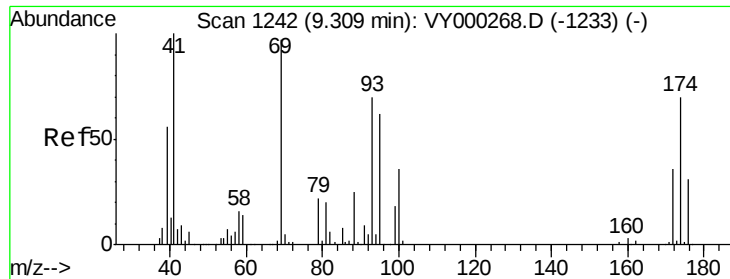
69 90.4 70.0 105.0

39 61.5 47.7 71.5



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

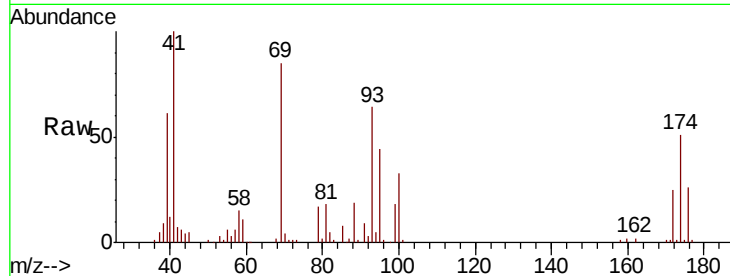




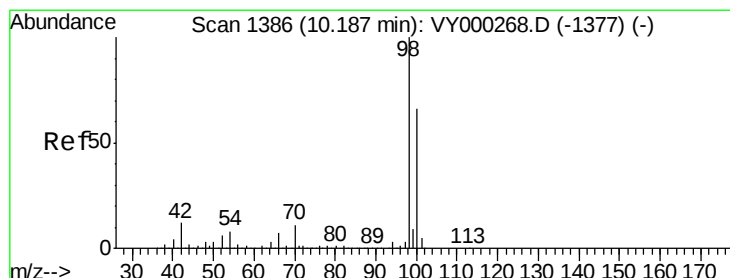
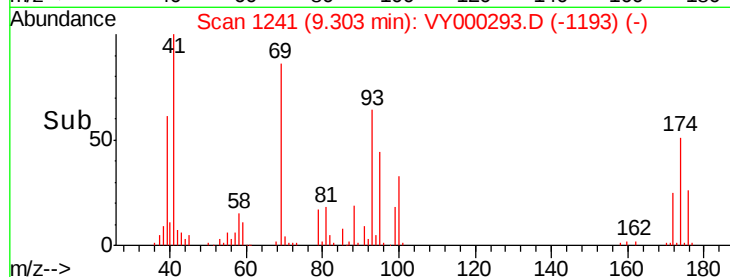
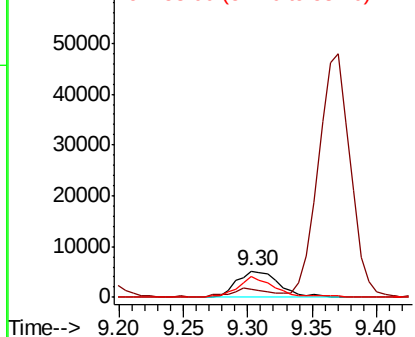
#49
1,4-Dioxane
Concen: 387.021 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 88 Resp: 11761
Ion Ratio Lower Upper
88 100
43 33.0 25.6 38.4
58 70.0 54.6 81.8

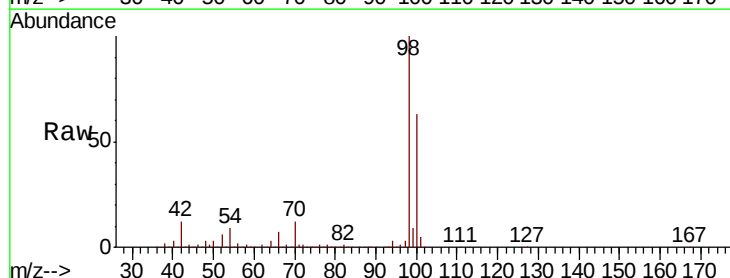


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

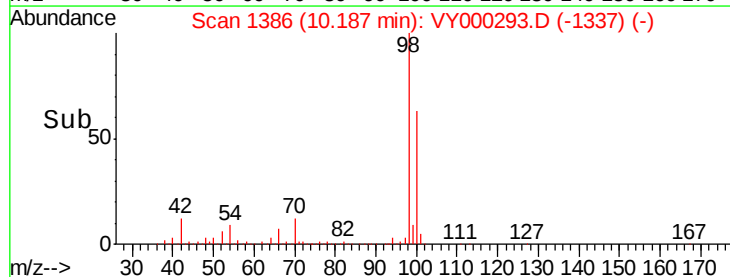
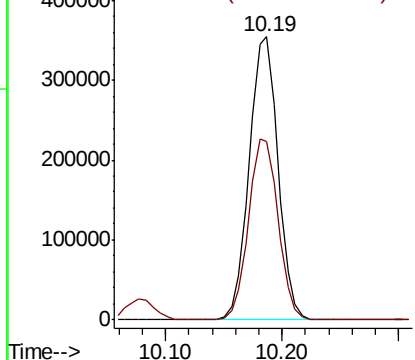


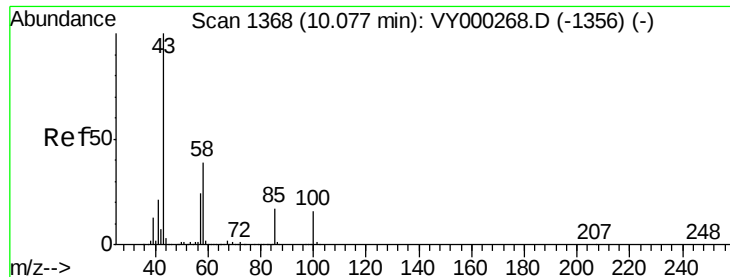
#50
Toluene-d8
Concen: 50.663 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 98 Resp: 613832
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



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

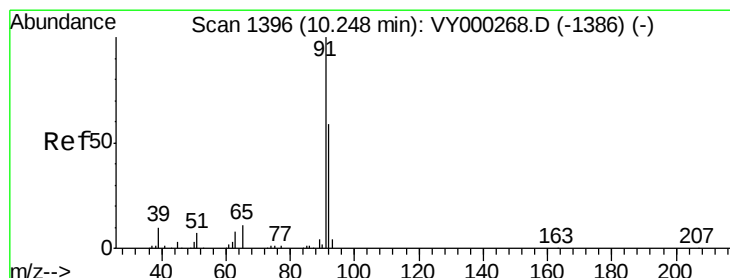
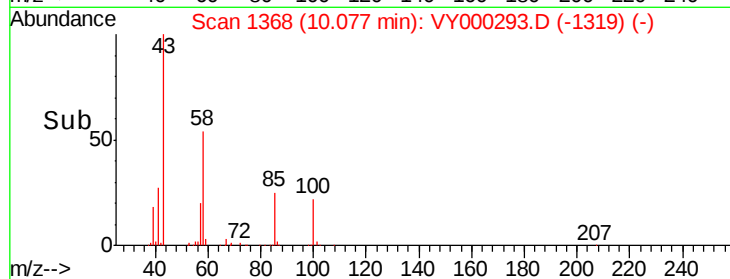
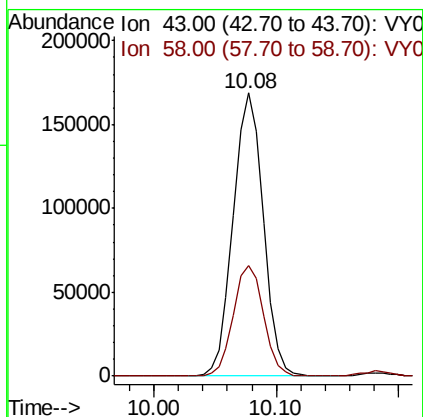
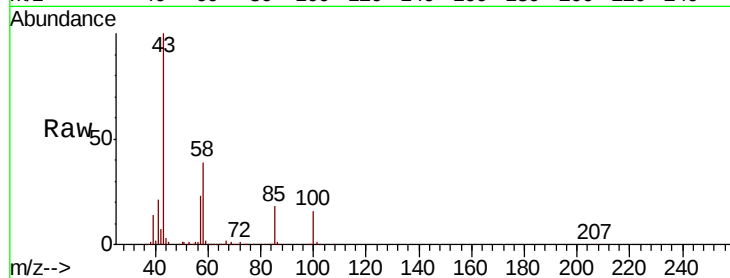




#51
 4-Methyl-2-Pentanone
 Concen: 97.029 ug/l
 RT: 10.08 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

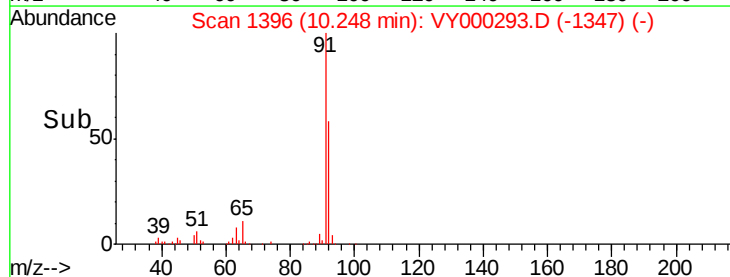
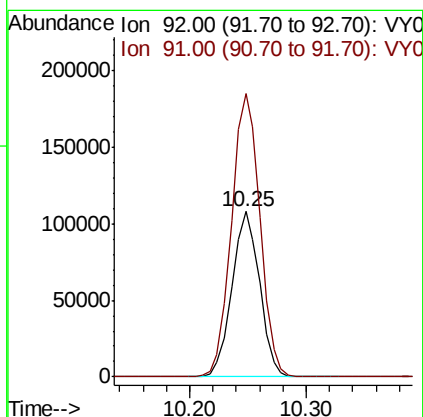
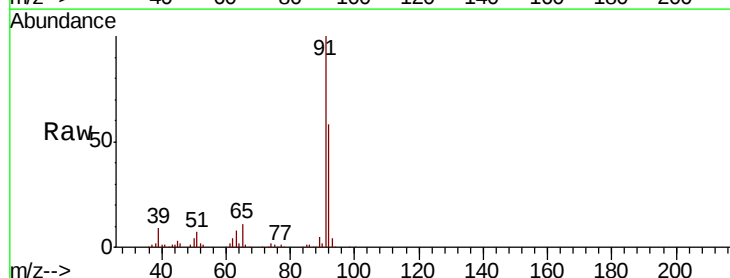
Instrument :
 MSVOA_Y
 ClientSampleId :

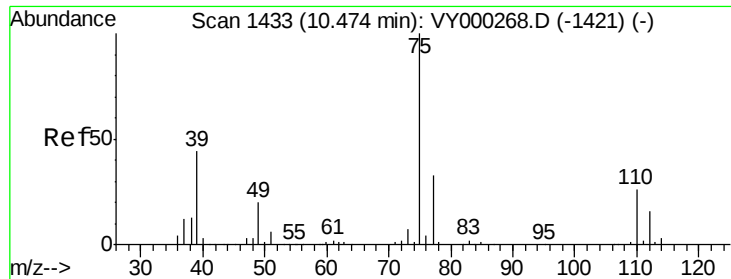
Tot Ion: 43 Resp: 288045
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.0 46.6



#52
 Toluene
 Concen: 19.045 ug/l
 RT: 10.25 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion: 92 Resp: 178636
 Ion Ratio Lower Upper
 92 100
 91 176.1 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 20.329 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

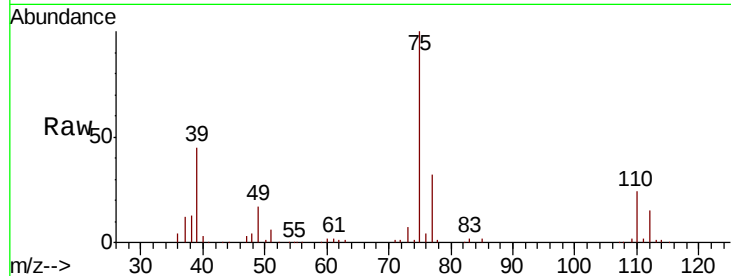
ClientSampleId :

Tot Ion: 75 Resp: 104064

Ion Ratio Lower Upper

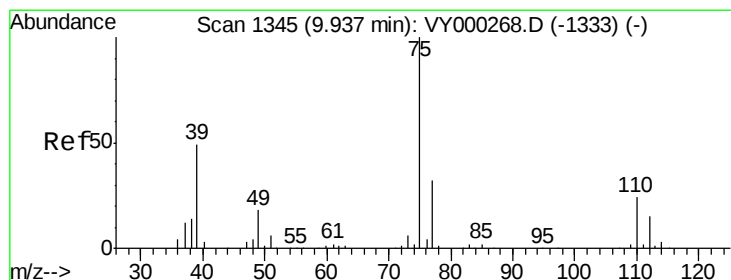
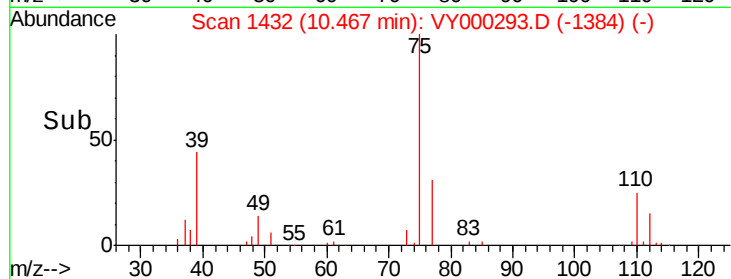
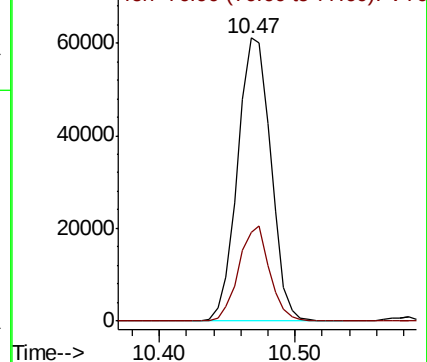
75 100

77 31.5 26.0 39.0



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: 20.150 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

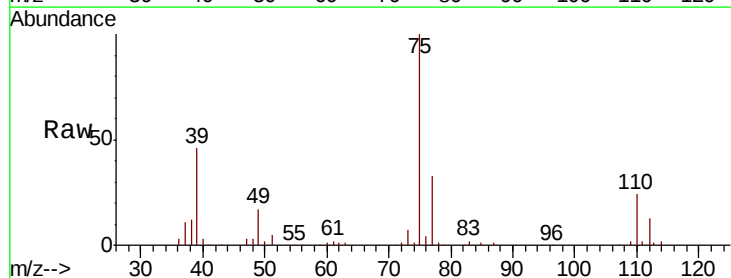
Tgt Ion: 75 Resp: 117139

Ion Ratio Lower Upper

75 100

77 33.3 26.0 39.0

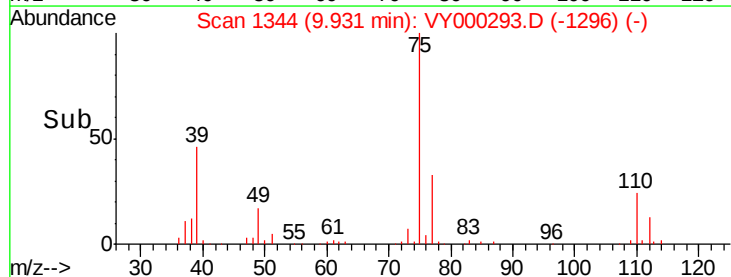
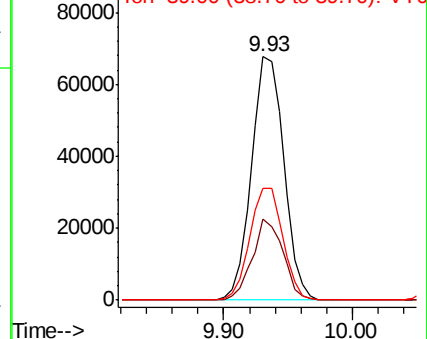
39 45.8 38.8 58.2

