

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000028.D
 Acq On : 12 Sep 2019 15:39
 Operator : SY/MD
 Sample : MDL1
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 16:31:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 16:17:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	135620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	262093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	222946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	94389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	72448	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	7.72	113	70778	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
50) Toluene-d8	10.18	98	299716	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.48	95	101201	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	4104	4.104	ug/l	98
3) Chloromethane	2.11	50	8381	Below Cal		91
4) Vinyl Chloride	2.24	62	5997	3.954	ug/l	99
5) Bromomethane	2.63	94	5125	4.372	ug/l	89
6) Chloroethane	2.78	64	4349	4.307	ug/l	89
7) Trichlorofluoromethane	3.12	101	8204	4.163	ug/l	99
8) Diethyl Ether	3.53	74	3121	3.854	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.89	101	5313	3.962	ug/l #	81
10) Methyl Iodide	4.07	142	3399	2.318	ug/l	96
11) Tert butyl alcohol	4.96	59	2947	15.867	ug/l #	81
12) 1,1-Dichloroethene	3.86	96	4520	3.617	ug/l #	75
13) Acrolein	3.73	56	2573	Below Cal	#	64
14) Allyl chloride	4.47	41	7324	3.774	ug/l	96
15) Acrylonitrile	5.17	53	9920	19.306	ug/l	97
16) Acetone	3.95	43	7583	18.719	ug/l	96
17) Carbon Disulfide	4.18	76	12510	3.345	ug/l	99
18) Methyl Acetate	4.47	43	5104	4.478	ug/l #	88
19) Methyl tert-butyl Ether	5.21	73	13380	3.535	ug/l	91
20) Methylene Chloride	4.72	84	9236	2.869	ug/l #	79
21) trans-1,2-Dichloroethene	5.21	96	5839	4.219	ug/l	96
22) Diisopropyl ether	6.13	45	15530	3.625	ug/l #	86
23) Vinyl Acetate	6.06	43	53031	17.895	ug/l	93
24) 1,1-Dichloroethane	6.03	63	9754	3.842	ug/l #	92
25) 2-Butanone	7.00	43	15505	23.549	ug/l	100
26) 2,2-Dichloropropane	6.98	77	12027	5.100	ug/l	86
27) cis-1,2-Dichloroethene	6.99	96	6095	3.491	ug/l	76
28) Bromochloromethane	7.33	49	4432	3.802	ug/l #	91
29) Tetrahydrofuran	7.36	42	7611	19.432	ug/l	92
30) Chloroform	7.51	83	10042	3.836	ug/l	97
31) Cyclohexane	7.78	56	10744	2.274	ug/l #	71
32) 1,1,1-Trichloroethane	7.70	97	7859	3.660	ug/l	95
36) 1,1-Dichloropropene	7.92	75	7977	4.145	ug/l	97
37) Ethyl Acetate	7.07	43	5180	3.992	ug/l	98
38) Carbon Tetrachloride	7.90	117	6510	3.584	ug/l #	89

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	9023	3.795	ug/l #	84
40) Benzene	8.16	78	21753	3.472	ug/l	99
41) Methacrylonitrile	7.32	41	2338	3.097	ug/l #	70
42) 1,2-Dichloroethane	8.24	62	6759	4.222	ug/l	85
43) Isopropyl Acetate	8.28	43	10412	4.141	ug/l #	88
44) Trichloroethene	8.94	130	5704	3.646	ug/l	90
45) 1,2-Dichloropropane	9.21	63	6125	3.791	ug/l #	81
46) Dibromomethane	9.31	93	3233	3.606	ug/l	91
47) Bromodichloromethane	9.49	83	8107	3.788	ug/l #	90
48) Methyl methacrylate	9.29	41	4204	3.789	ug/l	92
49) 1,4-Dioxane	9.31	88	1602	85.322	ug/l #	74
51) 4-Methyl-2-Pentanone	10.07	43	31386	22.275	ug/l	100
52) Toluene	10.24	92	14913	3.788	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	8730	3.880	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	10282	3.927	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	5806	4.087	ug/l	97
56) Ethyl methacrylate	10.51	69	8609	4.318	ug/l	97
57) 1,3-Dichloropropane	10.79	76	9115	4.012	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	19283	17.655	ug/l	98
59) 2-Hexanone	10.83	43	22199	21.863	ug/l	94
60) Dibromochloromethane	10.99	129	5783	3.863	ug/l	95
61) 1,2-Dibromoethane	11.09	107	5108	4.070	ug/l	98
64) Tetrachloroethene	10.71	164	5782	4.229	ug/l	89
65) Chlorobenzene	11.51	112	16666	3.923	ug/l #	82
66) 1,1,1,2-Tetrachloroethane	11.59	131	5400	3.669	ug/l	89
67) Ethyl Benzene	11.59	91	29702	3.849	ug/l	99
68) m/p-Xylenes	11.70	106	22686	7.790	ug/l	99
69) o-Xylene	12.02	106	12073	4.230	ug/l	87
70) Styrene	12.04	104	20327	4.094	ug/l	96
71) Bromoform	12.20	173	3559	4.004	ug/l #	96
73) Isopropylbenzene	12.32	105	28790	3.992	ug/l	100
74) N-amyl acetate	12.14	43	9847	4.625	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	8307	4.818	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	10282	7.843	ug/l #	100
77) Bromobenzene	12.60	156	6524	4.276	ug/l	90
78) n-propylbenzene	12.66	91	34388	3.902	ug/l	100
79) 2-Chlorotoluene	12.75	91	20182	4.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	24447	4.060	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.37	75	3295	4.985	ug/l	97
82) 4-Chlorotoluene	12.85	91	20531	3.969	ug/l	99
83) tert-Butylbenzene	13.07	119	20882	4.036	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	25393	4.269	ug/l	96
85) sec-Butylbenzene	13.25	105	28927	3.788	ug/l	100
86) p-Isopropyltoluene	13.36	119	24346	3.758	ug/l	98
87) 1,3-Dichlorobenzene	13.35	146	12400	4.039	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	12858	4.161	ug/l	92
89) n-Butylbenzene	13.69	91	24835	3.783	ug/l	97
90) Hexachloroethane	13.95	117	5050	3.901	ug/l	94
91) 1,2-Dichlorobenzene	13.73	146	12105	4.236	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1844	2.912	ug/l	82

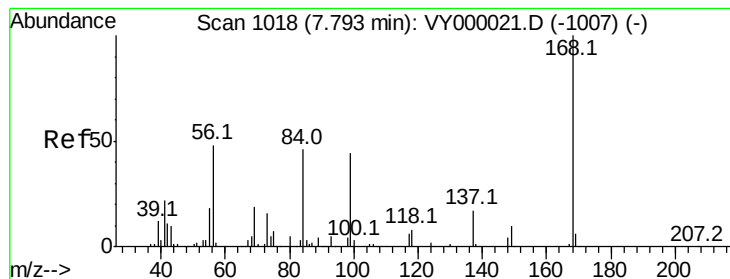
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	7428	4.074	ug/l	98
94) Hexachlorobutadiene	15.10	225	3028	3.621	ug/l	96
95) Naphthalene	15.22	128	22518	4.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	7359	4.496	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

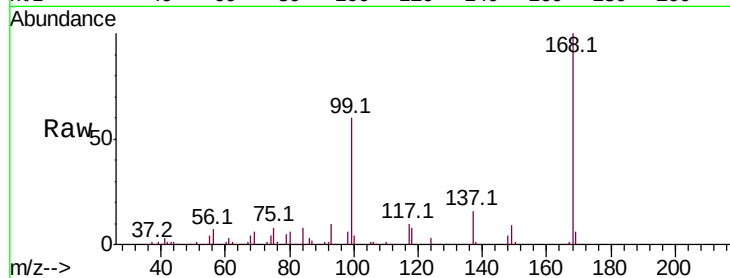
ClientSampled :

Tot Ion:168 Resp: 135620

Ion Ratio Lower Upper

168 100

99 59.8 46.3 69.5



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

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

7.79

60000

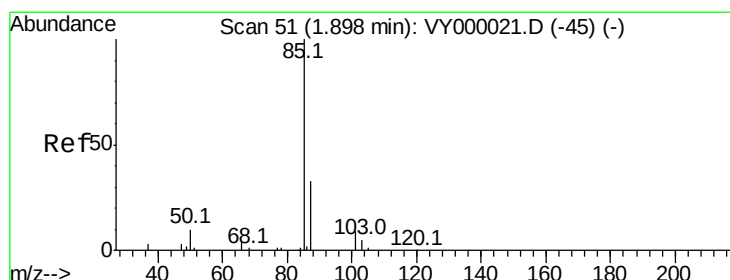
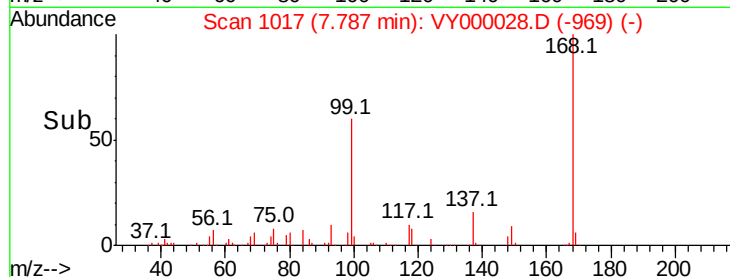
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.104 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000028.D