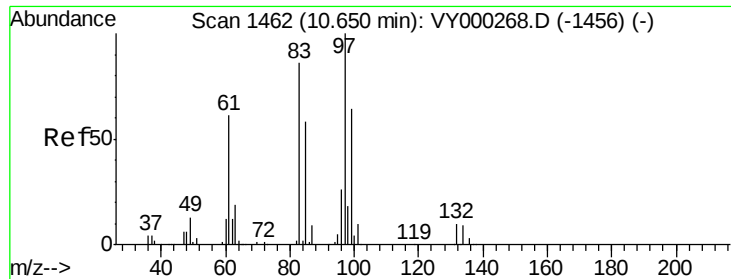


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

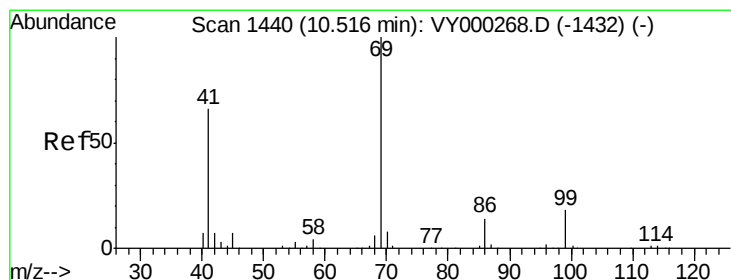
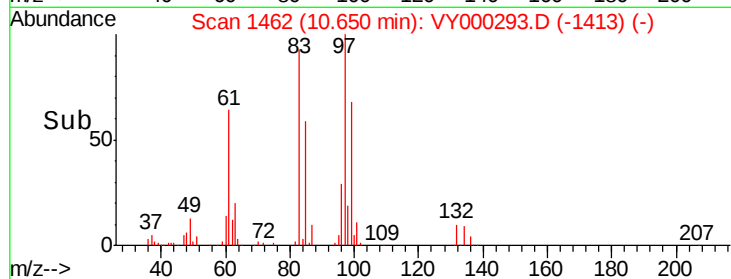
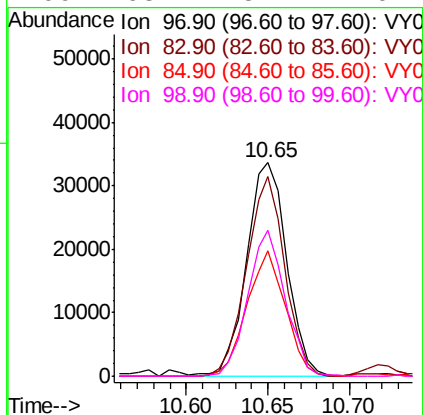
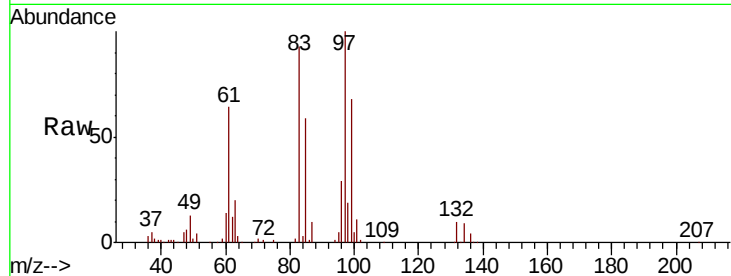




#55
 1,1,2-Trichloroethane
 Concen: 19.490 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

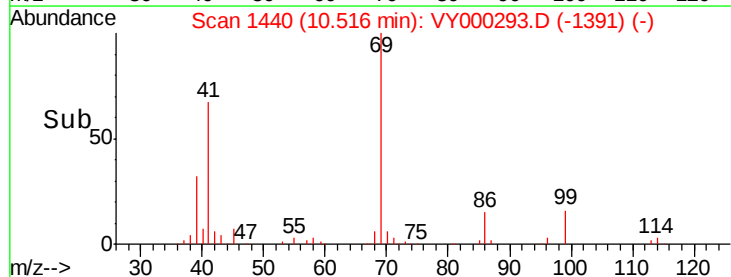
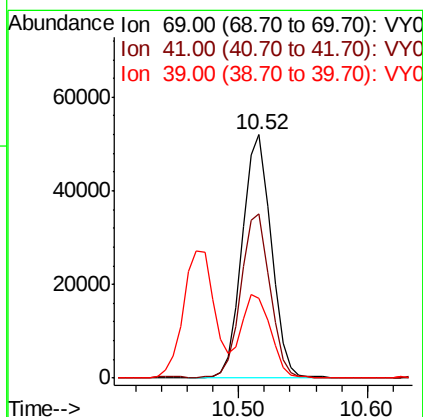
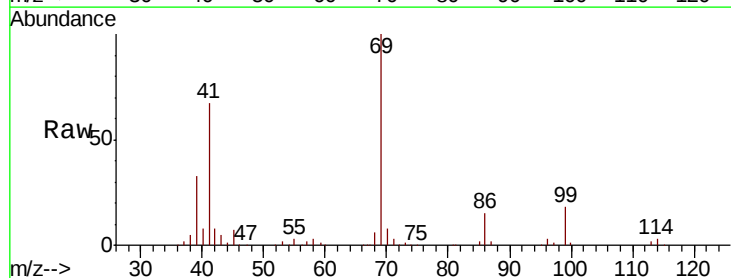
Instrument :
 MSVOA_Y
 ClientSampled :

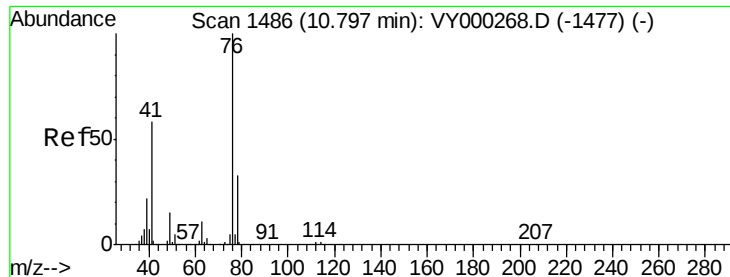
Tot Ion:	97	Resp:	57435
Ion	Ratio	Lower	Upper
97	100		
83	93.5	69.0	103.6
85	59.2	46.2	69.4
99	68.7	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 19.295 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion:	69	Resp:	81044
Ion	Ratio	Lower	Upper
69	100		
41	67.0	52.5	78.7
39	34.4	26.7	40.1





#57

1,3-Dichloropropane

Concen: 20.434 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

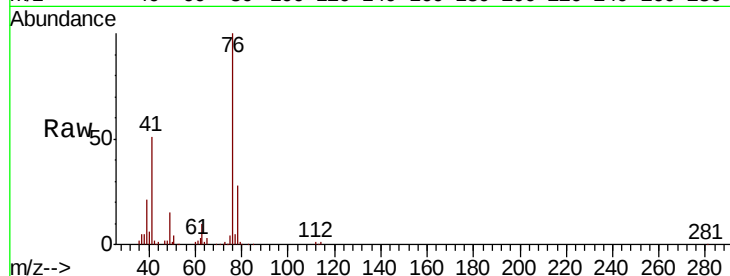
ClientSampleId :

Tot Ion: 76 Resp: 103412

Ion Ratio Lower Upper

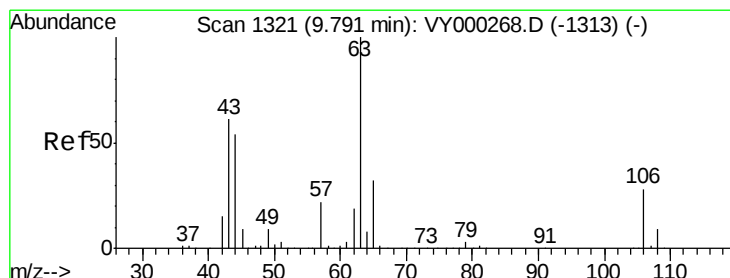
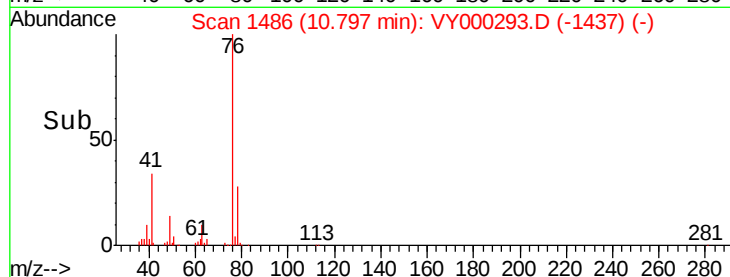
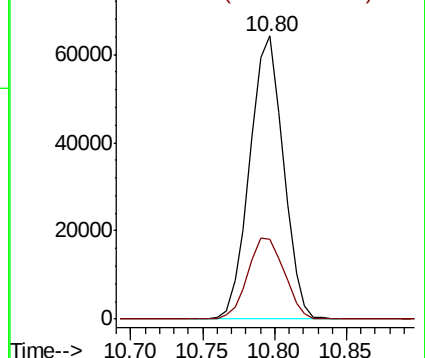
76 100

78 31.3 26.2 39.2



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: 120.969 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000293.D

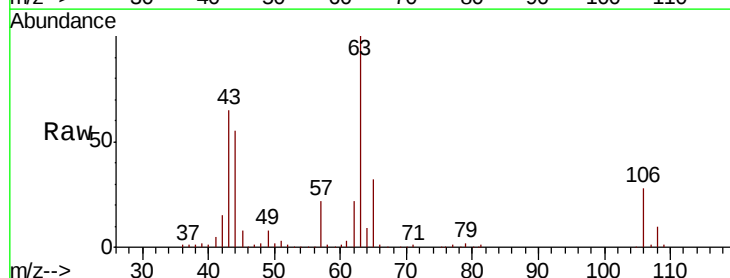
Acq: 14 Oct 2019 12:54

Tgt Ion: 63 Resp: 202666

Ion Ratio Lower Upper

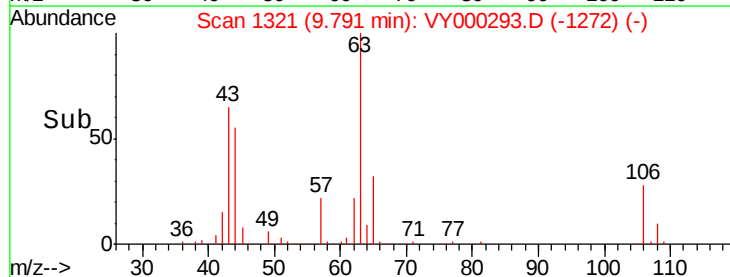
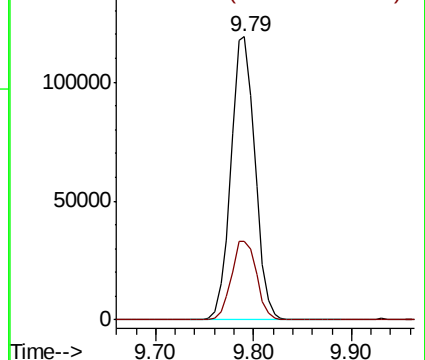
63 100

106 29.0 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

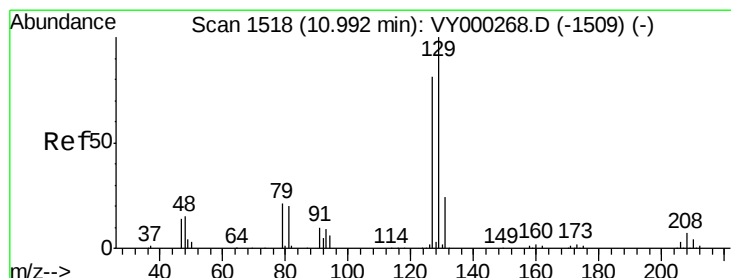
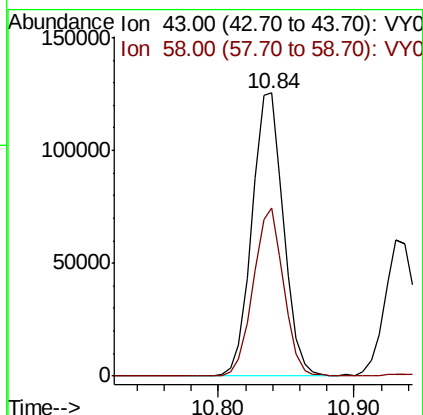
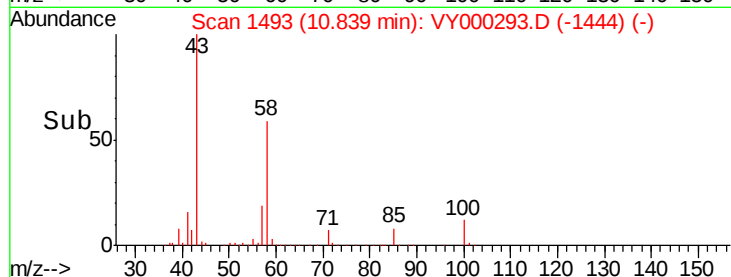
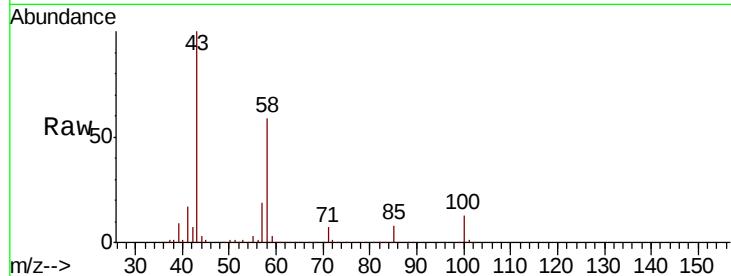




#59
2-Hexanone
Concen: 98.271 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

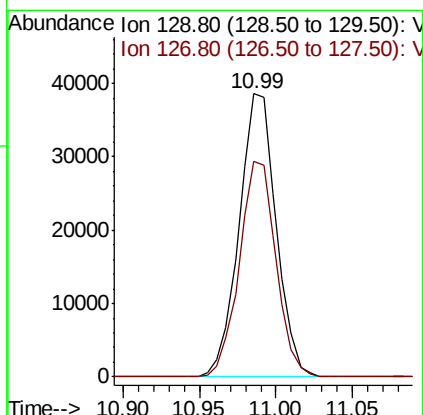
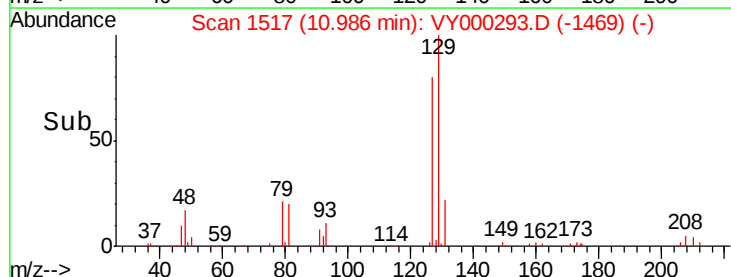
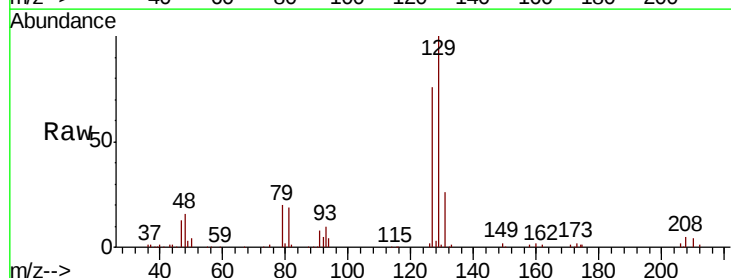
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 204770
Ion Ratio Lower Upper
43 100
58 57.0 27.7 83.1



#60
Dibromochloromethane
Concen: 19.834 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 129 Resp: 64781
Ion Ratio Lower Upper
129 100
127 75.3 39.9 119.7

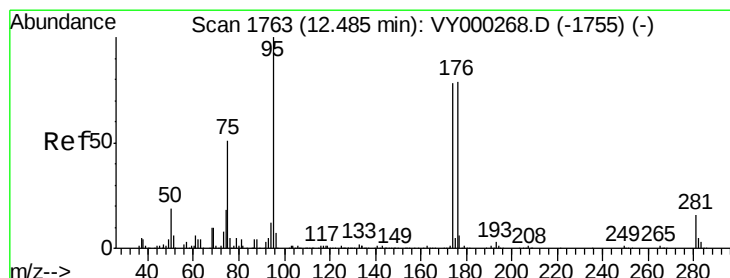
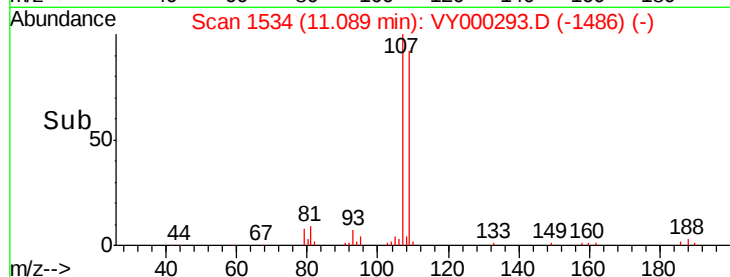
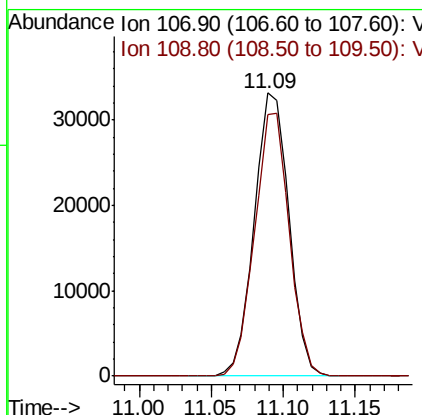
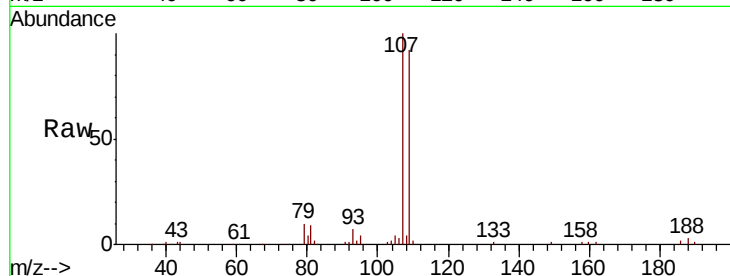




#61
 1,2-Dibromoethane
 Concen: 19.412 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

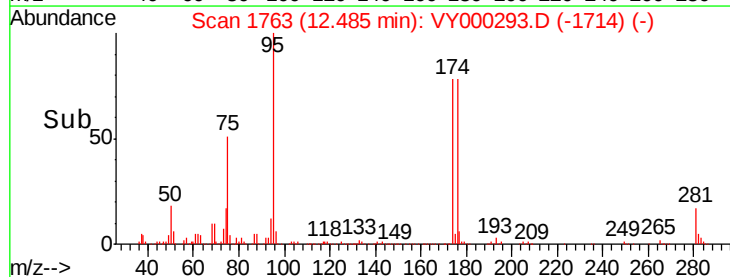
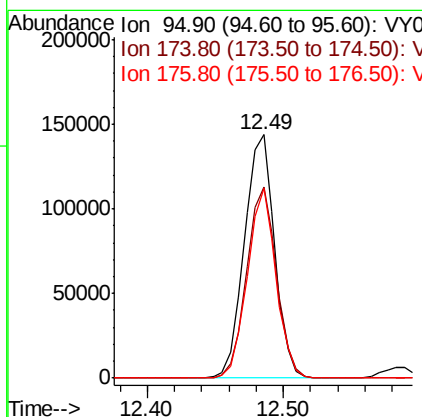
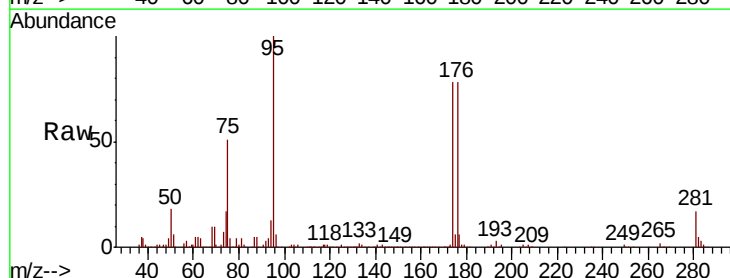
Instrument :
 MSVOA_Y
 ClientSampleId :

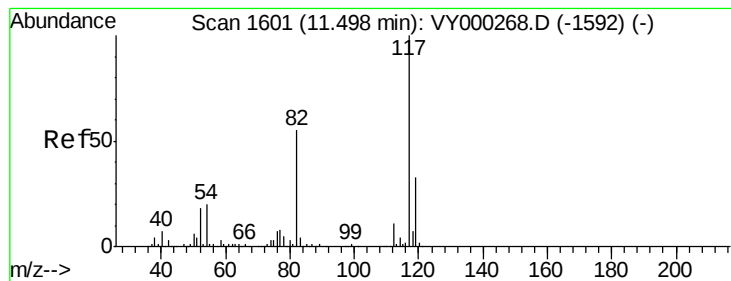
Tot Ion: 107 Resp: 54926
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 48.456 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion: 95 Resp: 223043
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 159.6
 176 74.0 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

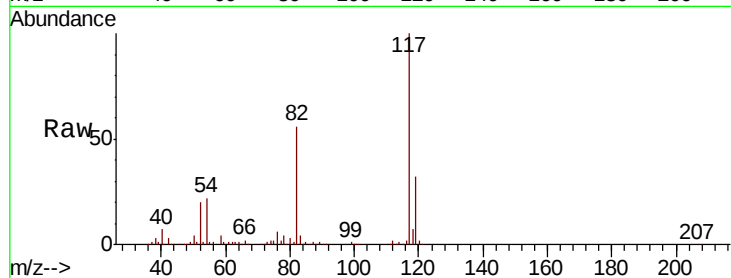
Tot Ion:117 Resp: 465882

Ion Ratio Lower Upper

117 100

82 55.8 43.7 65.5

119 32.0 26.6 39.8

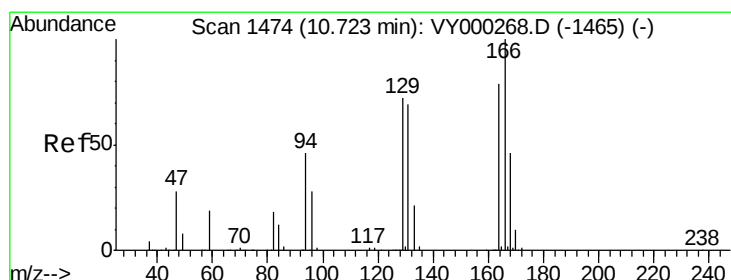
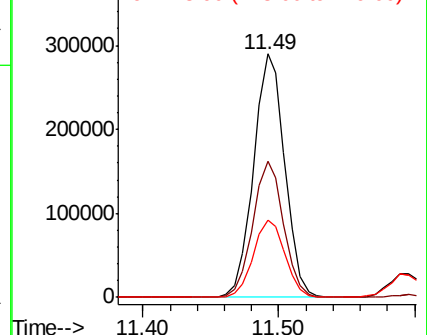
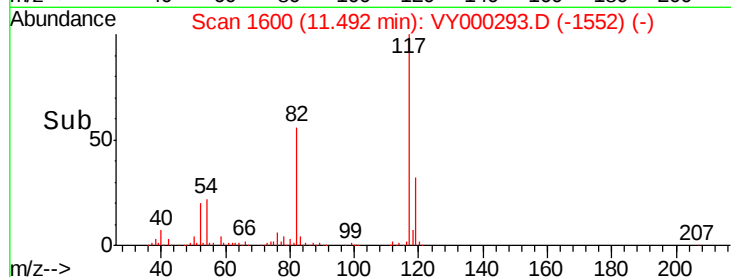


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.583 ug/l

RT: 10.72 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion:164 Resp: 86855

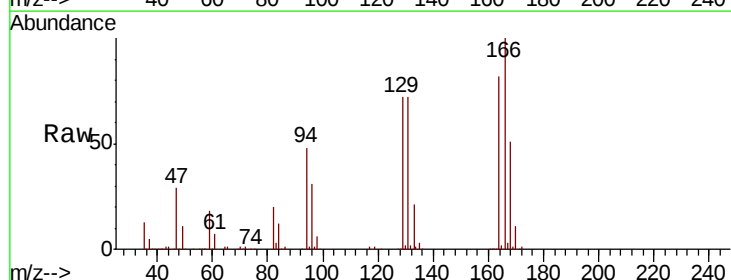
Ion Ratio Lower Upper

164 100

166 121.9 100.6 151.0

129 87.7 72.8 109.2

131 87.7 69.4 104.2



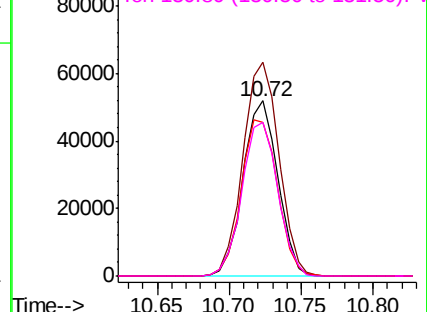
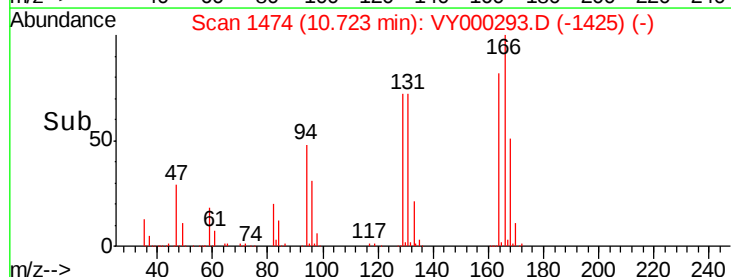
Abundance

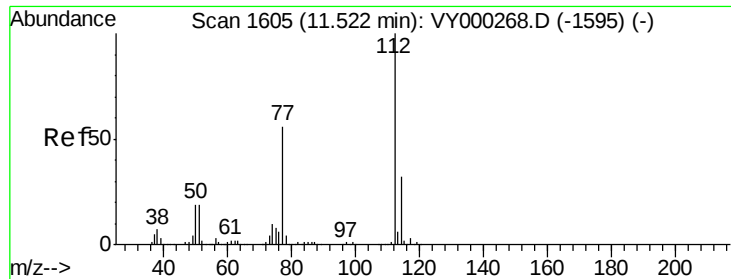
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

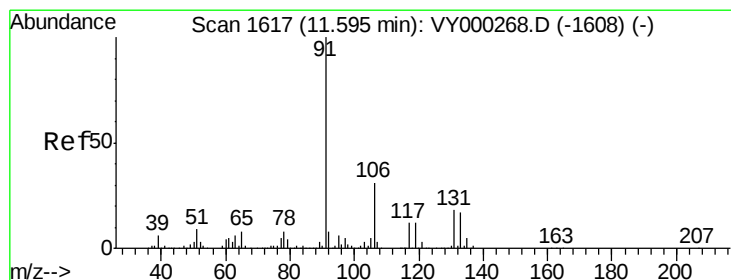
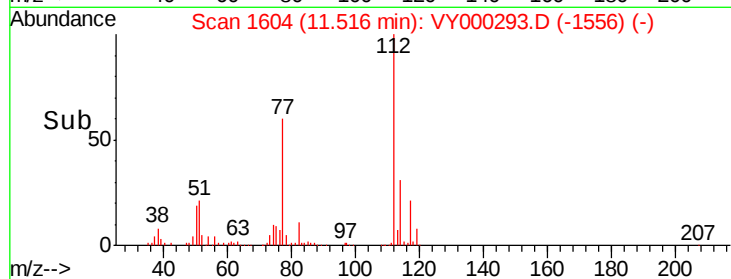
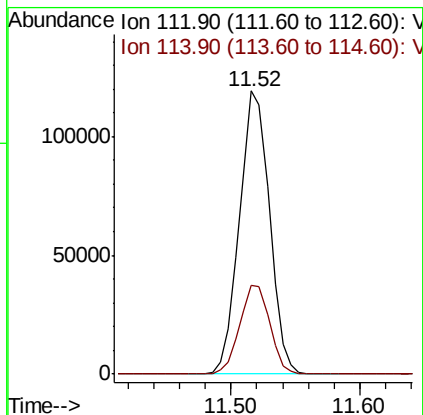
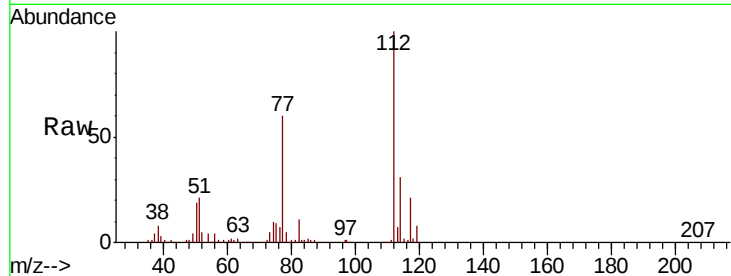




#65
Chlorobenzene
Concen: 19.551 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

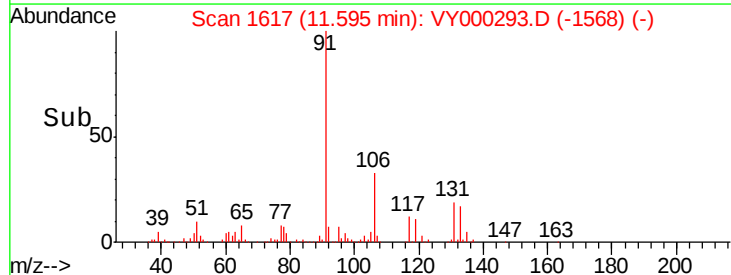
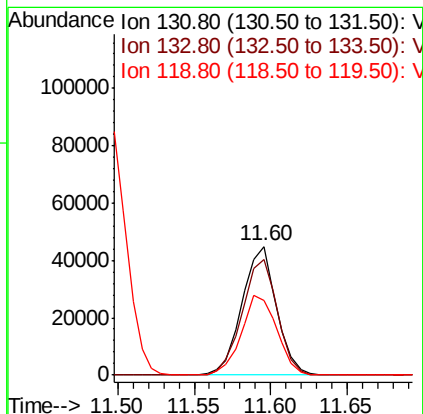
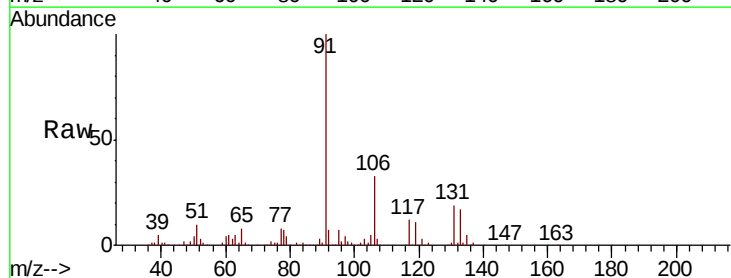
Instrument :
MSVOA_Y
ClientSampled :