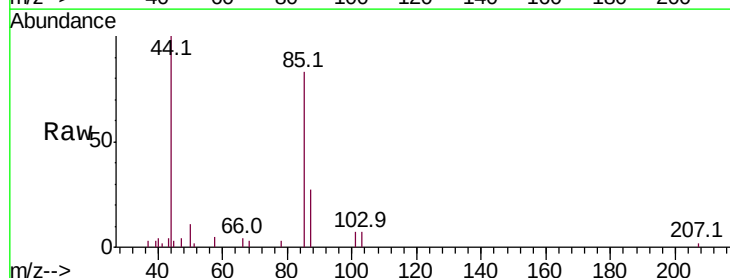
Acq: 12 Sep 2019 15:39

Tgt Ion: 85 Resp: 4104

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.7



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

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

1.90

3000

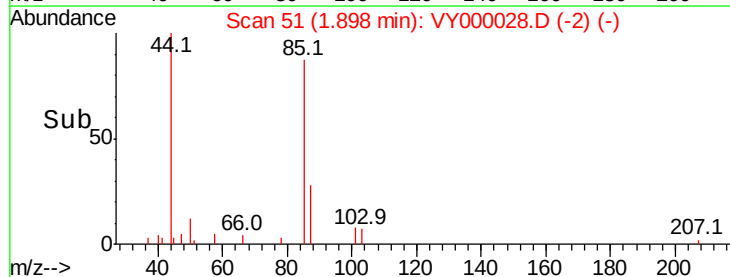
2000

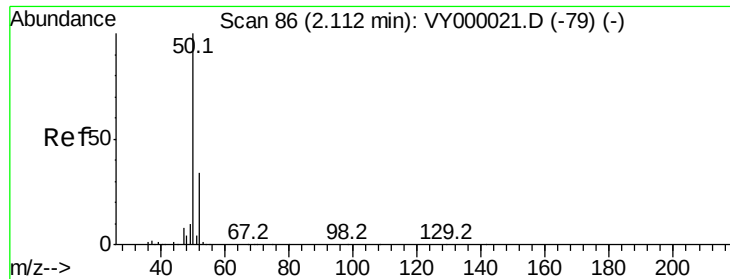
1000

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

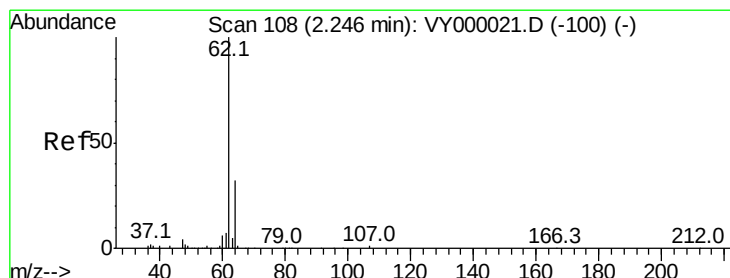
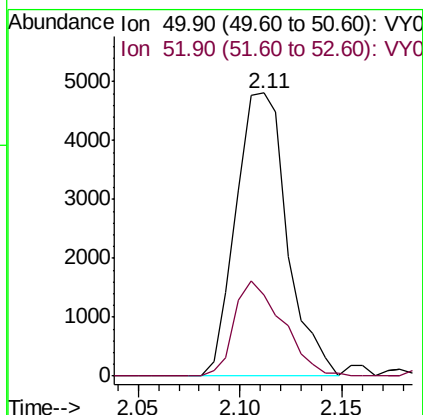
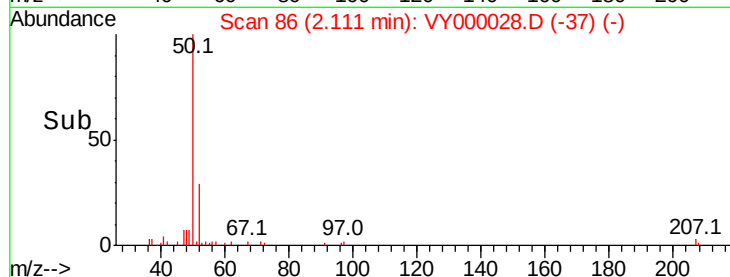
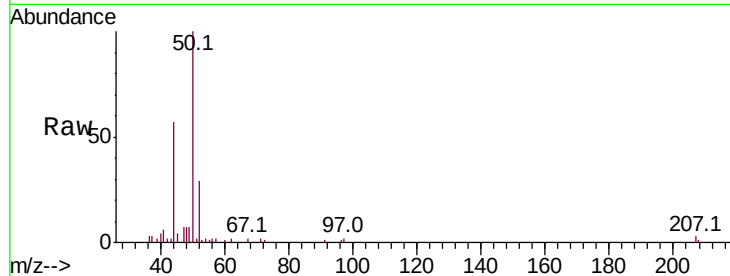
ClientSampled :

Tot Ion: 50 Resp: 8381

Ion Ratio Lower Upper

50 100

52 28.7 27.0 40.6



#4

Vinyl Chloride

Concen: 3.954 ug/l

RT: 2.24 min Scan# 107

Delta R.T. -0.01 min

Lab File: VY000028.D

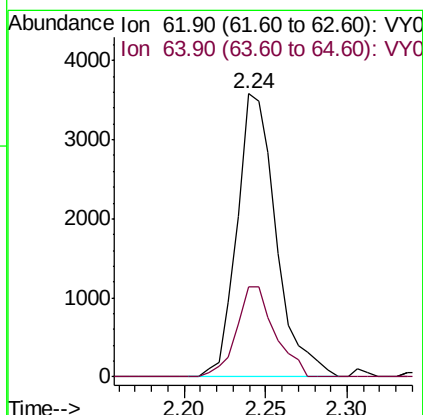
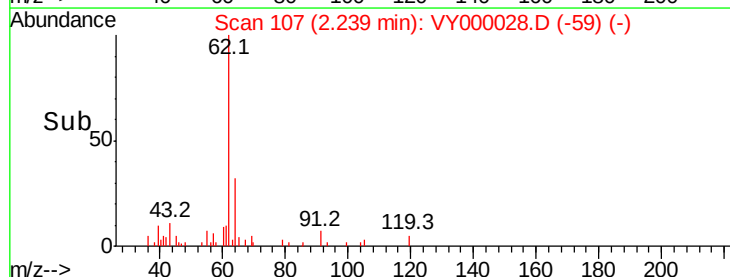
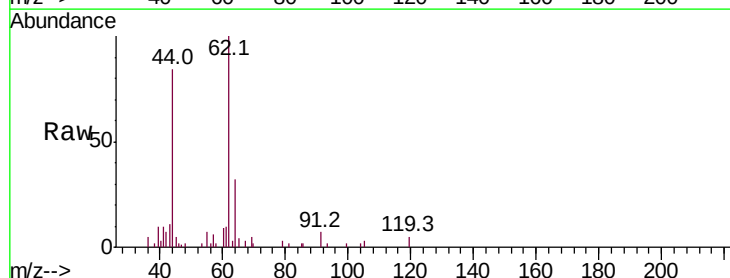
Acq: 12 Sep 2019 15:39

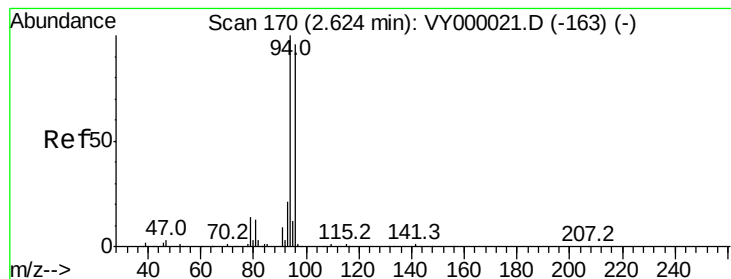
Tgt Ion: 62 Resp: 5997

Ion Ratio Lower Upper

62 100

64 32.1 26.1 39.1





#5

Bromomethane

Concen: 4.372 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

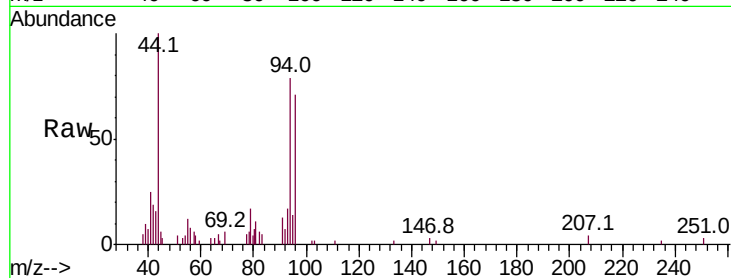
ClientSampled :

Tot Ion: 94 Resp: 5125

Ion Ratio Lower Upper

94 100

96 85.6 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2500

2000

1500

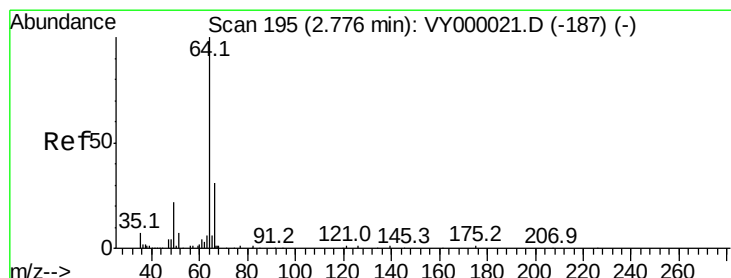
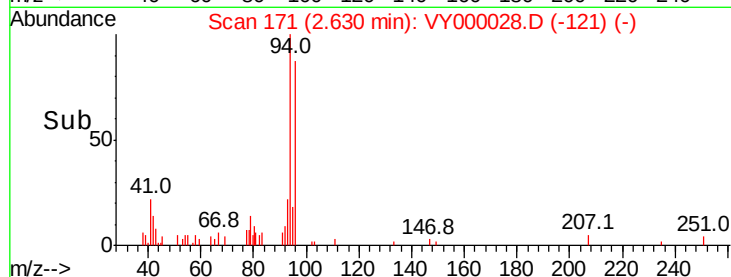
1000

500

0

2.55 2.60 2.65 2.70

Time-->



#6

Chloroethane

Concen: 4.307 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VY000028.D

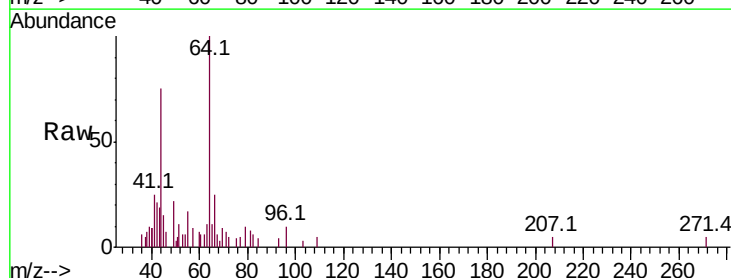
Acq: 12 Sep 2019 15:39

Tgt Ion: 64 Resp: 4349

Ion Ratio Lower Upper

64 100

66 25.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2000

1500

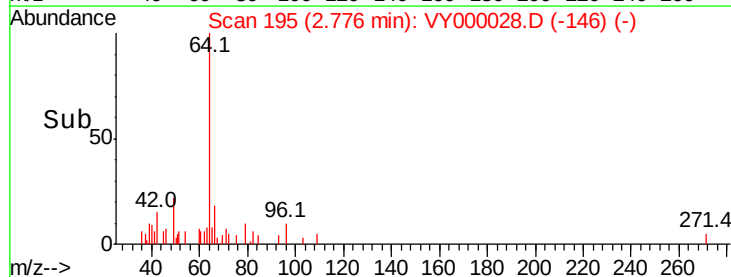
1000

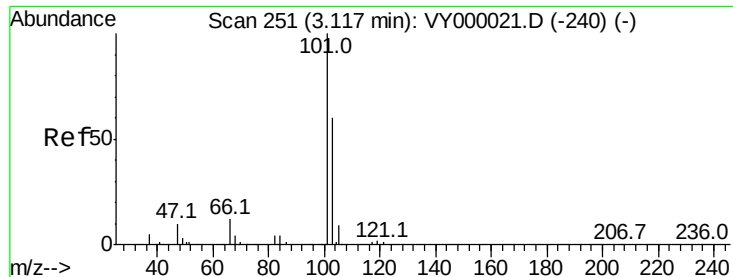
500

0

2.70 2.75 2.80 2.85 2.90

Time-->



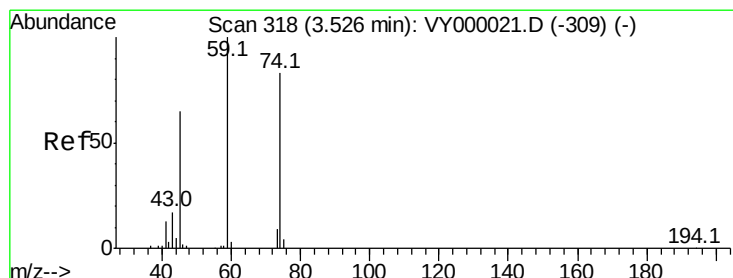
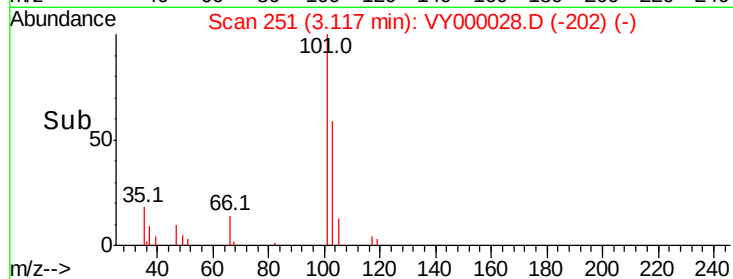
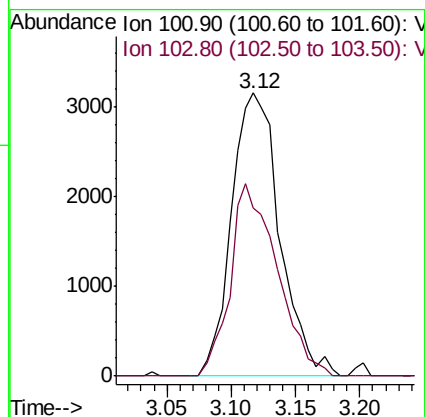
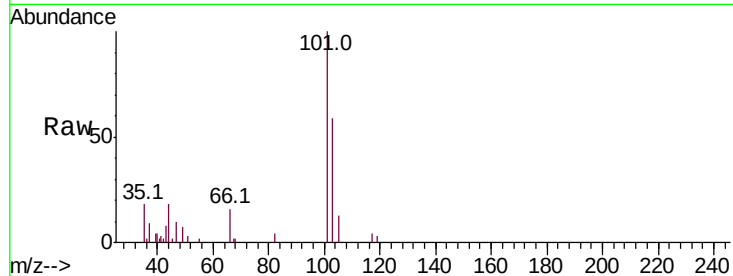