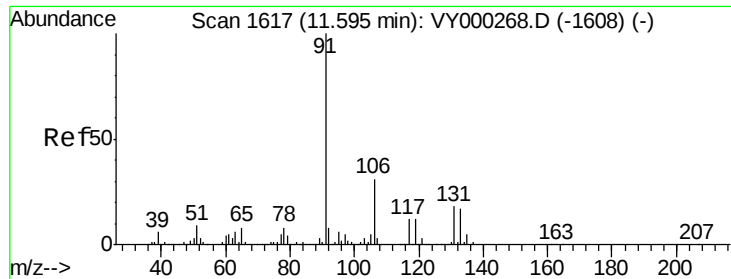
Tot Ion:112 Resp: 192227
Ion Ratio Lower Upper
112 100
114 31.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.218 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion:131 Resp: 69828
Ion Ratio Lower Upper
131 100
133 92.1 47.2 141.6
119 64.3 32.6 98.0

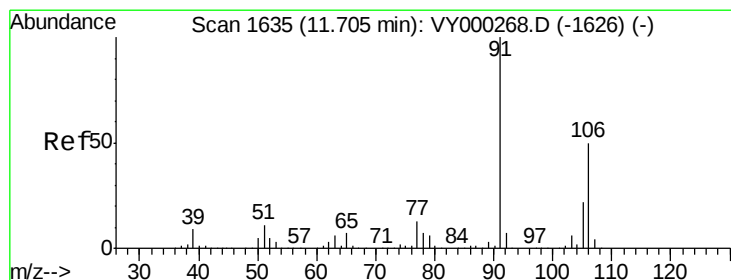
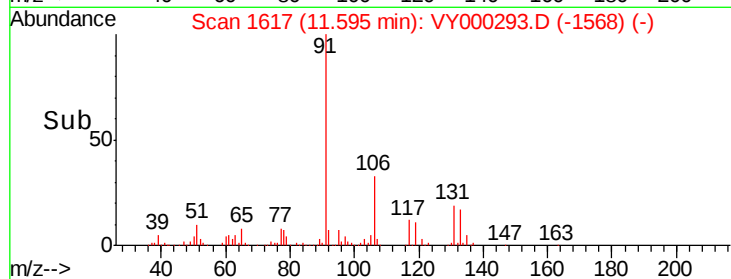
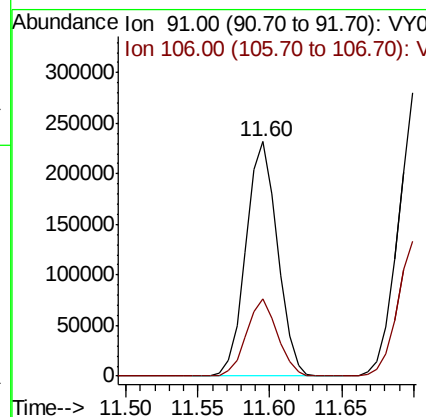
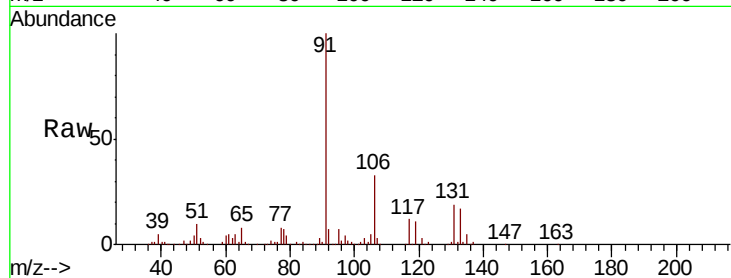




#67
Ethyl Benzene
Concen: 19.302 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

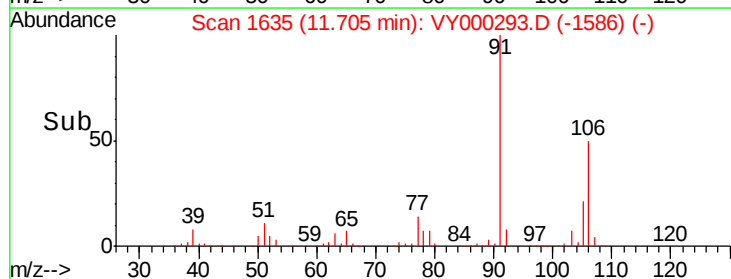
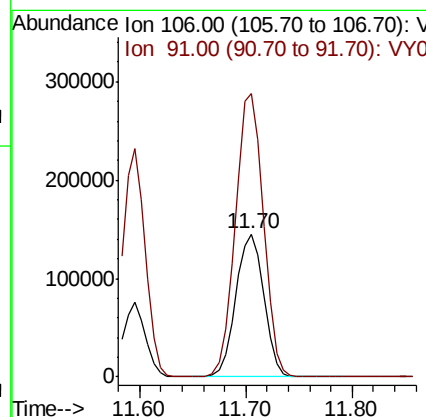
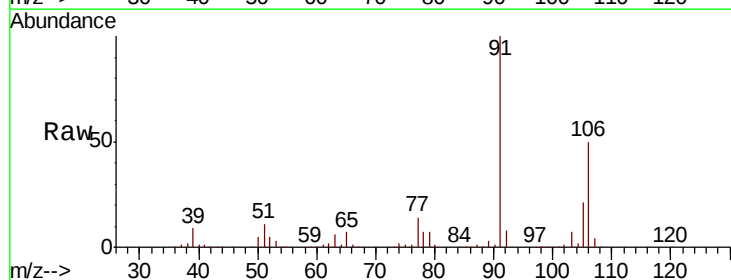
Instrument :
MSVOA_Y
ClientSampleId :

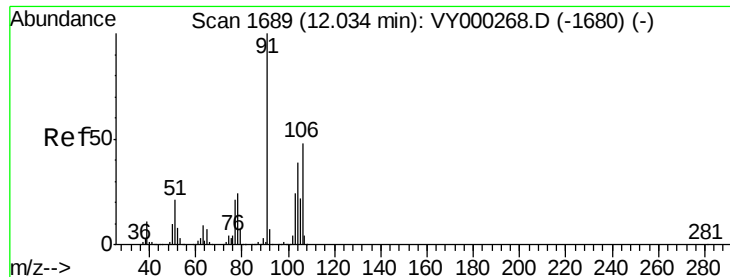
Tot Ion: 91 Resp: 351816
Ion Ratio Lower Upper
91 100
106 32.9 25.0 37.6



#68
m/p-Xylenes
Concen: 38.539 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 106 Resp: 268527
Ion Ratio Lower Upper
106 100
91 198.4 157.5 236.3

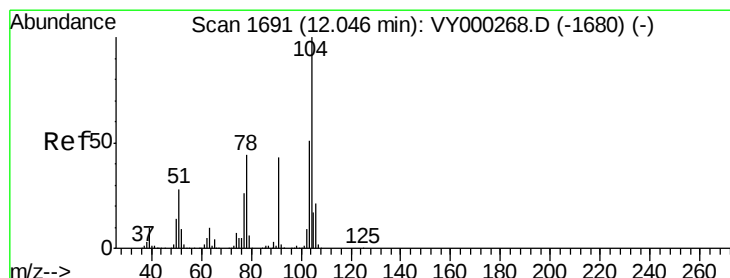
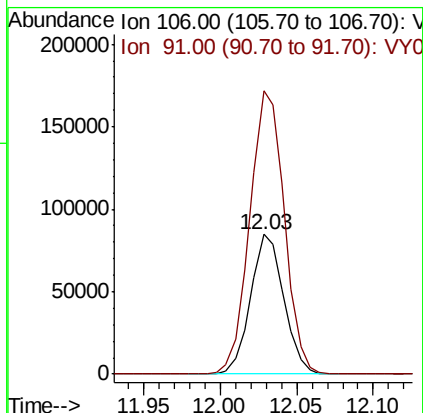
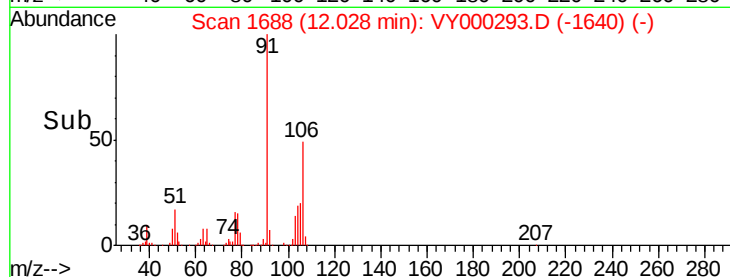
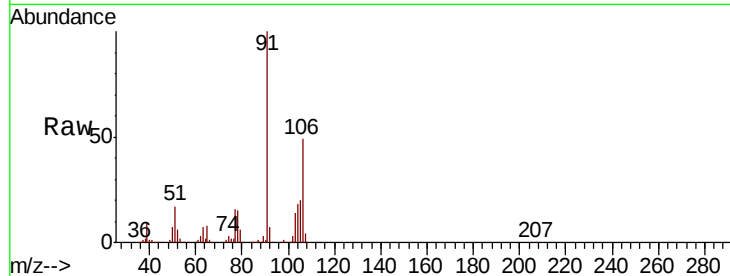




#69
o-Xylene
Concen: 19.249 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

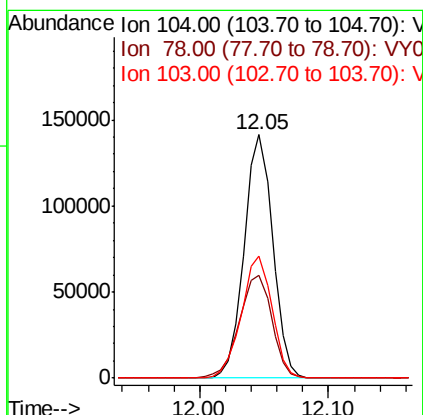
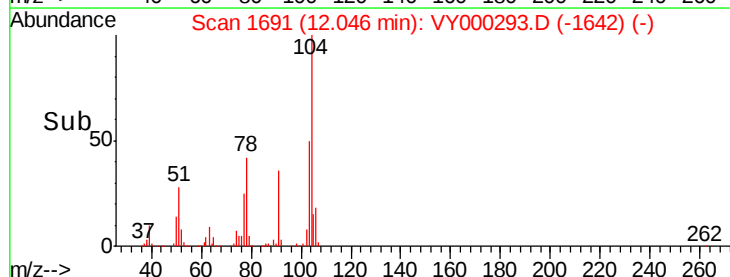
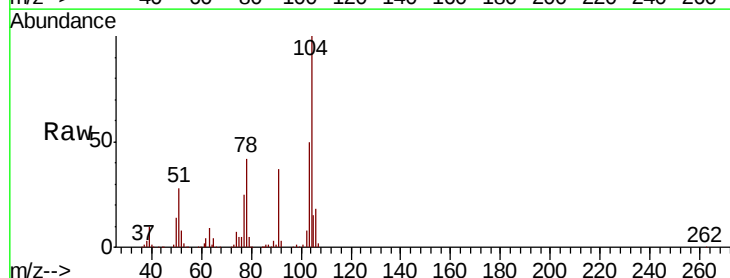
Instrument :
MSVOA_Y
ClientSampleId :

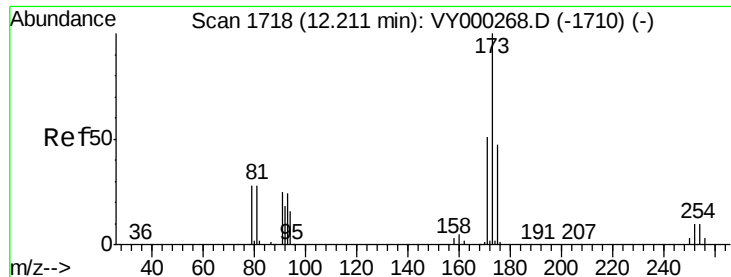
Tot Ion:106 Resp: 127951
Ion Ratio Lower Upper
106 100
91 211.1 104.7 313.9



#70
Styrene
Concen: 19.313 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion:104 Resp: 216500
Ion Ratio Lower Upper
104 100
78 48.5 39.0 58.6
103 53.7 43.1 64.7





#71

Bromoform

Concen: 20.034 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

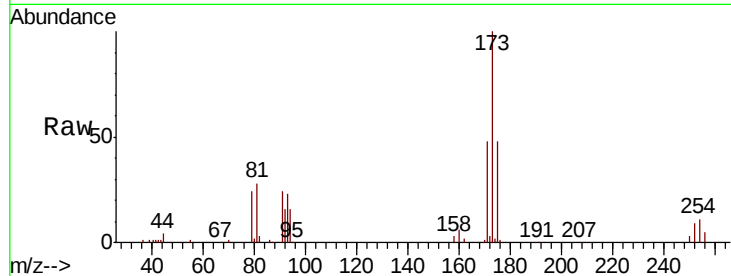
Tot Ion:173 Resp: 39778

Ion Ratio Lower Upper

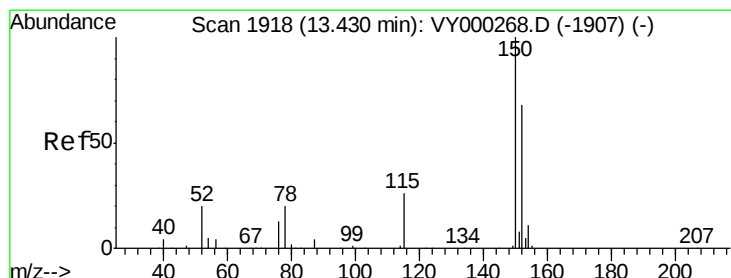
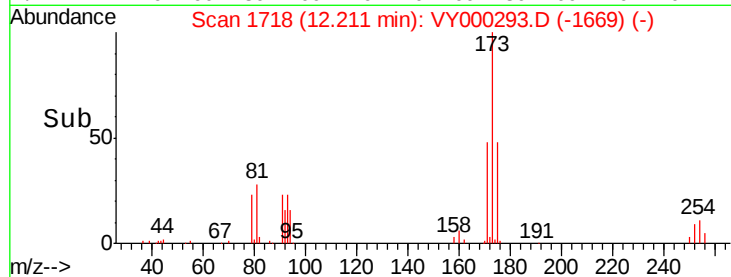
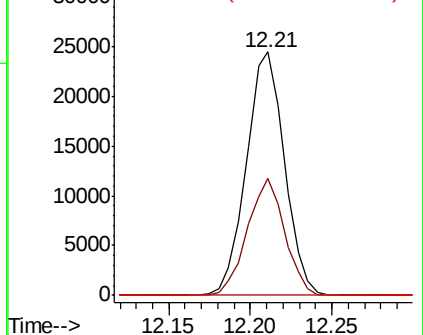
173 100