#7

Trichlorofluoromethane
 Concen: 4.163 ug/l
 RT: 3.12 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

Instrument :
 MSVOA_Y
 ClientSampled :

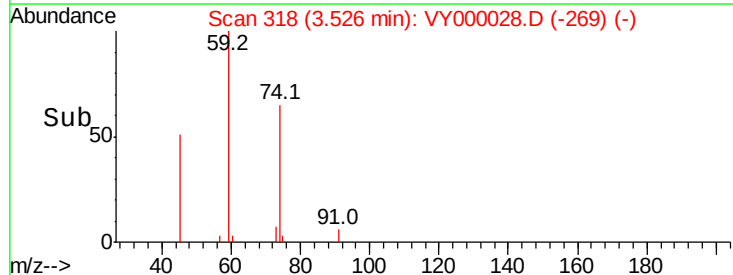
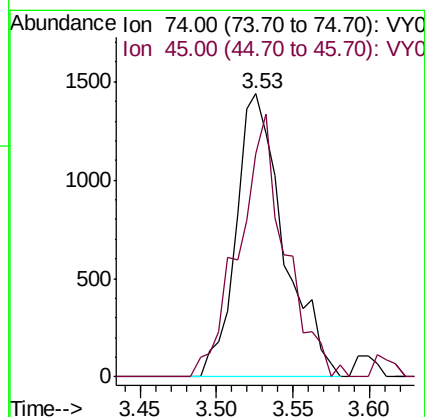
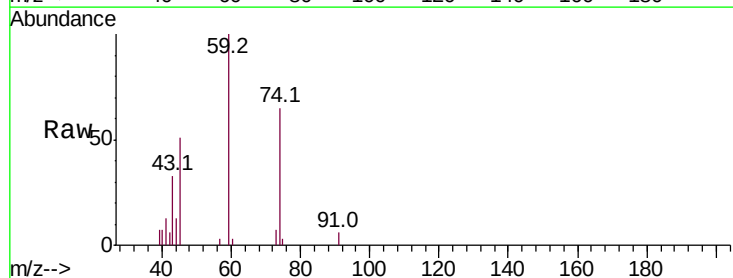
Tot Ion:101 Resp: 8204
 Ion Ratio Lower Upper
 101 100
 103 59.4 48.1 72.1

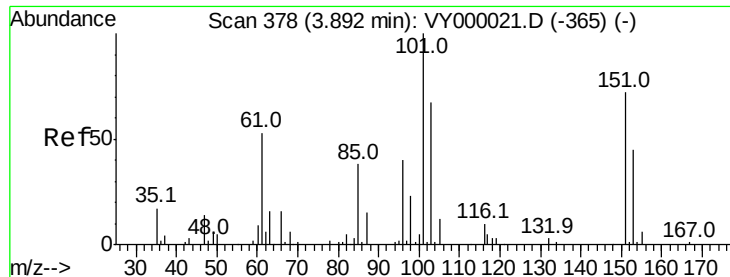


#8

Diethyl Ether
 Concen: 3.854 ug/l
 RT: 3.53 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

Tgt Ion: 74 Resp: 3121
 Ion Ratio Lower Upper
 74 100
 45 89.8 41.9 125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.962 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

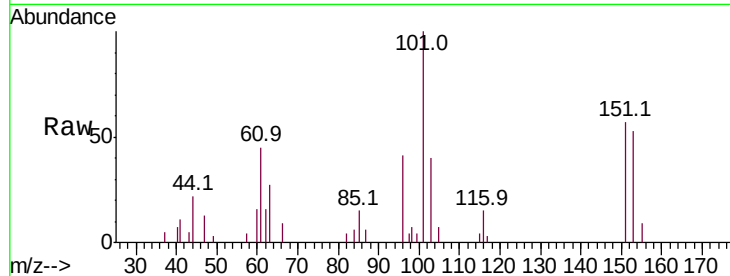
Tot Ion:101 Resp: 5313

Ion Ratio Lower Upper

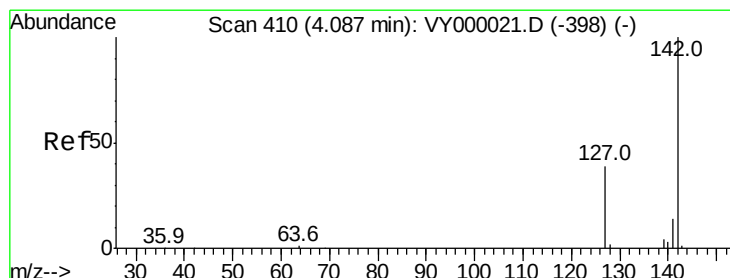
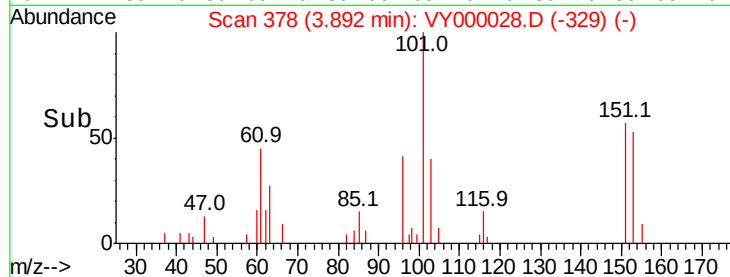
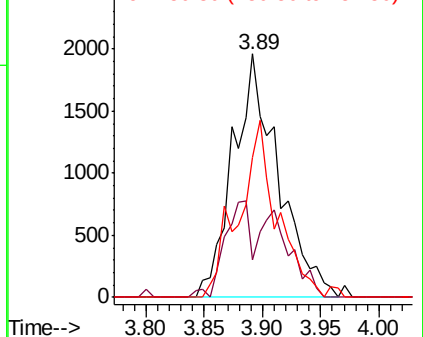
101 100

85 22.4 35.3 52.9#

151 61.4 55.9 83.9



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.318 ug/l

RT: 4.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

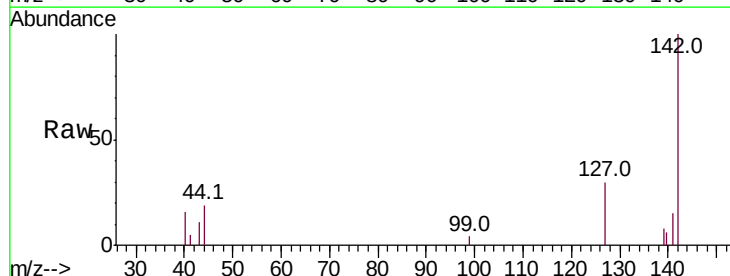
Tgt Ion:142 Resp: 3399

Ion Ratio Lower Upper

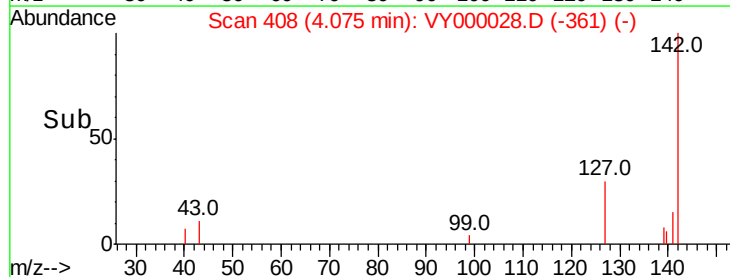
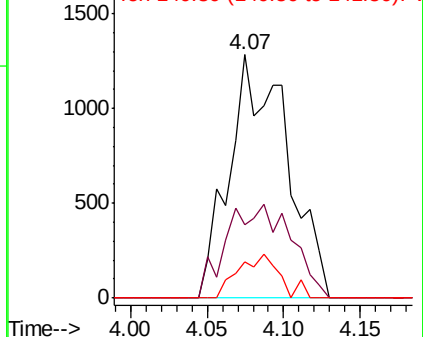
142 100

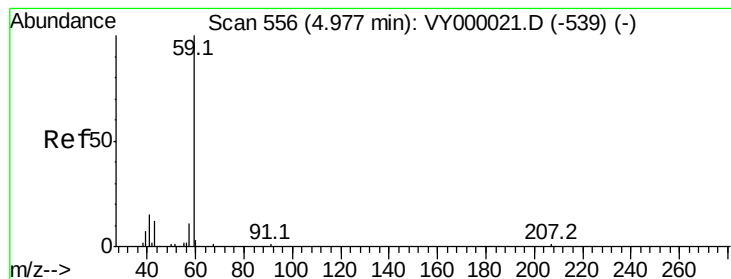
127 42.6 31.4 47.2

141 12.9 10.6 16.0



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



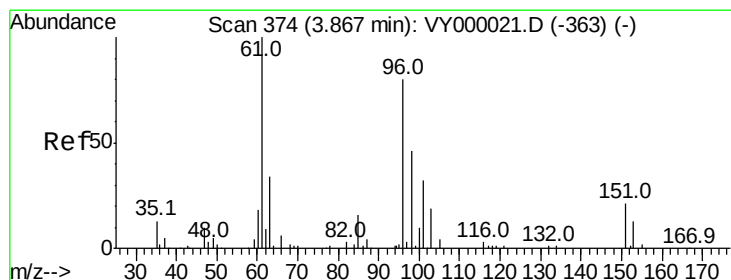
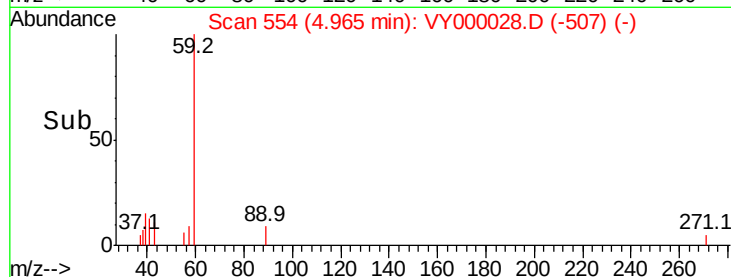
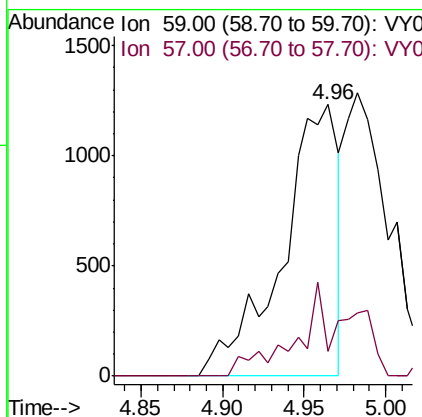
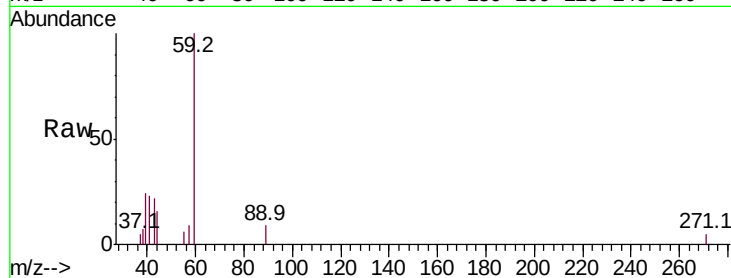


#11

Tert butyl alcohol
 Concen: 15.867 ug/l
 RT: 4.96 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

Instrument :
 MSVOA_Y
 ClientSampled :

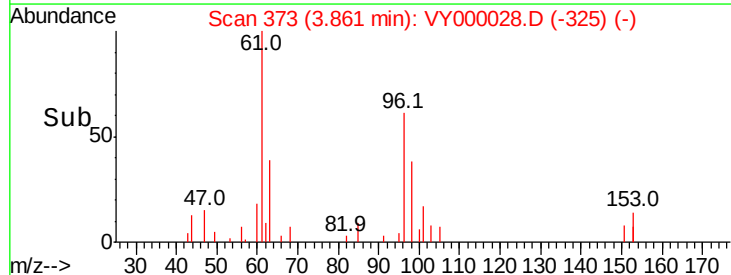
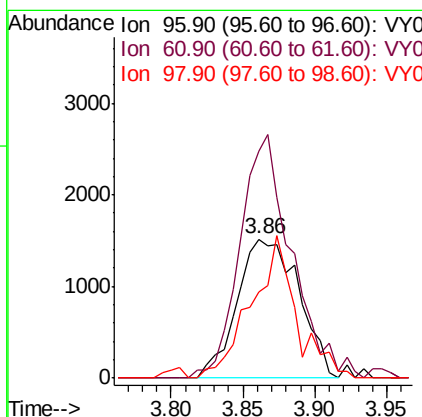
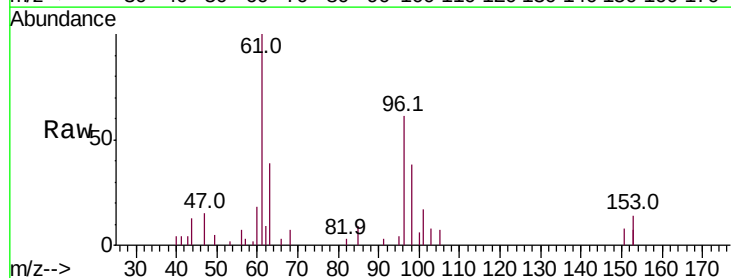
Tot Ion: 59 Resp: 2947
 Ion Ratio Lower Upper
 59 100
 57 17.7 8.3 12.5#

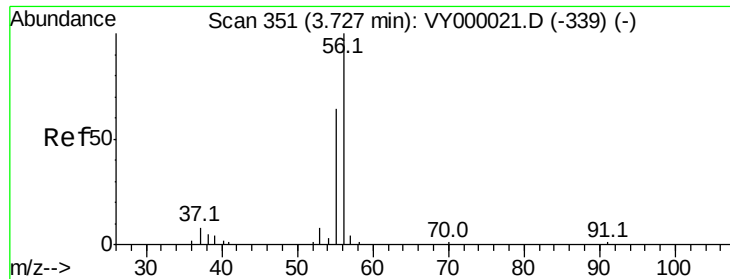


#12

1,1-Dichloroethene
 Concen: 3.617 ug/l
 RT: 3.86 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

Tgt Ion: 96 Resp: 4520
 Ion Ratio Lower Upper
 96 100
 61 163.5 99.8 149.6#
 98 61.7 46.3 69.5





#13

Acrolein

Concen: Below Cal

RT: 3.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

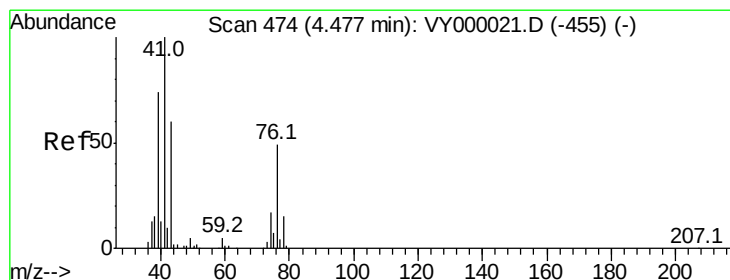
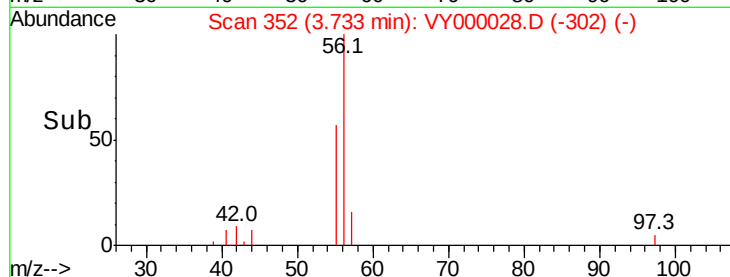
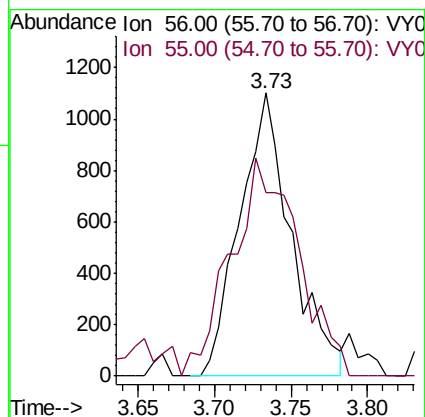
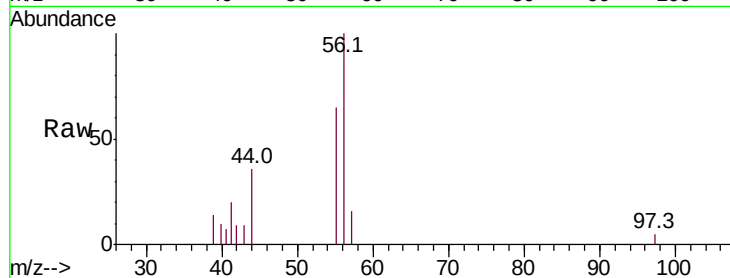
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 2573

Ion Ratio Lower Upper

56 100

55 100.3 56.7 85.1#



#14

Allyl chloride

Concen: 3.774 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

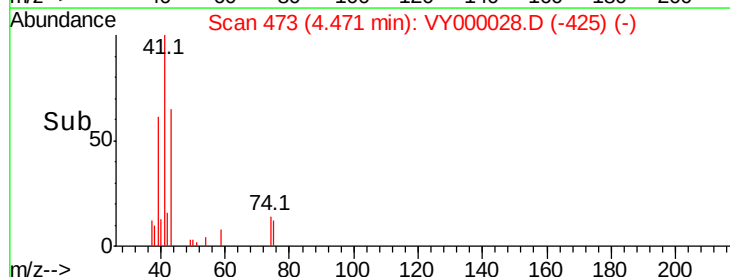
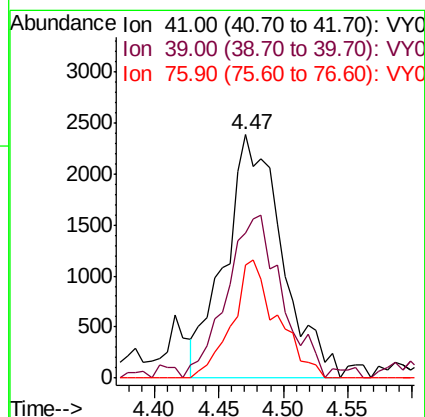
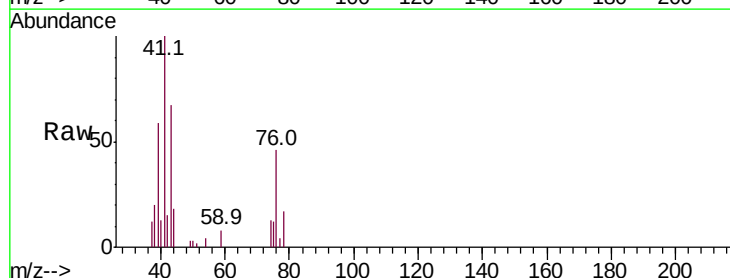
Tgt Ion: 41 Resp: 7324

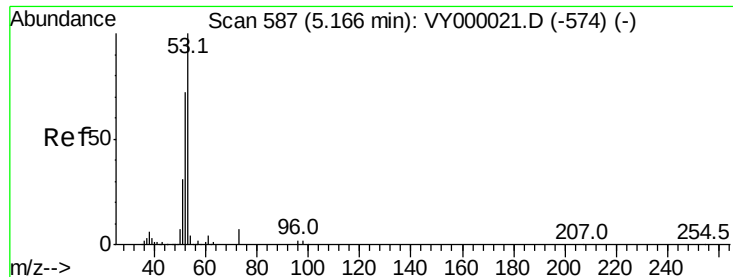
Ion Ratio Lower Upper

41 100

39 65.5 53.1 79.7

76 38.5 34.9 52.3





#15

Acrylonitrile

Concen: 19.306 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

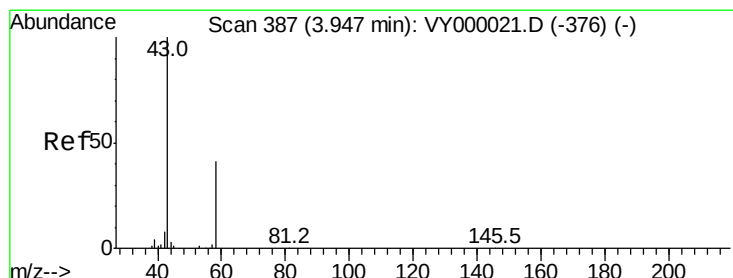
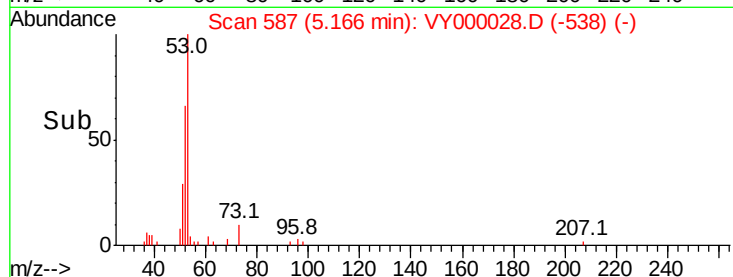
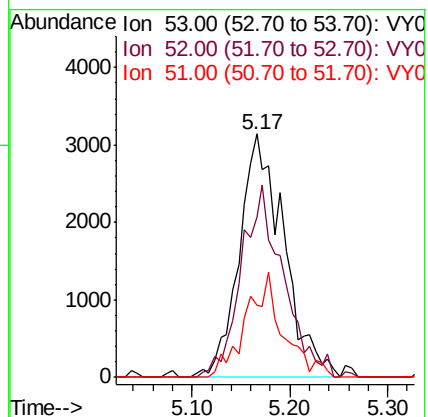
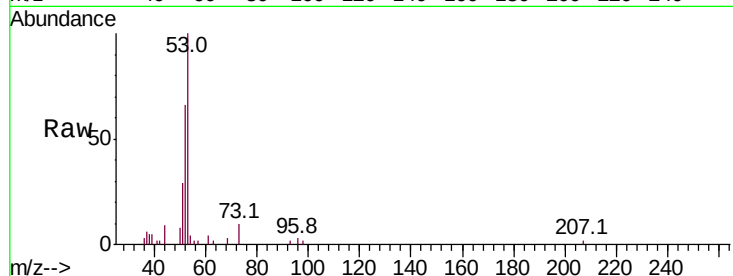
Tot Ion: 53 Resp: 9920