175 47.2 24.6 73.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

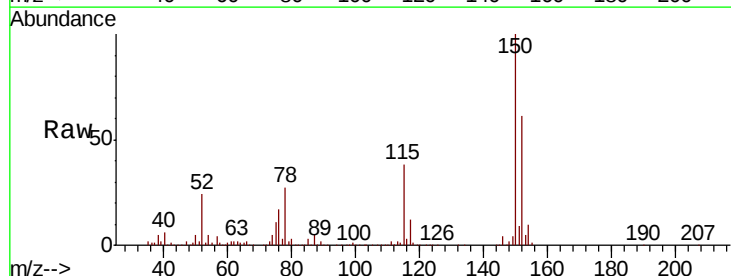
Tgt Ion:152 Resp: 223748

Ion Ratio Lower Upper

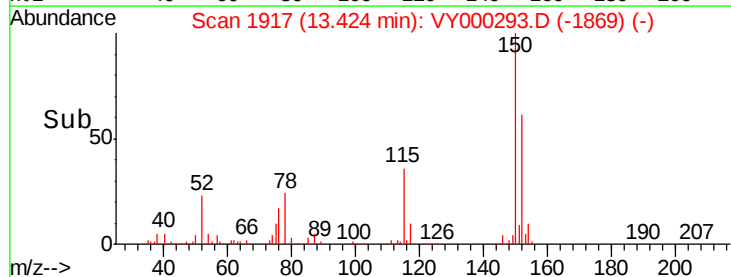
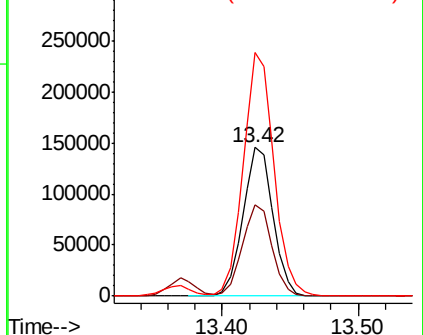
152 100

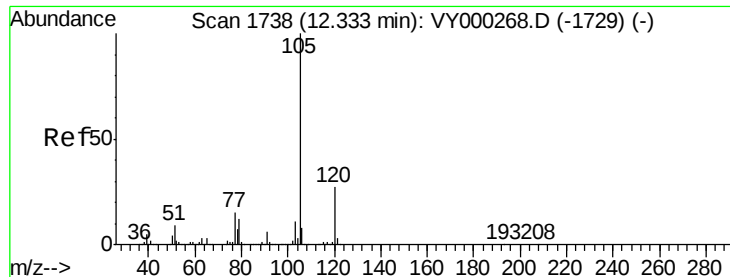
115 60.8 29.3 88.0

150 166.7 0.0 348.4



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





#73

Isopropylbenzene

Concen: 19.735 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

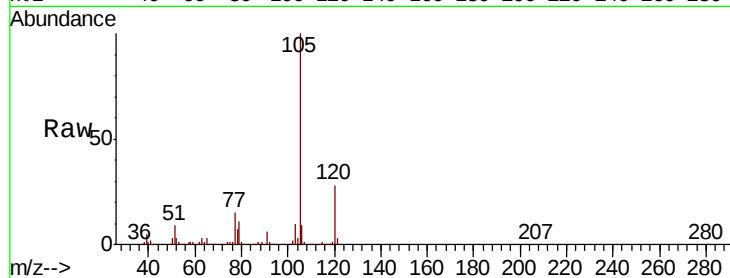
ClientSampleId :

Tot Ion:105 Resp: 344313

Ion Ratio Lower Upper

105 100

120 27.4 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

250000

200000

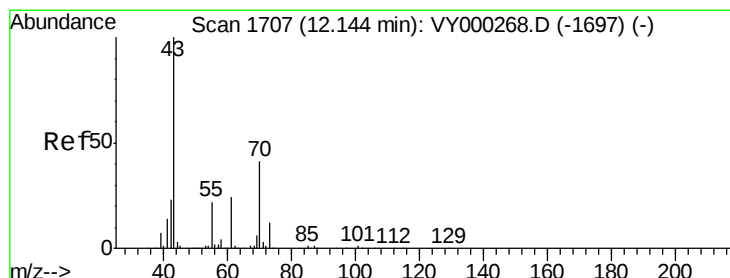
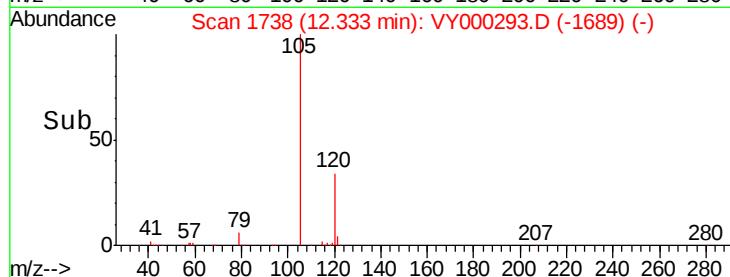
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.402 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion: 43 Resp: 91665

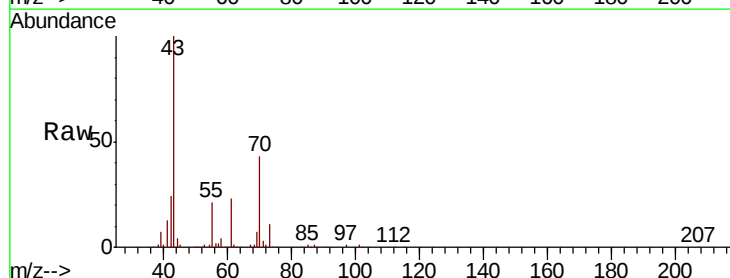
Ion Ratio Lower Upper

43 100

70 42.9 32.9 49.3

55 22.3 17.8 26.6

61 24.1 19.5 29.3



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

12.14

100000

80000

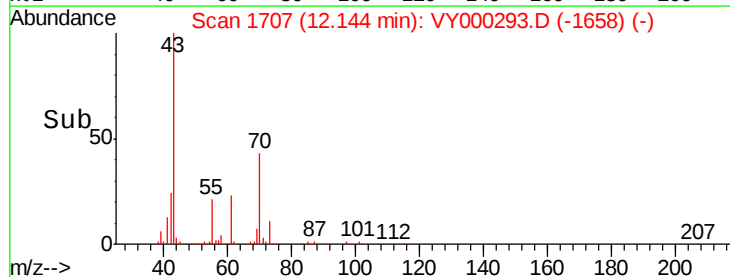
60000

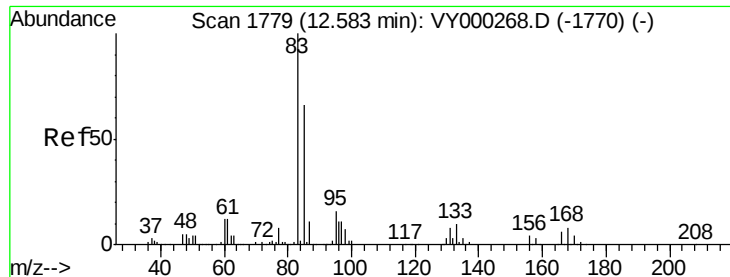
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.361 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

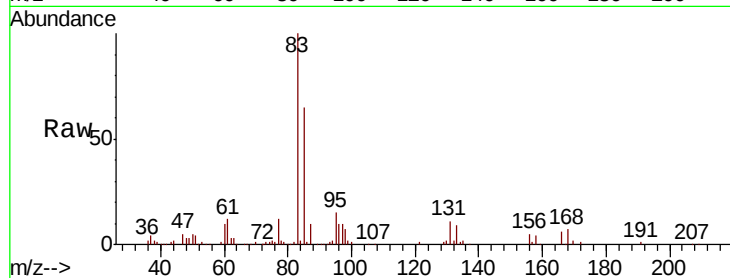
Tot Ion: 83 Resp: 63419

Ion Ratio Lower Upper

83 100

131 10.0 5.3 16.1

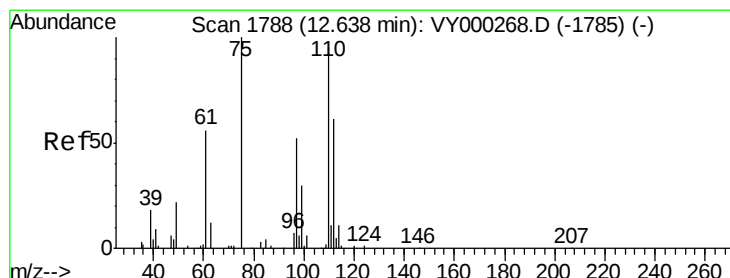
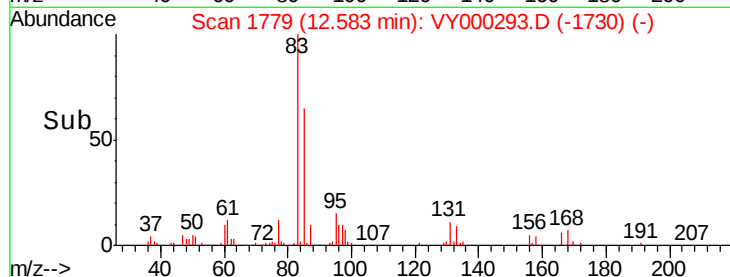
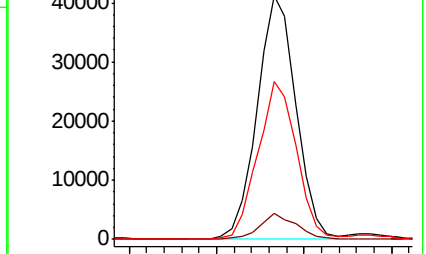
85 64.7 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VY000293.D (-1730) (-)

Ion 130.80 (130.50 to 131.50): VY000293.D (-1730) (-)

Ion 84.90 (84.60 to 85.60): VY000293.D (-1730) (-)



#76

1,2,3-Trichloropropane

Concen: 34.139 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY000293.D

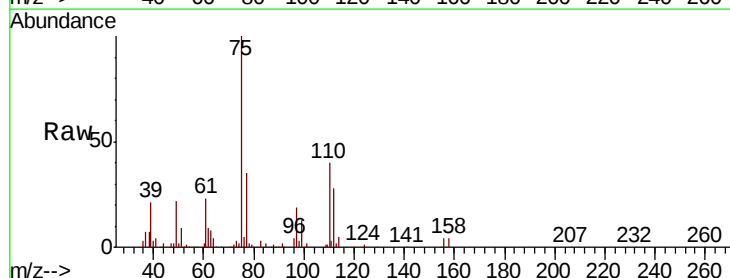
Acq: 14 Oct 2019 12:54

Tgt Ion: 75 Resp: 93929

Ion Ratio Lower Upper

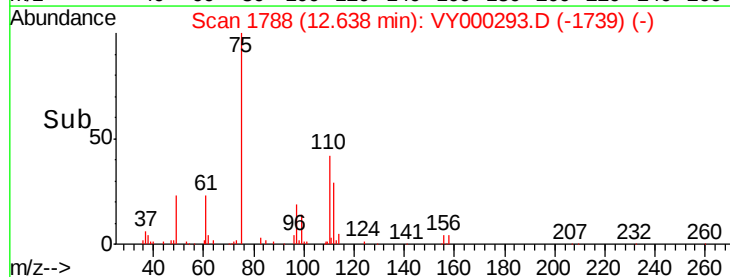
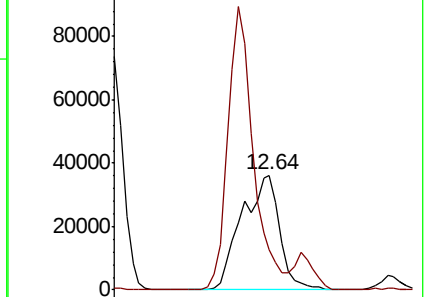
75 100

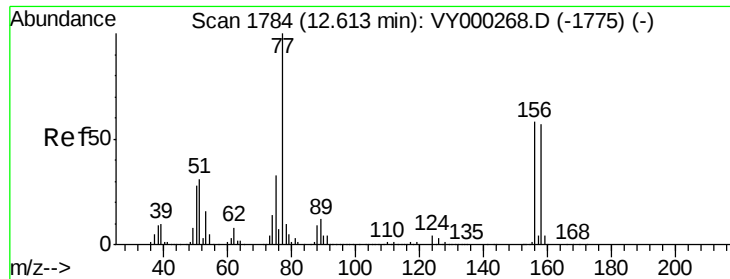
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY000293.D (-1739) (-)

Ion 77.00 (76.70 to 77.70): VY000293.D (-1739) (-)





#77

Bromobenzene

Concen: 19.874 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

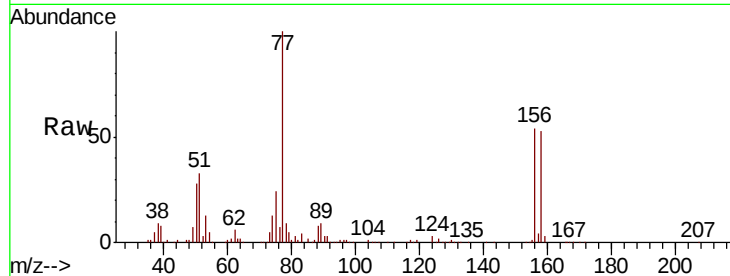
Tot Ion:156 Resp: 77156

Ion Ratio Lower Upper

156 100

77 201.2 101.0 302.9

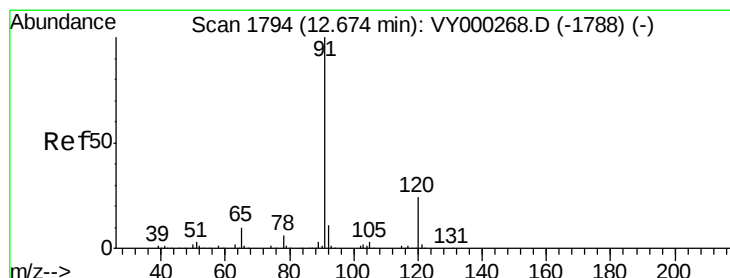
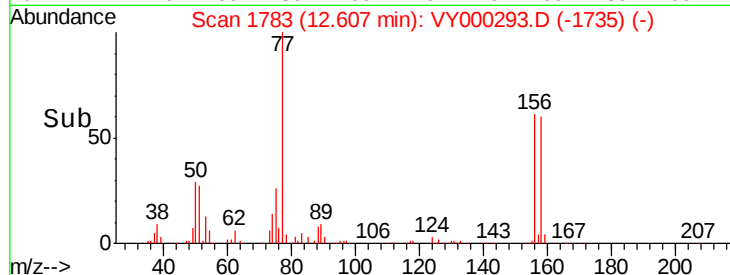
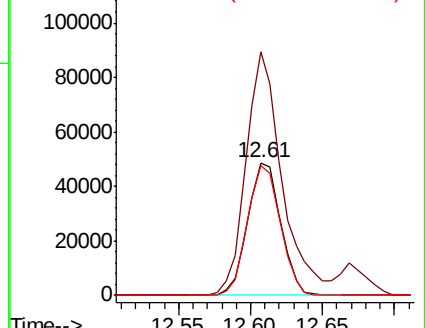
158 97.5 49.7 149.1



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: 19.573 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000293.D

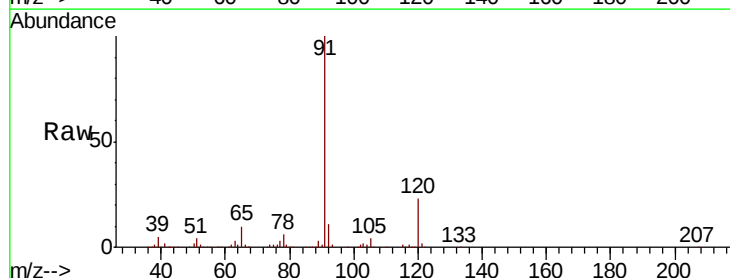
Acq: 14 Oct 2019 12:54

Tgt Ion: 91 Resp: 409998

Ion Ratio Lower Upper

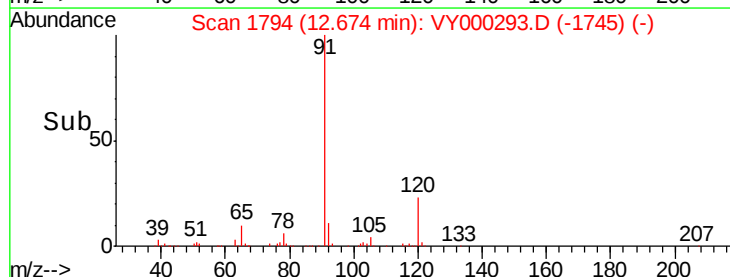
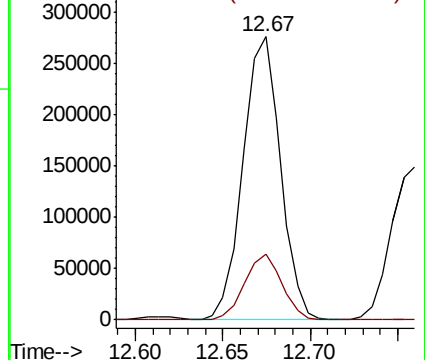
91 100