Ion Ratio Lower Upper

53 100

52 74.9 62.8 94.2

51 34.1 26.6 40.0



#16

Acetone

Concen: 18.719 ug/l

RT: 3.95 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000028.D

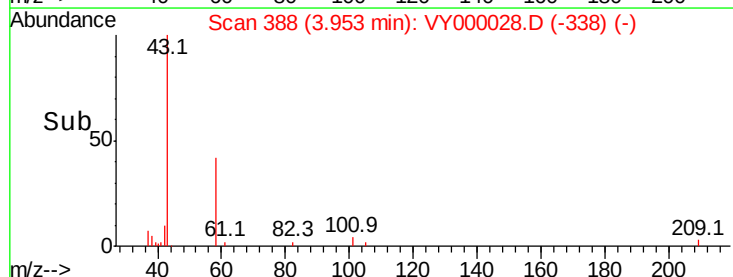
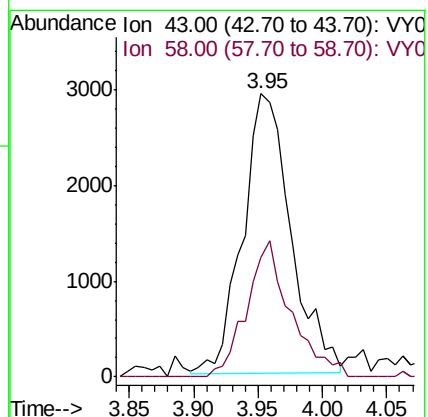
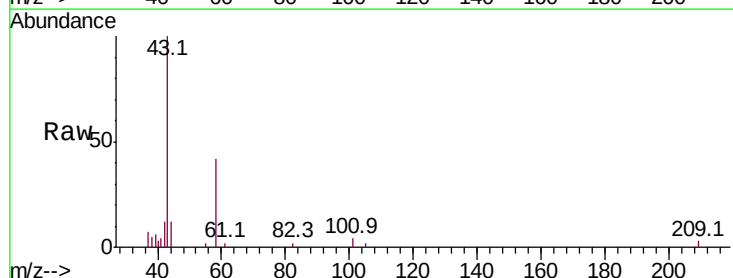
Acq: 12 Sep 2019 15:39

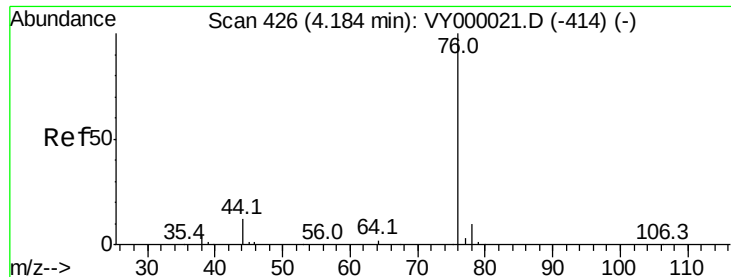
Tgt Ion: 43 Resp: 7583

Ion Ratio Lower Upper

43 100

58 43.3 32.5 48.7





#17

Carbon Disulfide

Concen: 3.345 ug/l

RT: 4.18 min Scan# 425

Delta R.T. -0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

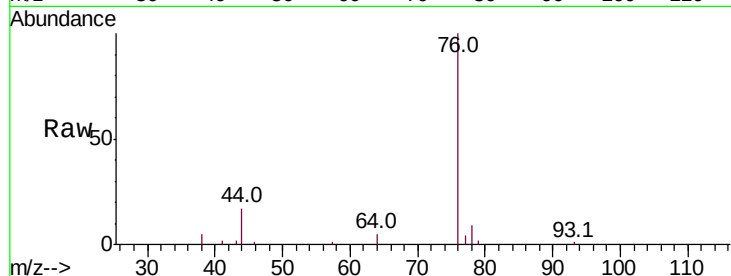
ClientSampled :

Tot Ion: 76 Resp: 12510

Ion Ratio Lower Upper

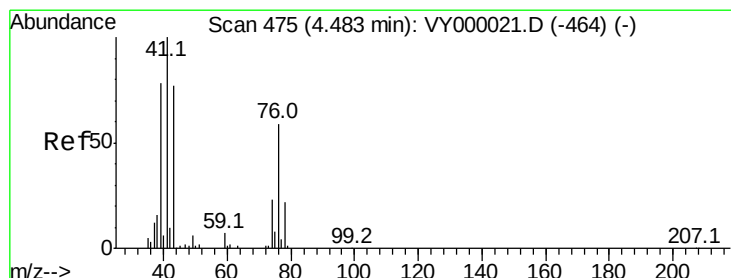
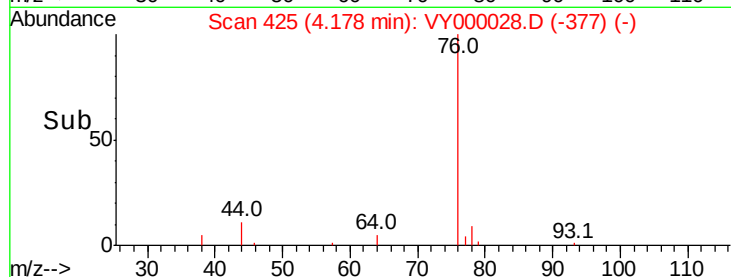
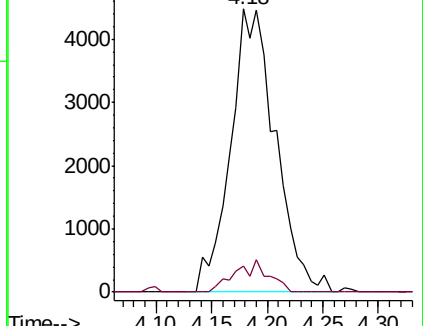
76 100

78 9.2 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 4.478 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000028.D

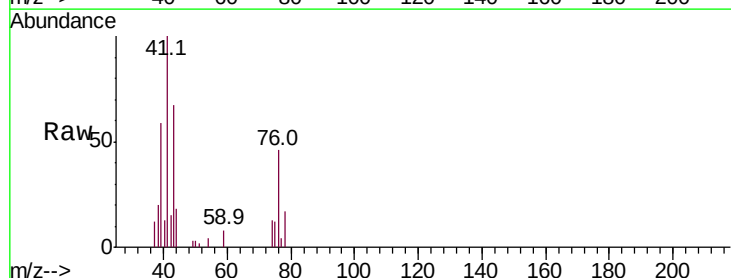
Acq: 12 Sep 2019 15:39

Tgt Ion: 43 Resp: 5104

Ion Ratio Lower Upper

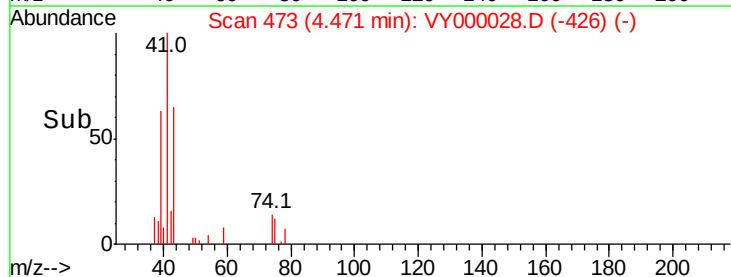
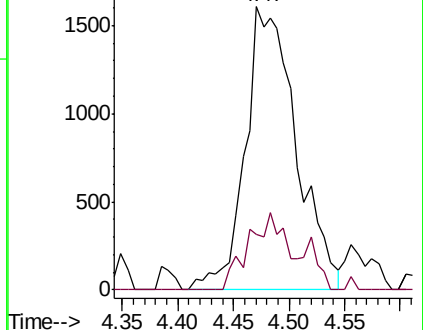
43 100

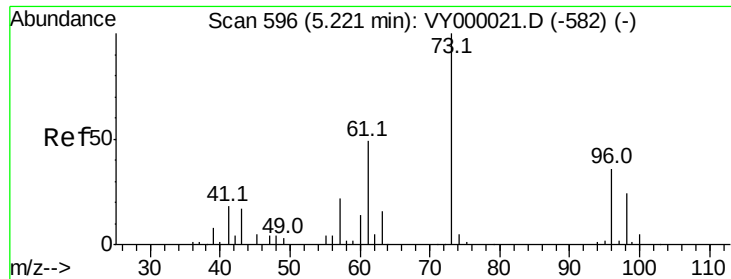
74 20.5 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

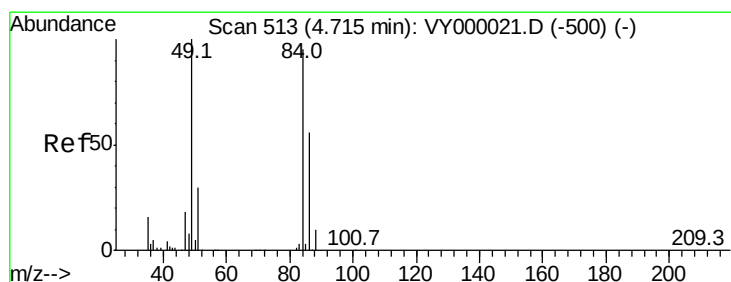
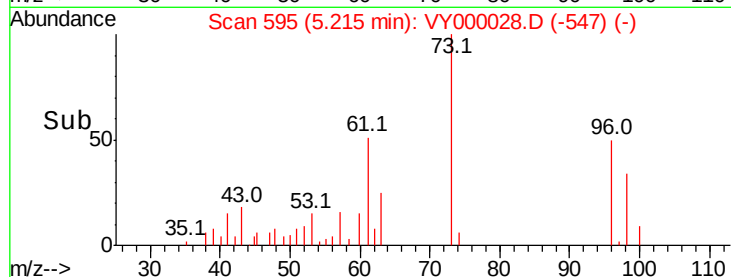
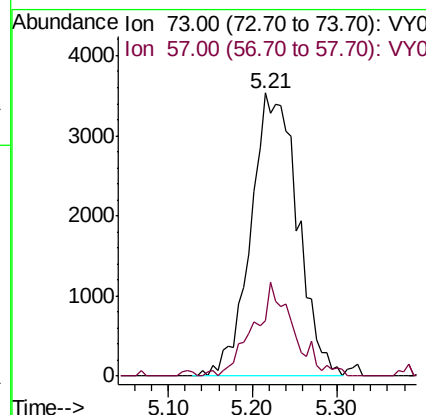
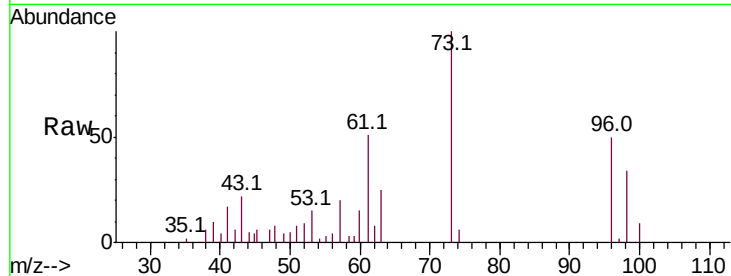




#19
Methyl tert-butyl Ether
Concen: 3.535 ug/l
RT: 5.21 min Scan# 595
Delta R.T. -0.01 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