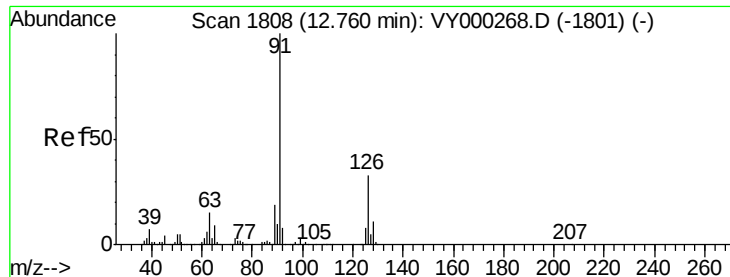
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

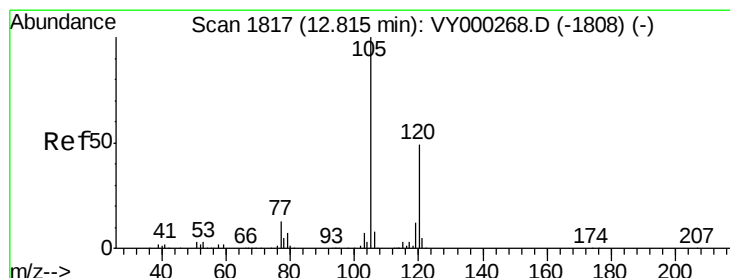
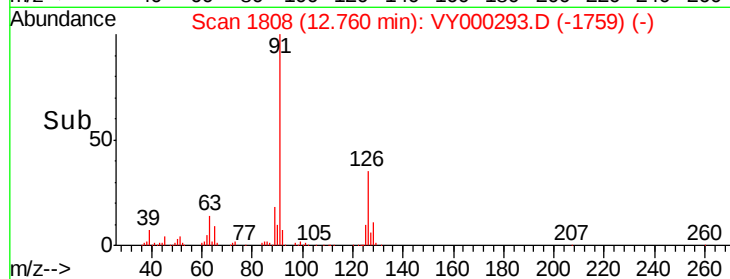
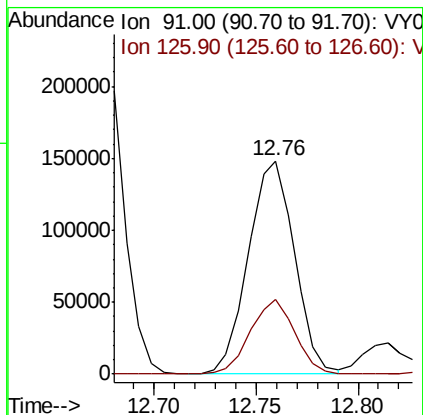
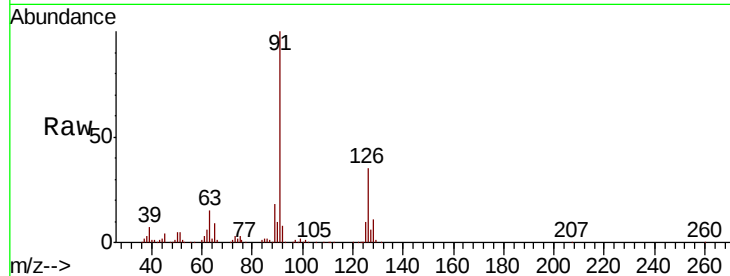




#79
 2-Chlorotoluene
 Concen: 20.147 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

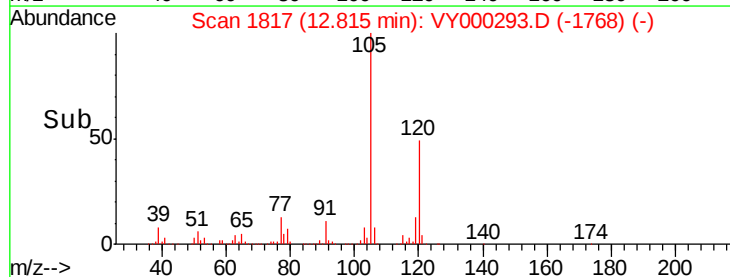
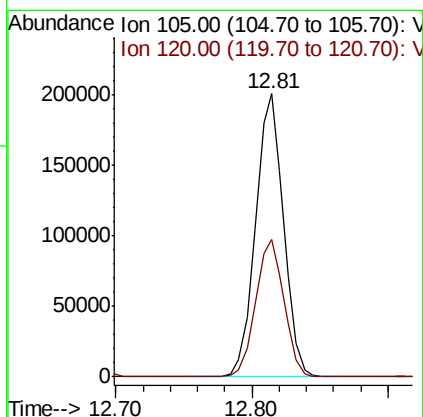
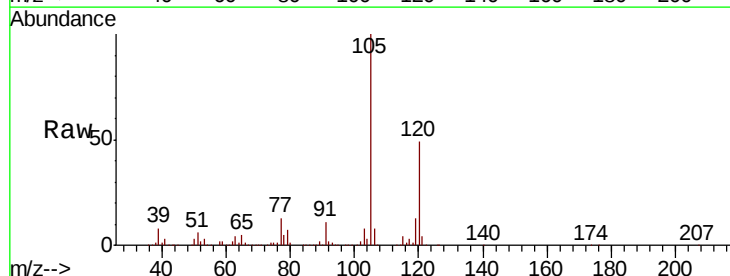
Instrument :
 MSVOA_Y
 ClientSampled :

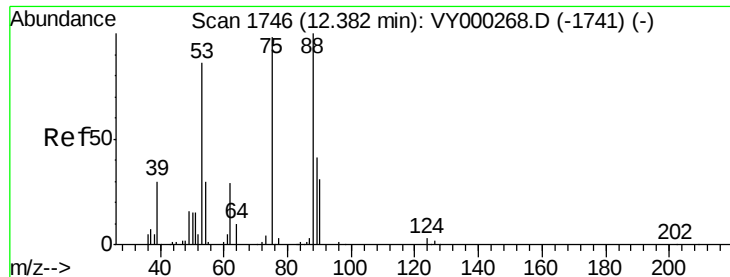
Tot Ion: 91 Resp: 233067
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.1 51.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.742 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion: 105 Resp: 288817
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.496 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.01 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

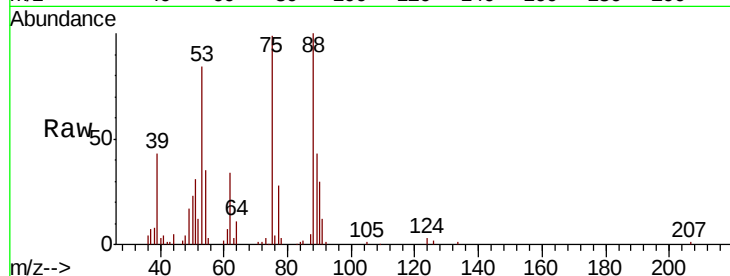
Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 23259

Ion	Ratio	Lower	Upper
75	100		
53	89.2	71.3	106.9
89	44.1	35.1	52.7

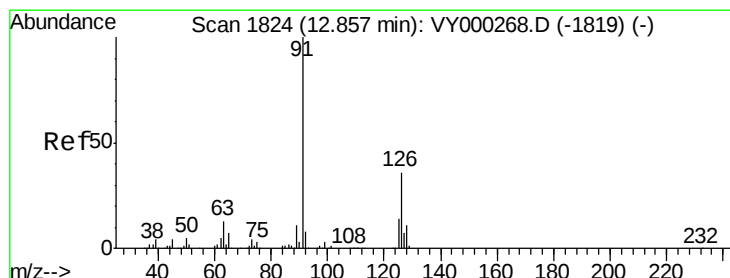
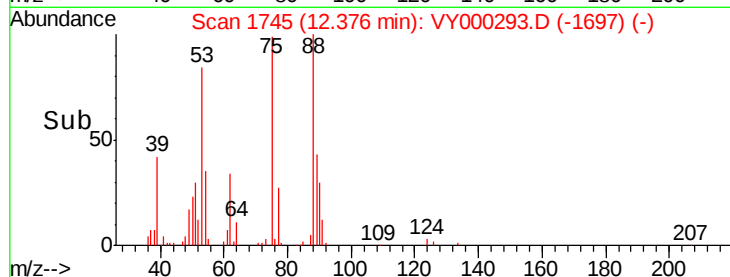
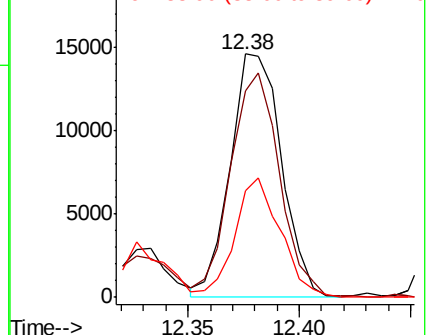


Abundance

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: 19.652 ug/l

RT: 12.86 min Scan# 1824

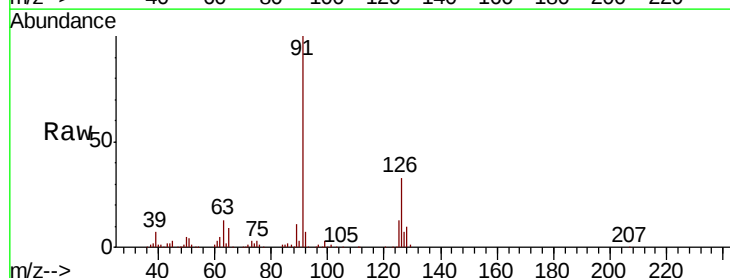
Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Tgt Ion: 91 Resp: 240311

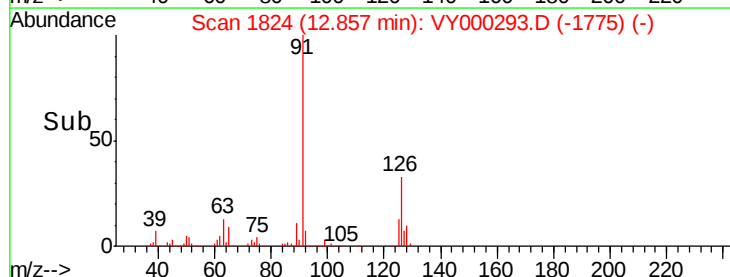
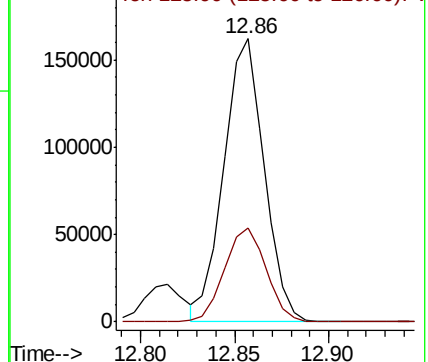
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.5

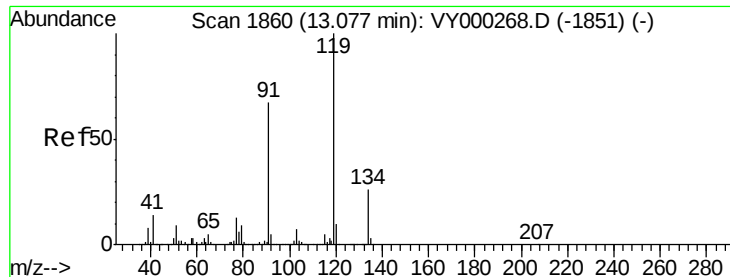


Abundance

Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

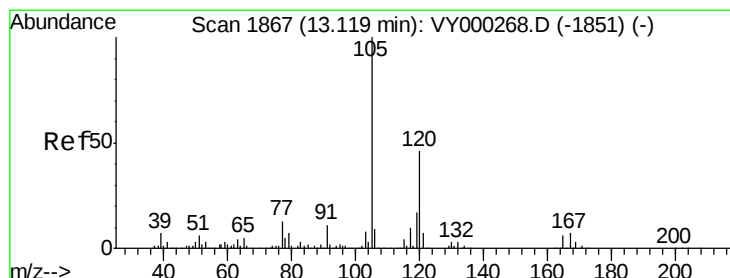
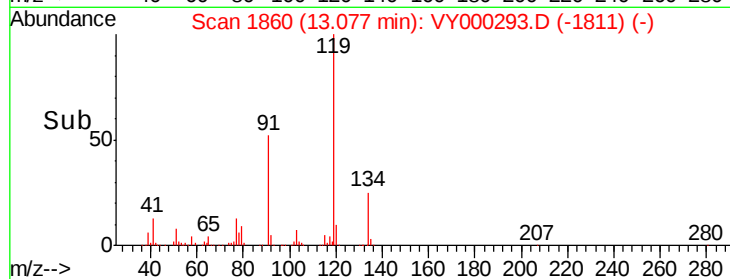
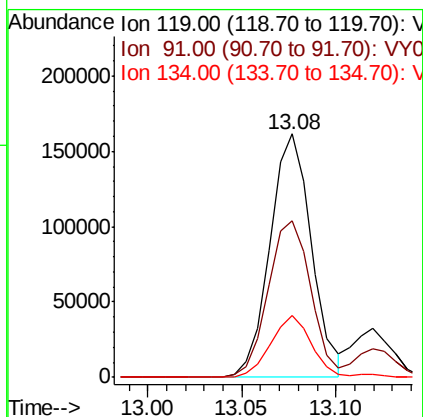
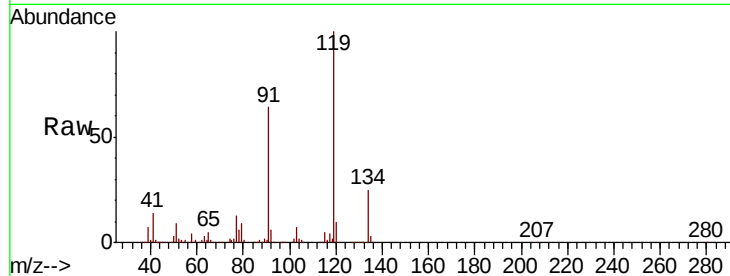




#83
tert-Butylbenzene
Concen: 19.897 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

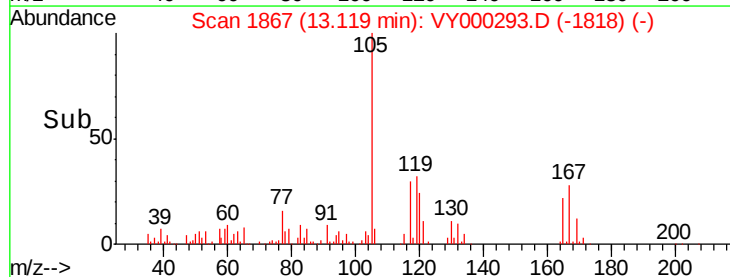
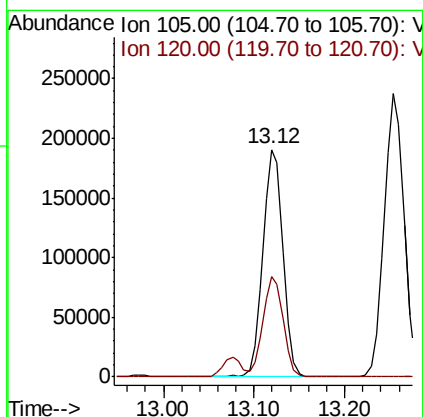
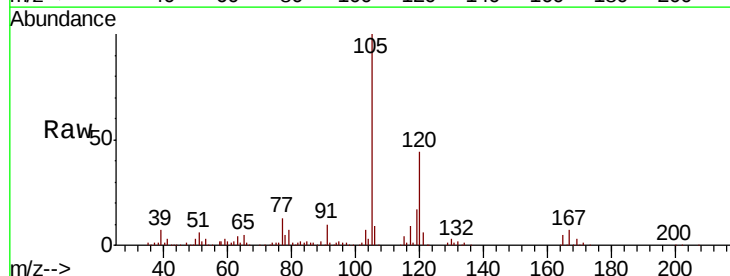
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:119 Resp: 246493
Ion Ratio Lower Upper
119 100
91 66.3 32.9 98.7
134 24.8 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 20.162 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion:105 Resp: 291115
Ion Ratio Lower Upper
105 100
120 44.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.016 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