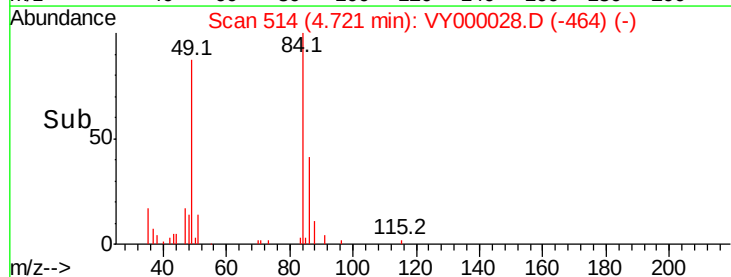
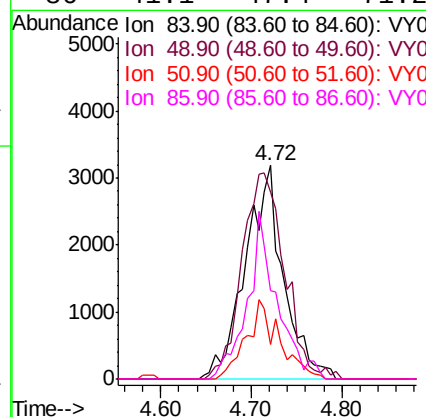
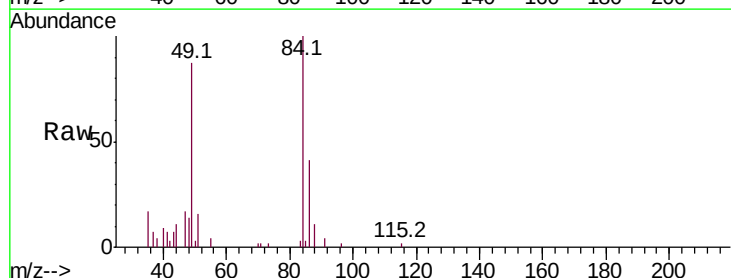
Instrument :
MSVOA_Y
ClientSampled :

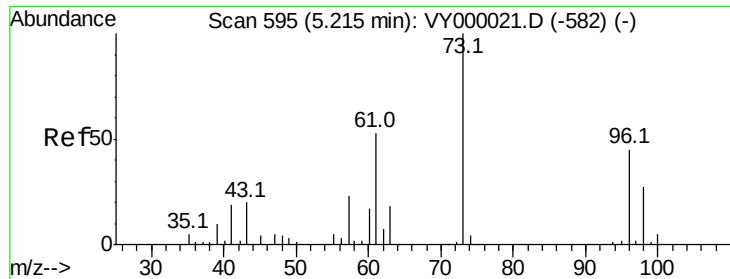
Tot Ion: 73 Resp: 13380
Ion Ratio Lower Upper
73 100
57 17.9 17.8 26.8



#20
Methylene Chloride
Concen: 2.869 ug/l
RT: 4.72 min Scan# 514
Delta R.T. 0.01 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion: 84 Resp: 9236
Ion Ratio Lower Upper
84 100
49 87.3 84.4 126.6
51 16.4 25.4 38.0#
86 41.1 47.4 71.2#





#21

trans-1,2-Dichloroethene

Concen: 4.219 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :
MSVOA_Y
ClientSampled :

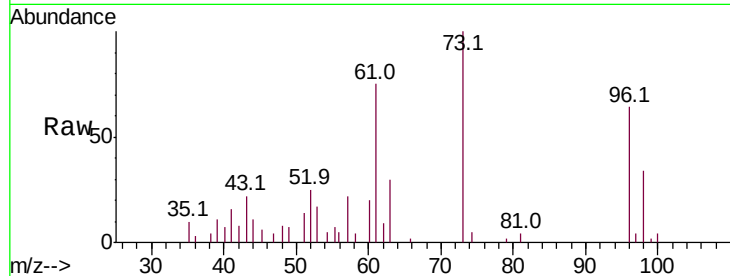
Tot Ion: 96 Resp: 5839

Ion Ratio Lower Upper

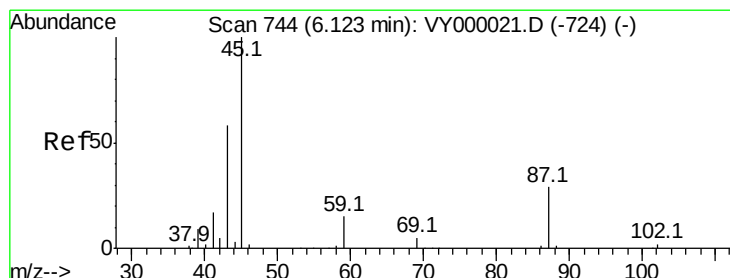
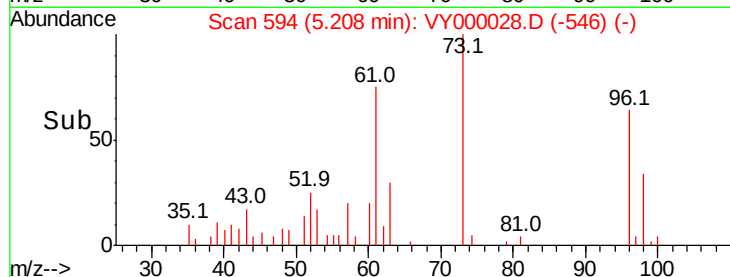
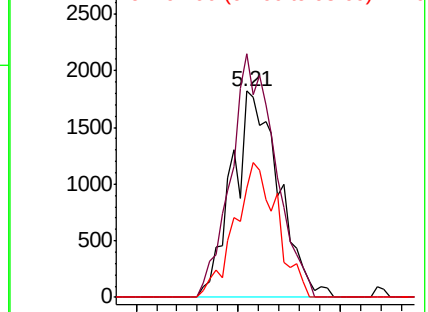
96 100

61 118.1 95.3 142.9

98 53.0 48.7 73.1



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



#22

Diisopropyl ether

Concen: 3.625 ug/l

RT: 6.13 min Scan# 745

Delta R.T. 0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Tgt Ion: 45 Resp: 15530

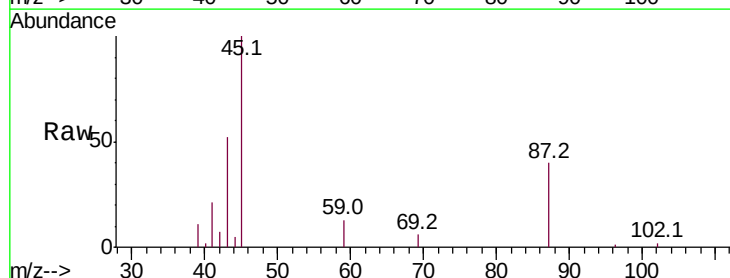
Ion Ratio Lower Upper

45 100

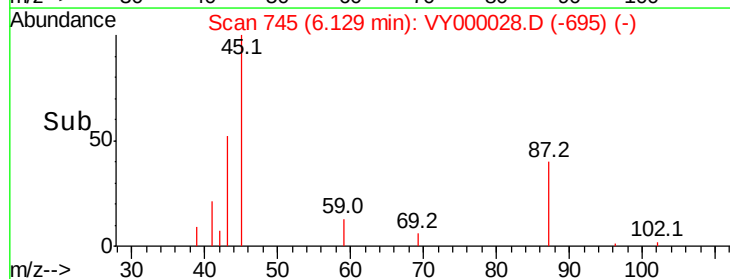
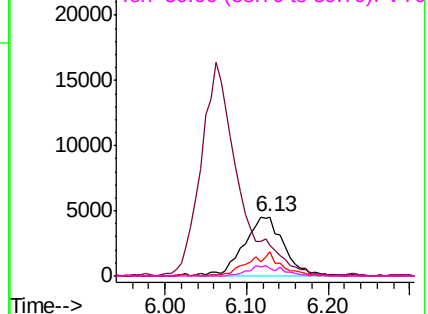
43 49.6 47.0 70.4

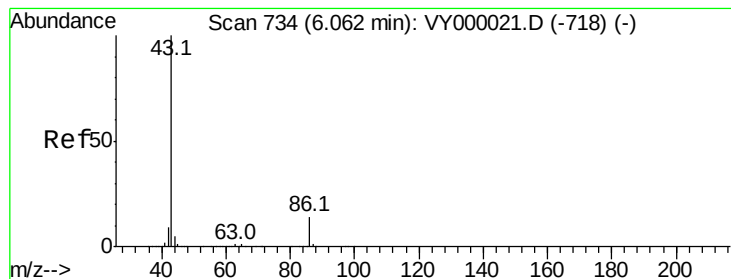
87 40.5 23.1 34.7#

59 13.0 11.8 17.6



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





#23

Vinyl Acetate

Concen: 17.895 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

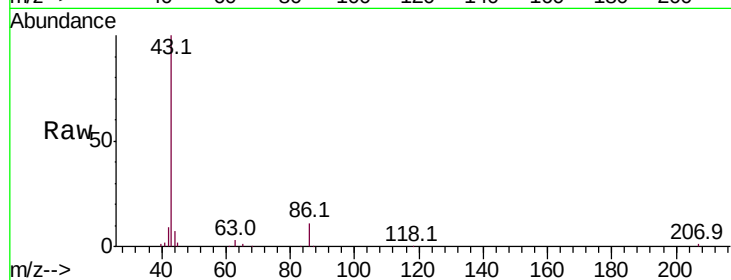
ClientSampleId :

Tot Ion: 43 Resp: 53031

Ion Ratio Lower Upper

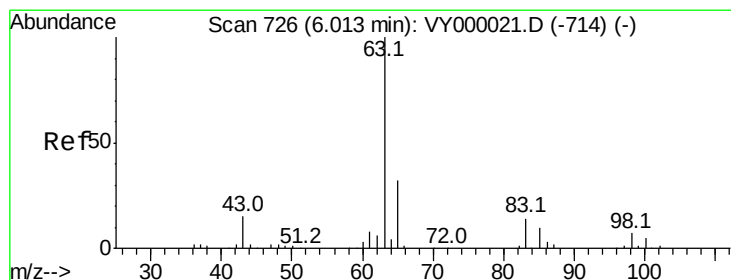
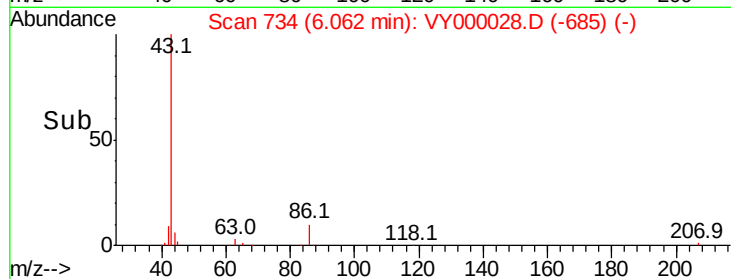
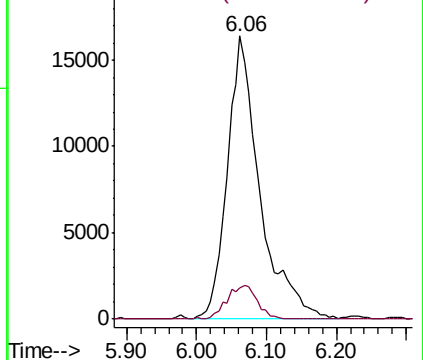
43 100