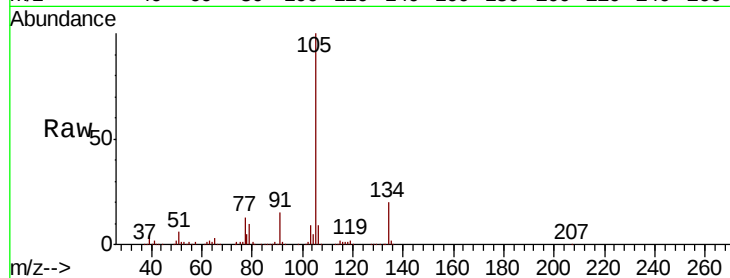
ClientSampled :

Tot Ion:105 Resp: 358720

Ion Ratio Lower Upper

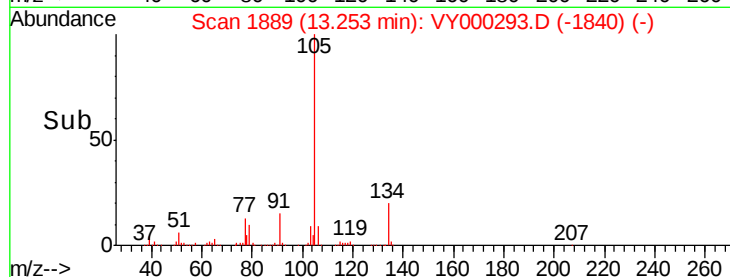
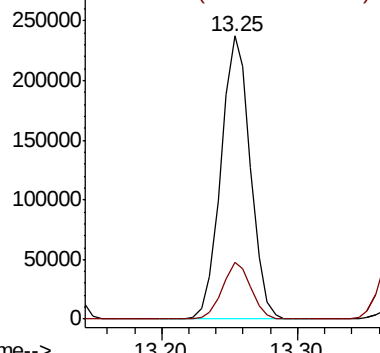
105 100

134 19.6 10.1 30.1

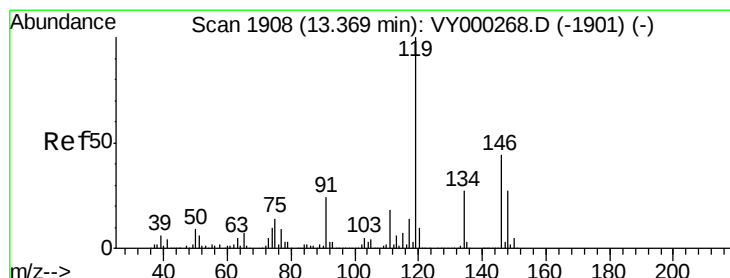


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.055 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

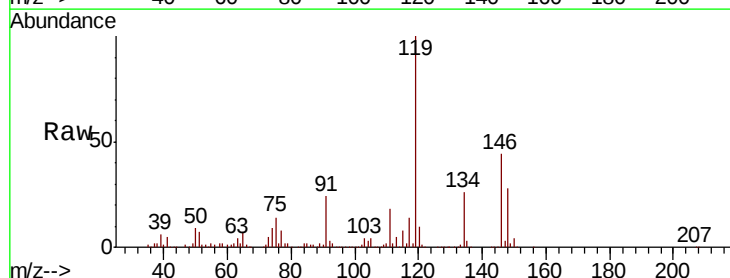
Tgt Ion:119 Resp: 313351

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

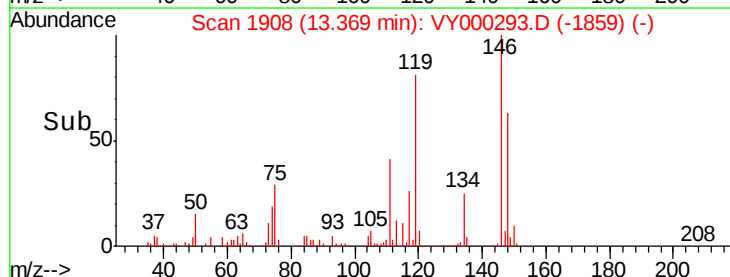
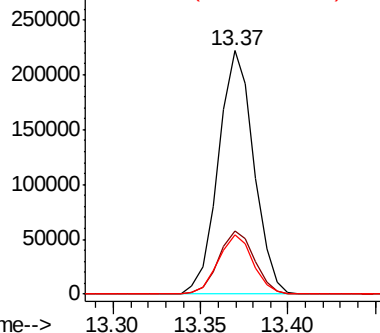
91 24.0 12.0 36.1



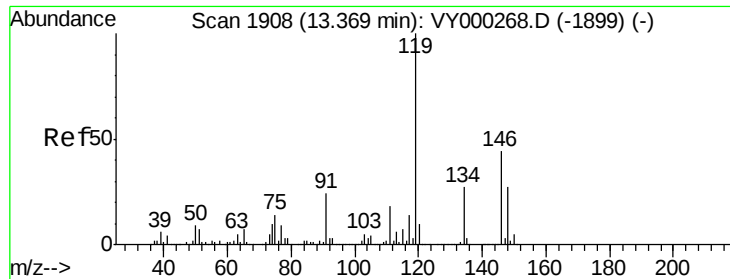
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0



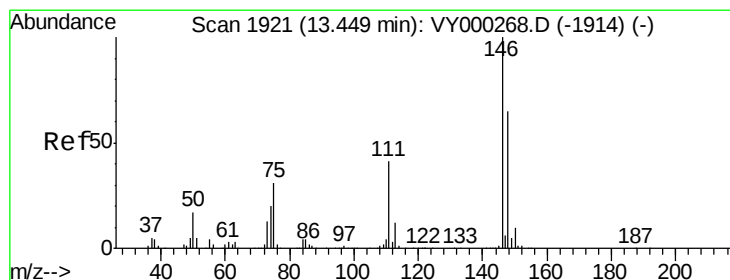
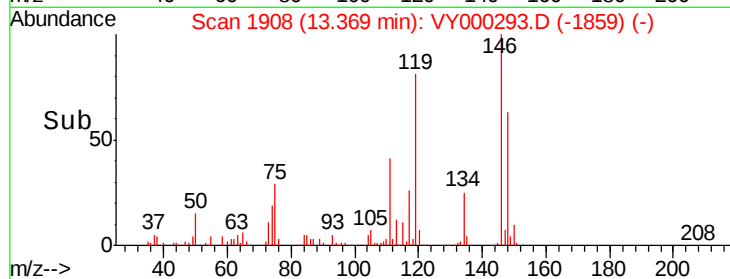
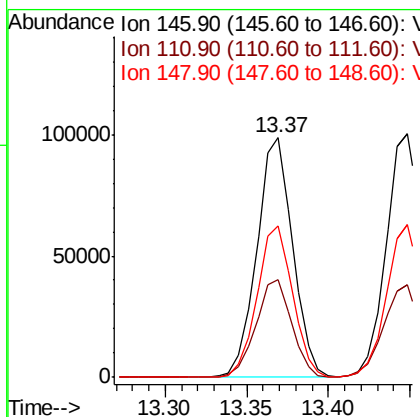
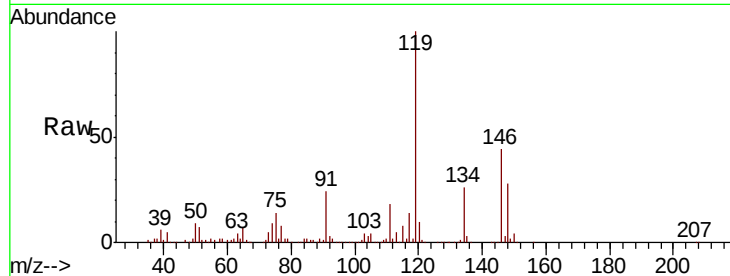
Time-->



#87
 1,3-Dichlorobenzene
 Concen: 19.596 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

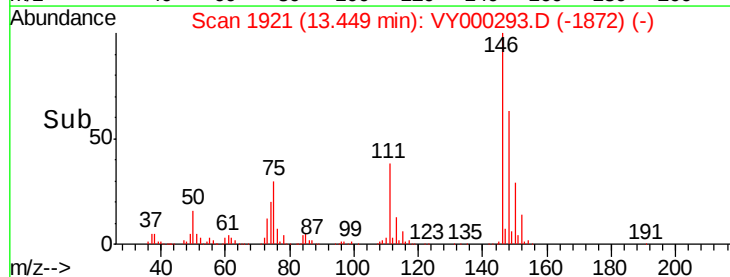
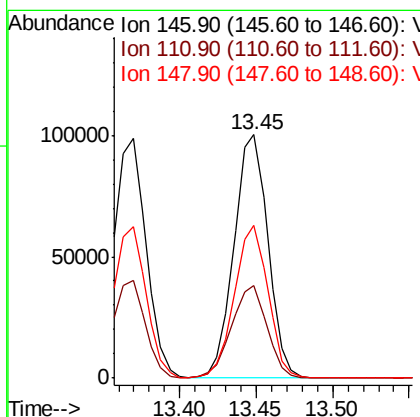
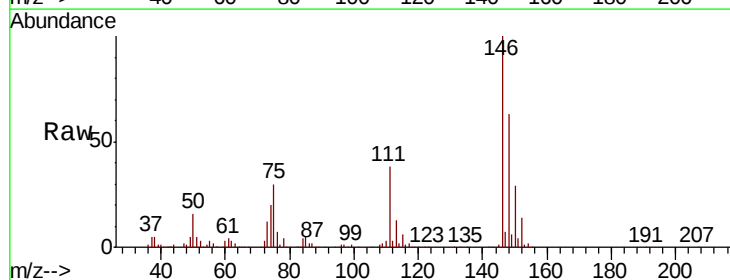
Instrument :
 MSVOA_Y
 ClientSampleId :

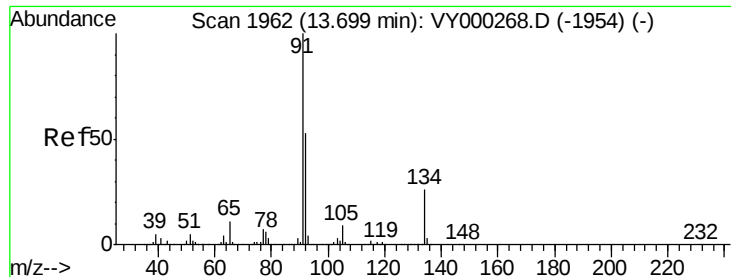
Tot Ion:146 Resp: 149890
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.6 61.8
 148 62.9 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.141 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion:146 Resp: 153988
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.1 60.2
 148 62.3 32.4 97.2

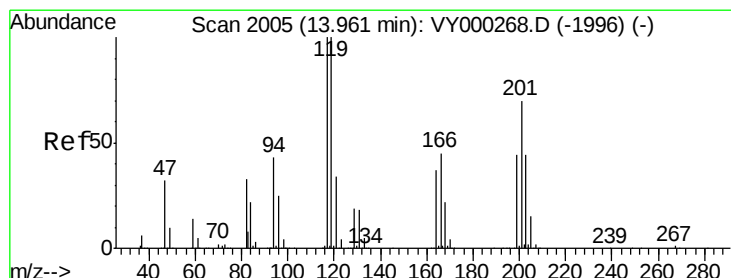
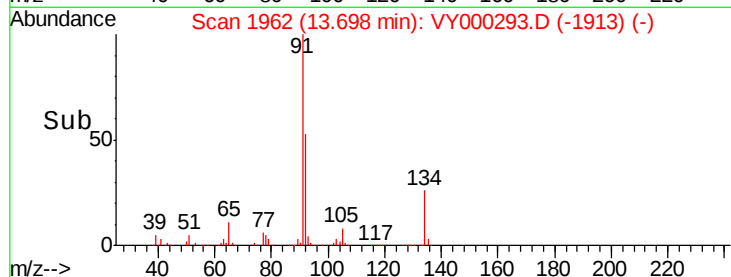
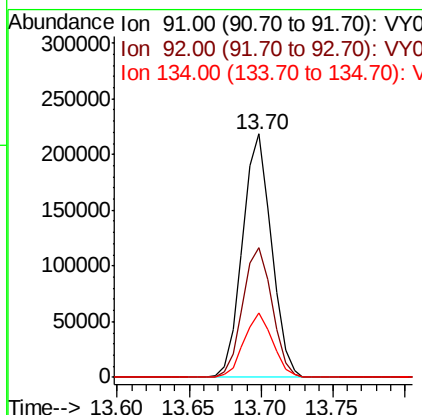
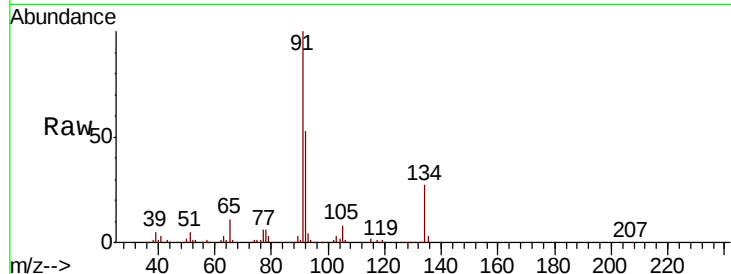




#89
n-Butylbenzene
Concen: 19.755 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

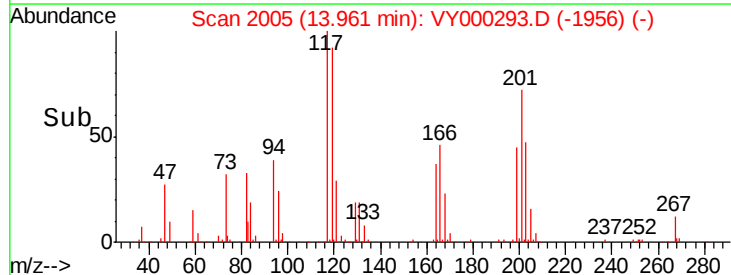
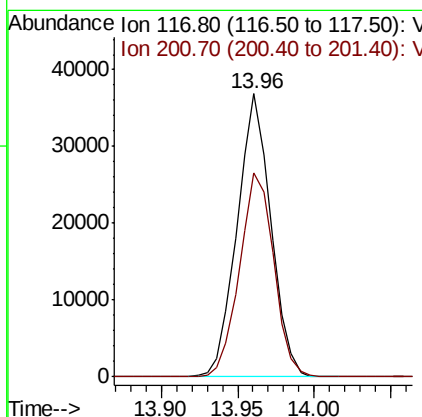
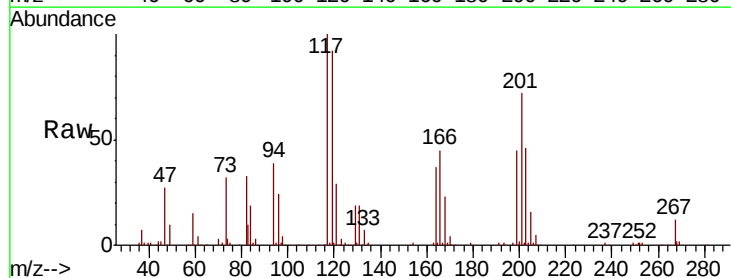
Instrument :
MSVOA_Y
ClientSampled :

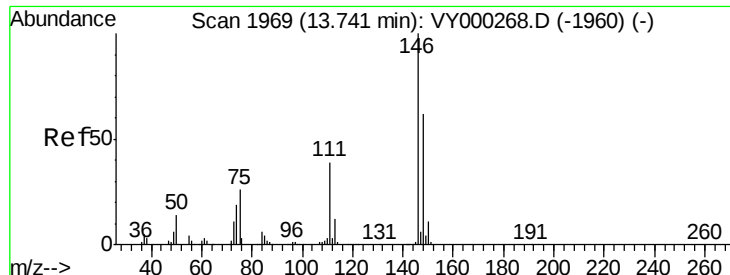
Tot Ion: 91 Resp: 305023
Ion Ratio Lower Upper
91 100
92 54.1 26.7 80.1
134 26.1 13.0 38.9



#90
Hexachloroethane
Concen: 19.495 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion: 117 Resp: 56403
Ion Ratio Lower Upper
117 100
201 73.2 36.3 108.7





#91

1,2-Dichlorobenzene

Concen: 20.260 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

Instrument :

MSVOA_Y

ClientSampleId :

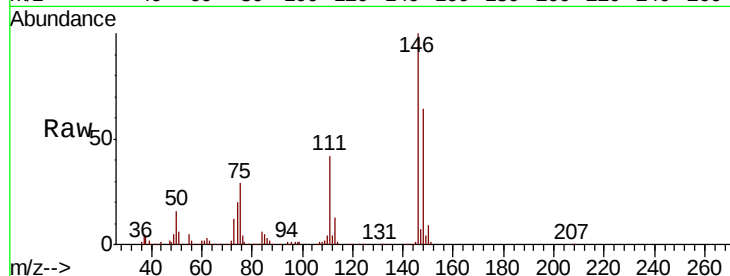
Tot Ion:146 Resp: 140246

Ion Ratio Lower Upper

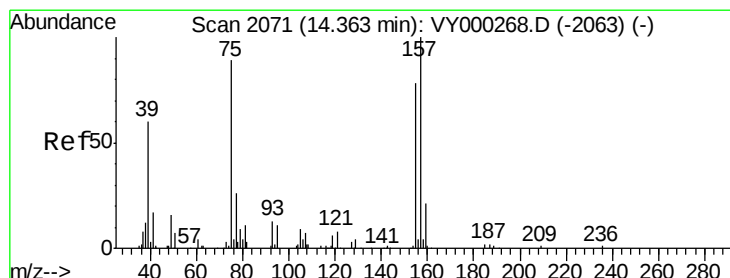
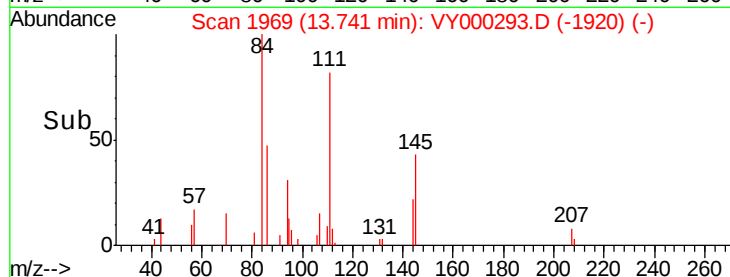
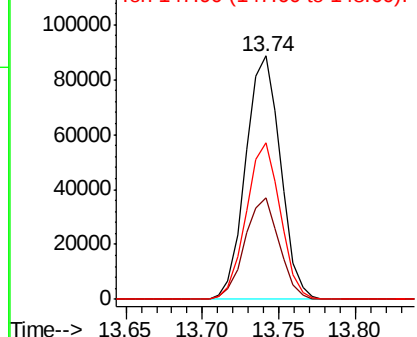
146 100

111 41.3 20.5 61.5

148 62.9 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: 19.971 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VY000293.D

Acq: 14 Oct 2019 12:54

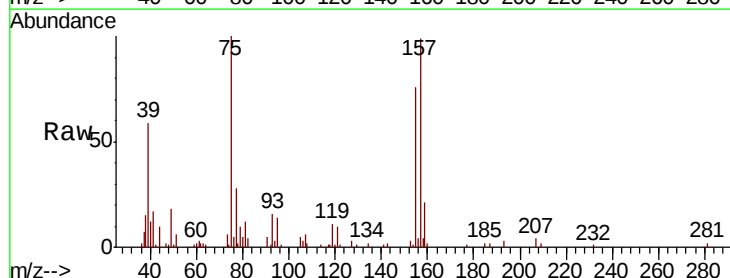
Tgt Ion: 75 Resp: 12407

Ion Ratio Lower Upper

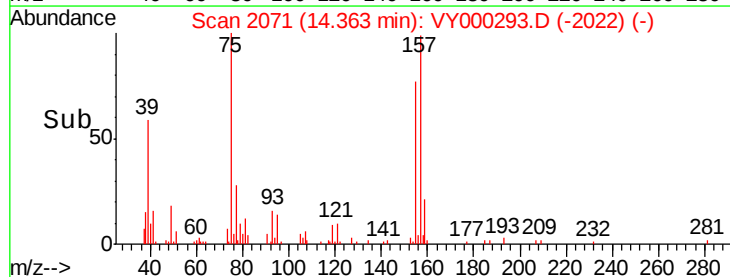
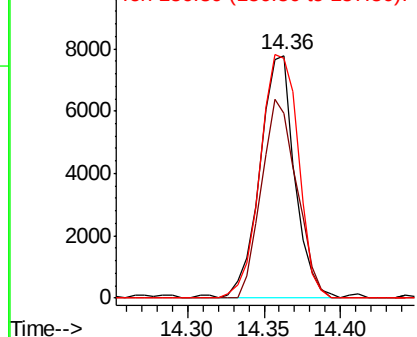
75 100

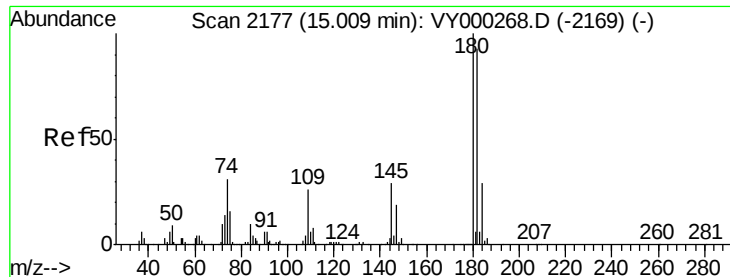
155 83.1 45.8 137.3

157 109.0 55.6 166.9



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

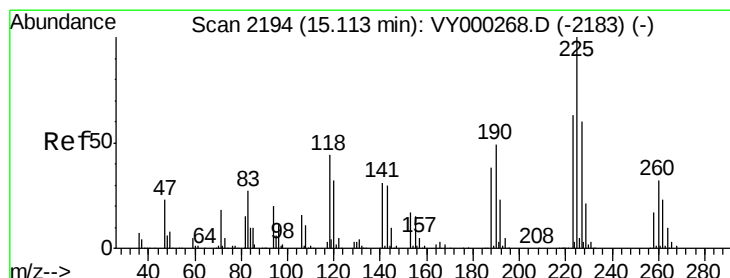
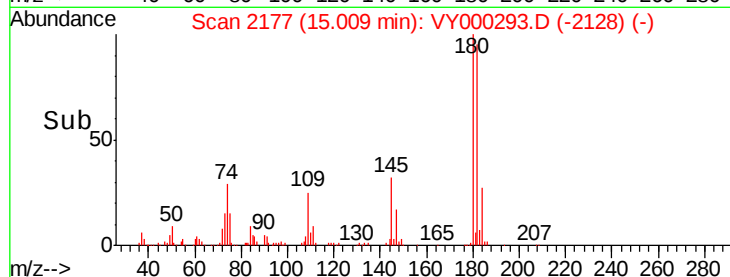
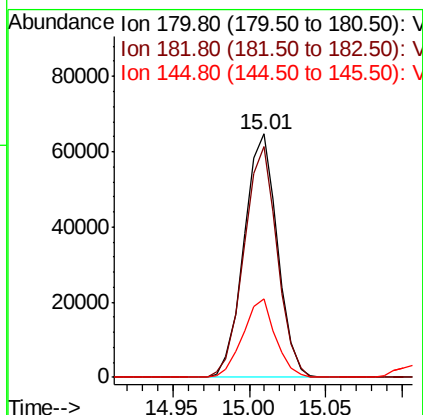
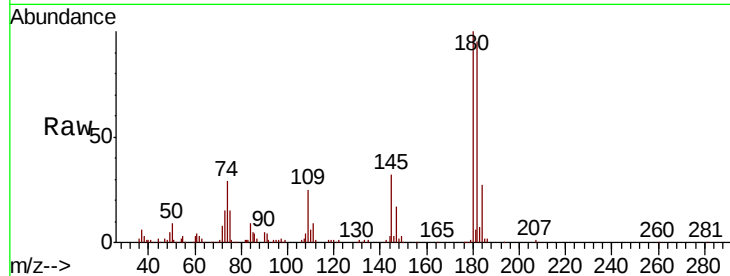




#93
 1,2,4-Trichlorobenzene
 Concen: 20.357 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

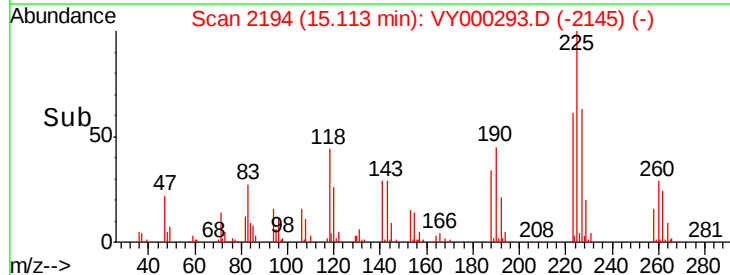
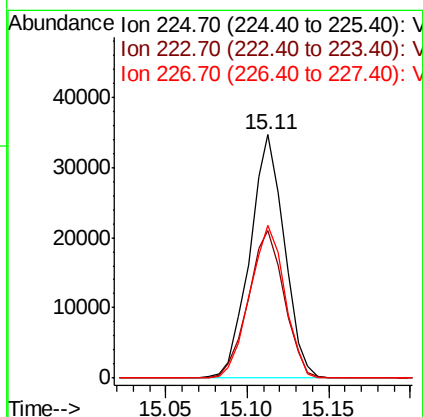
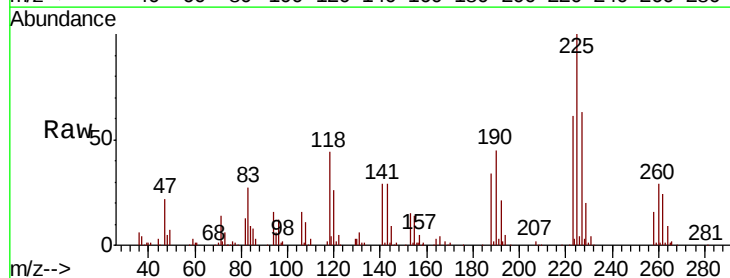
Instrument :
 MSVOA_Y
 ClientSampleId :

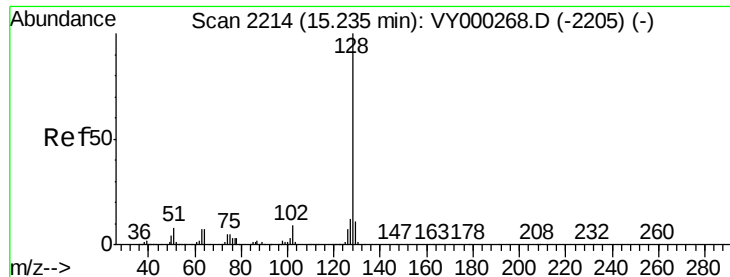
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.6
145	31.5	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 19.599 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000293.D
 Acq: 14 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	63.7	31.4	94.2

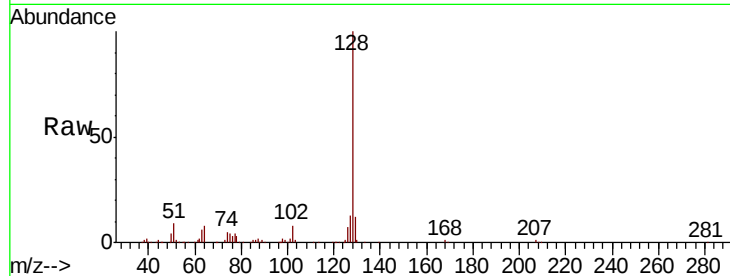




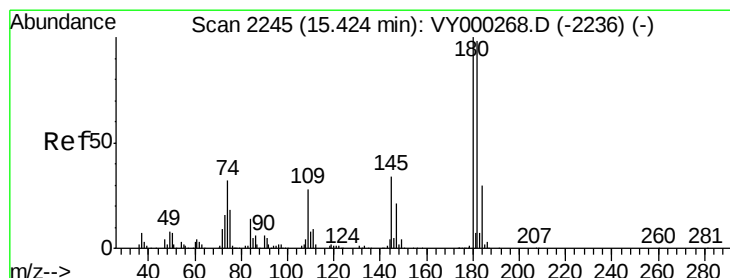
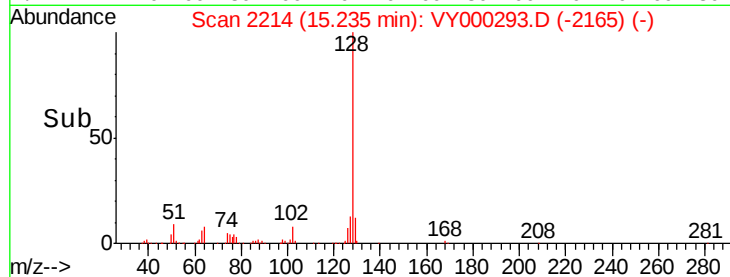
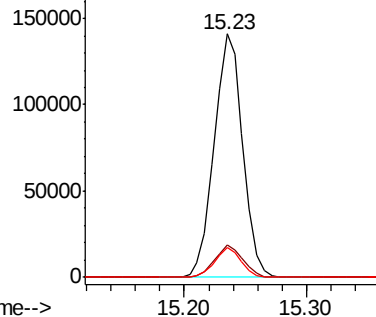
#95
Naphthalene
Concen: 21.120 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 227153
Ion Ratio Lower Upper
128 100
127 13.1 9.6 14.4
129 11.4 8.7 13.1

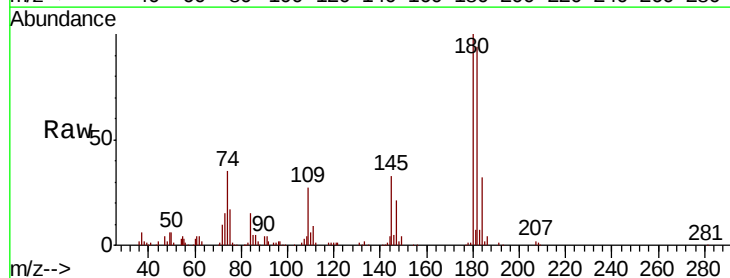


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.475 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000293.D
Acq: 14 Oct 2019 12:54

Tgt Ion:180 Resp: 88934
Ion Ratio Lower Upper
180 100
182 92.7 46.5 139.5
145 31.6 16.2 48.5



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