86 11.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 3.842 ug/l

RT: 6.03 min Scan# 728

Delta R.T. 0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

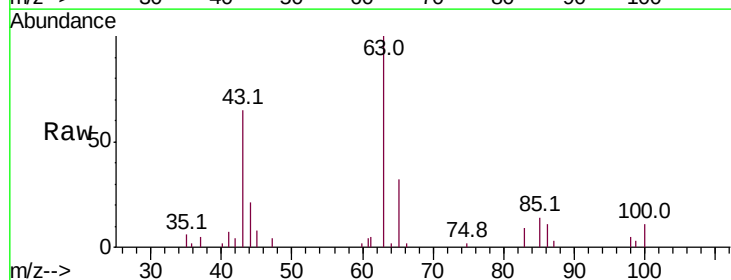
Tgt Ion: 63 Resp: 9754

Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

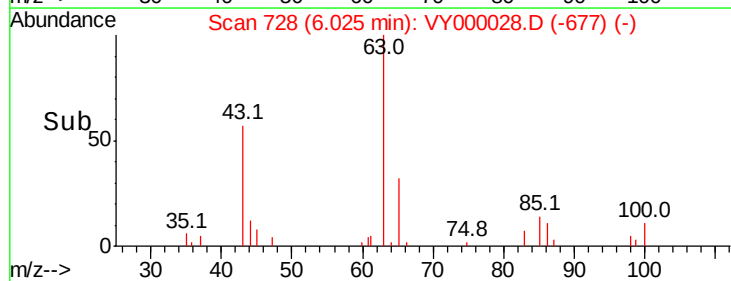
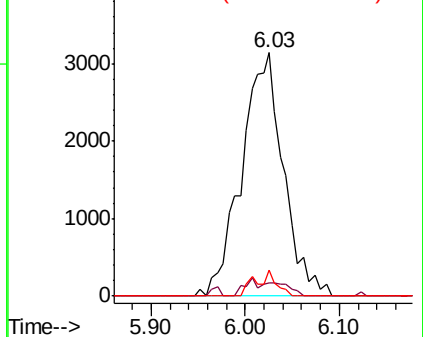
100 10.8 2.6 8.0#

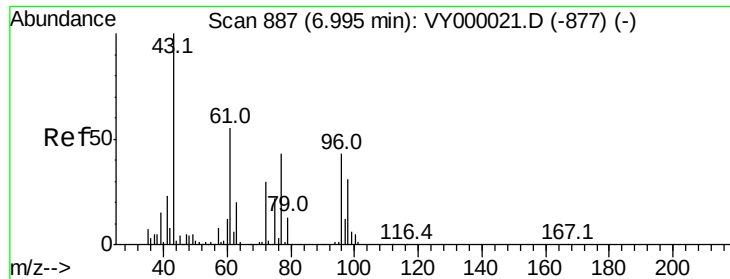


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 23.549 ug/l

RT: 7.00 min Scan# 888

Delta R.T. 0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

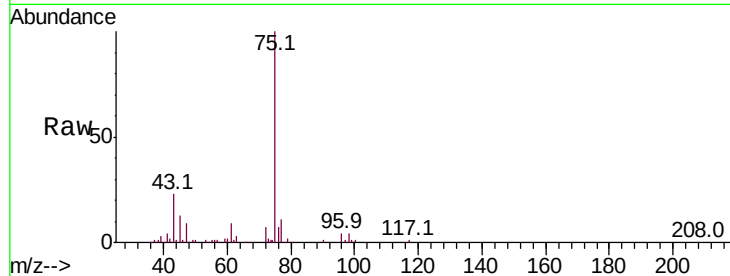
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 15505

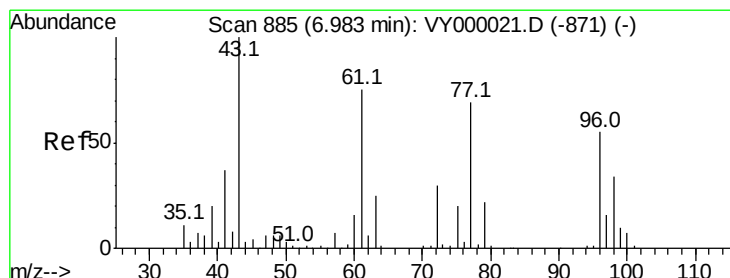
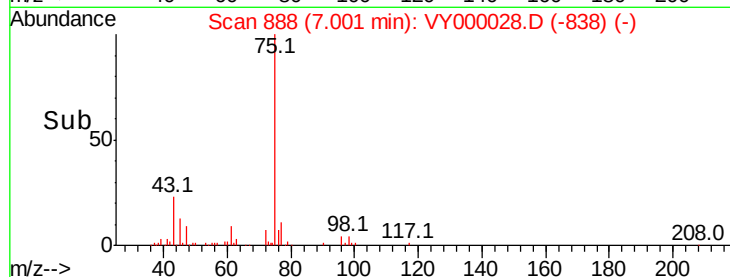
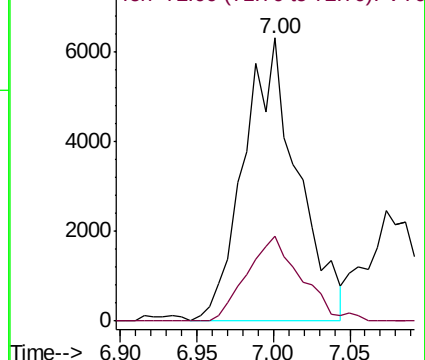
Ion Ratio Lower Upper

43 100

72 30.1 24.1 36.1



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



#26

2,2-Dichloropropane

Concen: 5.100 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000028.D

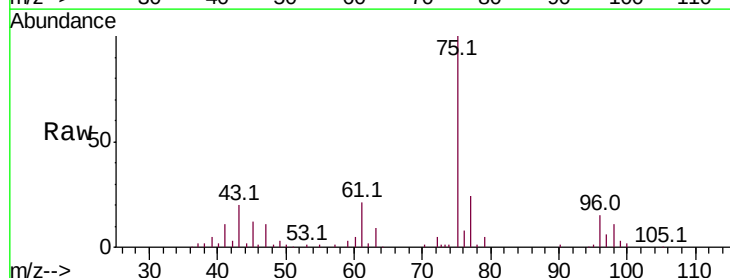
Acq: 12 Sep 2019 15:39

Tgt Ion: 77 Resp: 12027

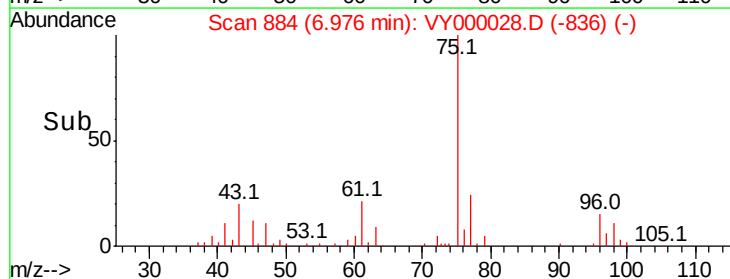
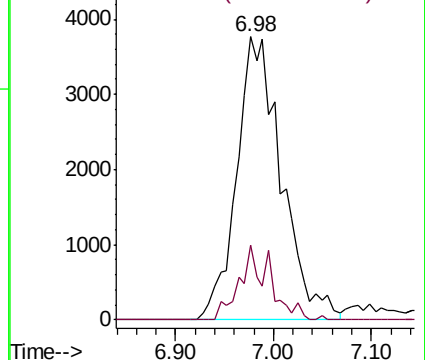
Ion Ratio Lower Upper

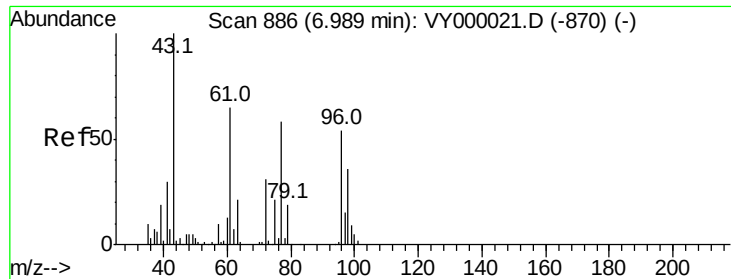
77 100

97 17.4 12.0 36.1



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



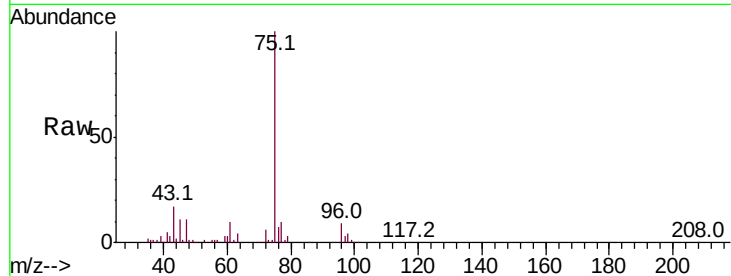


#27

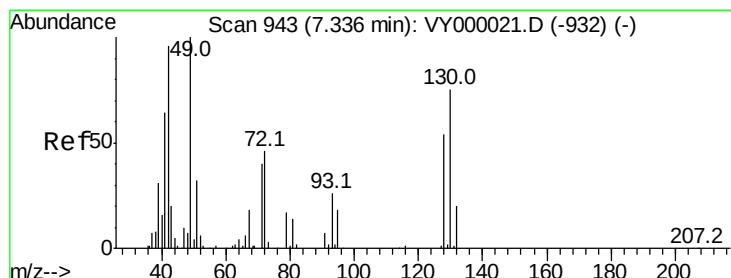
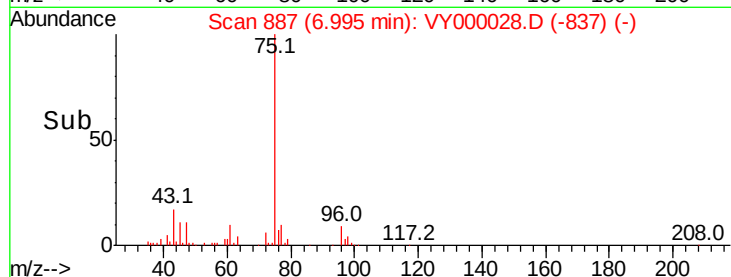
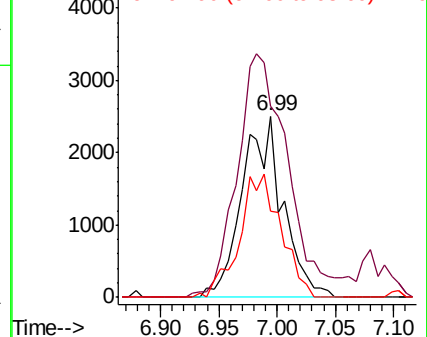
cis-1,2-Dichloroethene
Concen: 3.491 ug/l
RT: 6.99 min Scan# 887
Delta R.T. 0.01 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 6095
Ion Ratio Lower Upper
96 100
61 167.7 0.0 259.2
98 69.5 0.0 127.4



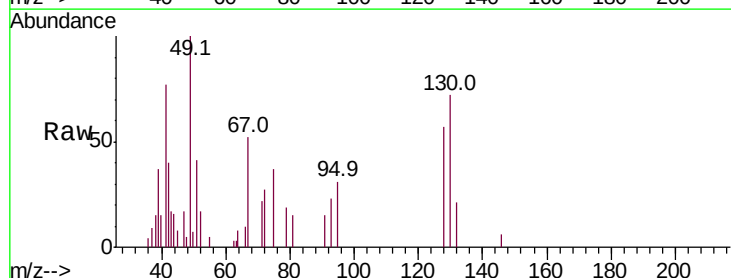
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



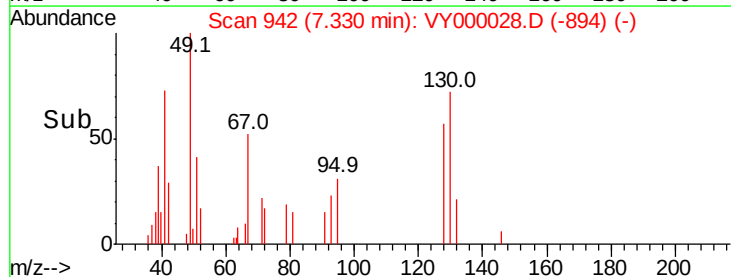
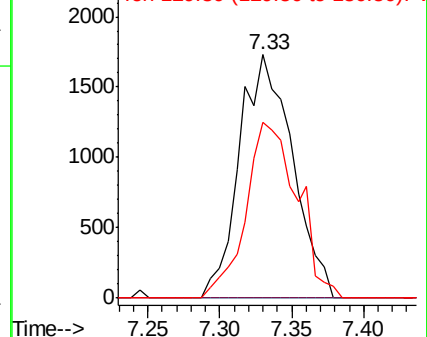
#28

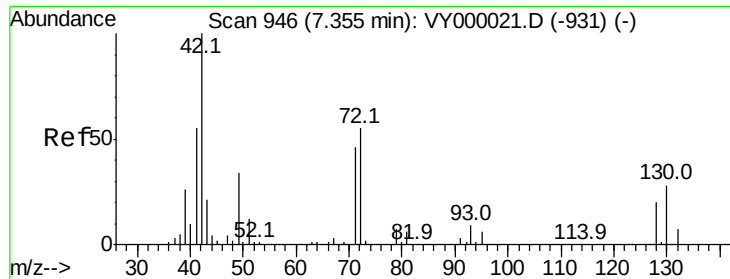
Bromochloromethane
Concen: 3.802 ug/l
RT: 7.33 min Scan# 942
Delta R.T. -0.01 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion: 49 Resp: 4432
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.8
130 70.2 62.5 93.7



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

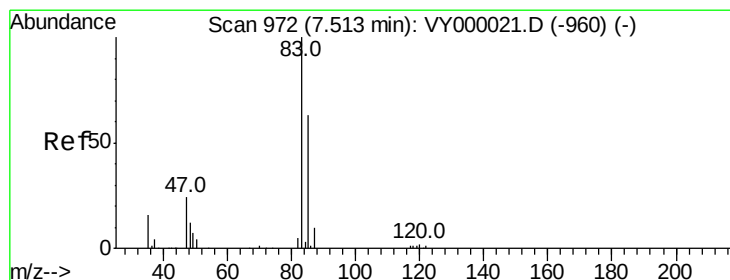
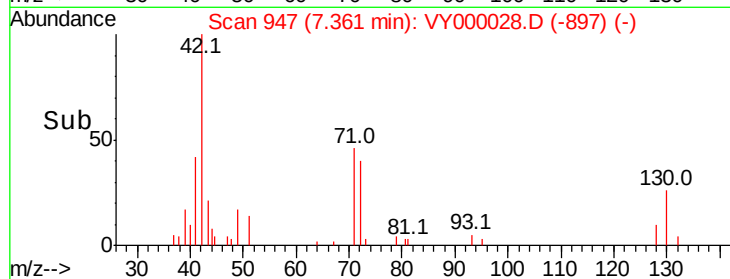
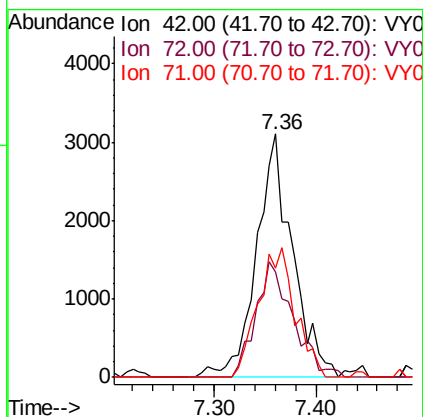
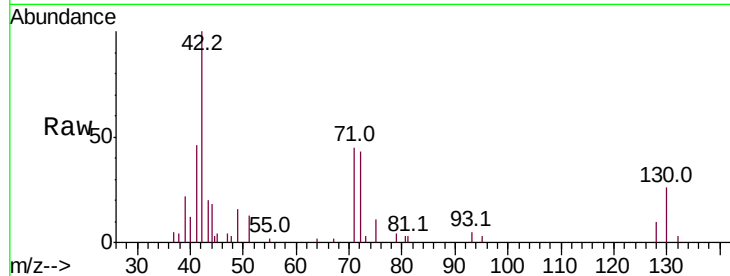




#29
Tetrahydrofuran
Concen: 19.432 ug/l
RT: 7.36 min Scan# 947
Delta R.T. 0.01 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

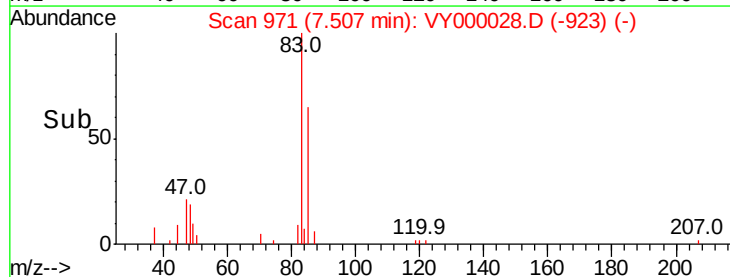
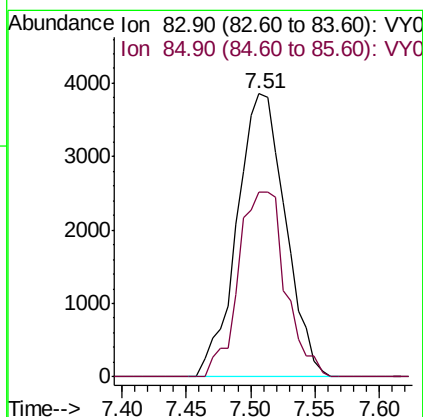
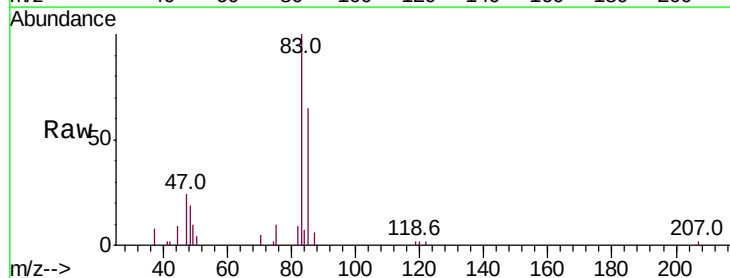
Instrument :
MSVOA_Y
ClientSampled :

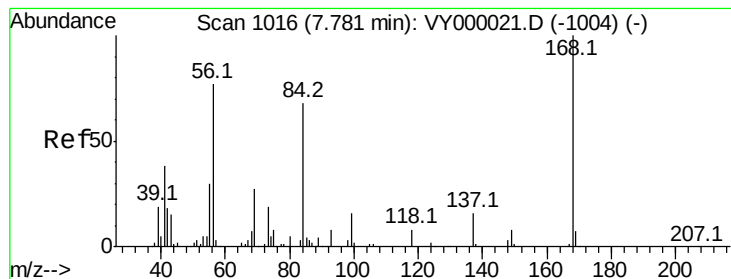
Tot Ion: 42 Resp: 7611
Ion Ratio Lower Upper
42 100
72 49.4 41.1 61.7
71 54.7 36.5 54.7



#30
Chloroform
Concen: 3.836 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion: 83 Resp: 10042
Ion Ratio Lower Upper
83 100
85 65.3 50.6 76.0





#31

Cyclohexane

Concen: 2.274 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

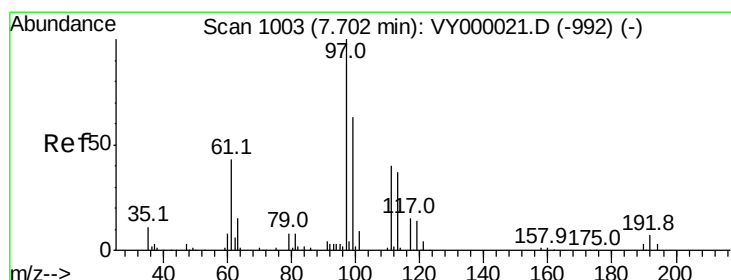
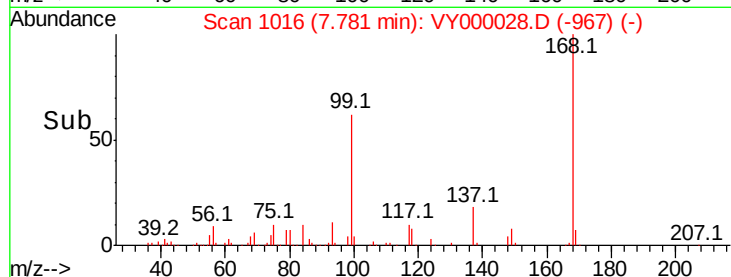
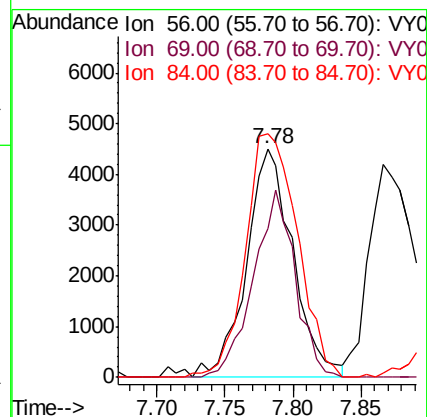
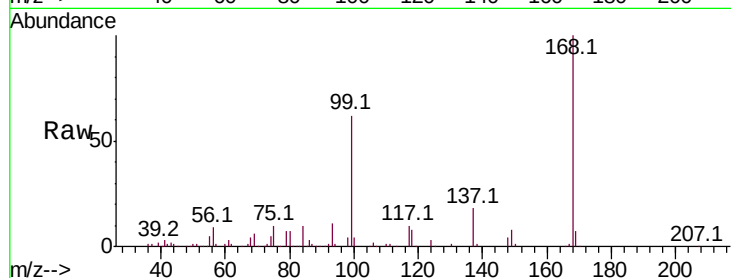
Tot Ion: 56 Resp: 10744

Ion Ratio Lower Upper

56 100

69 65.2 28.0 42.0#

84 106.4 70.4 105.6#



#32

1,1,1-Trichloroethane

Concen: 3.660 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

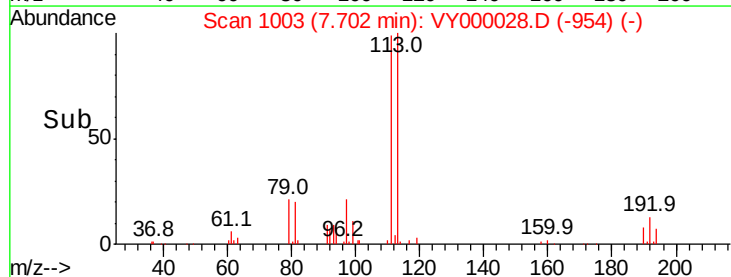
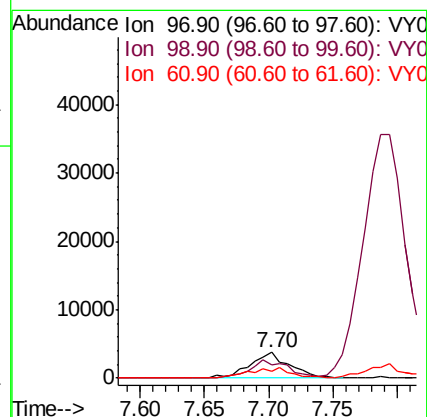
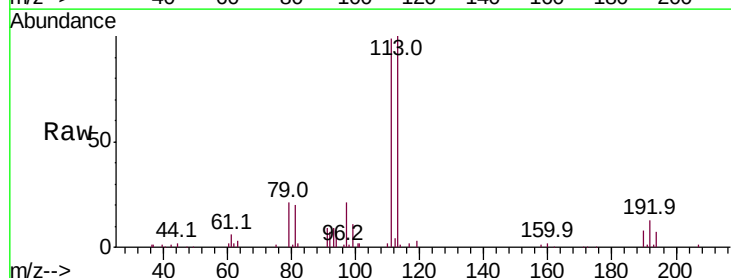
Tgt Ion: 97 Resp: 7859

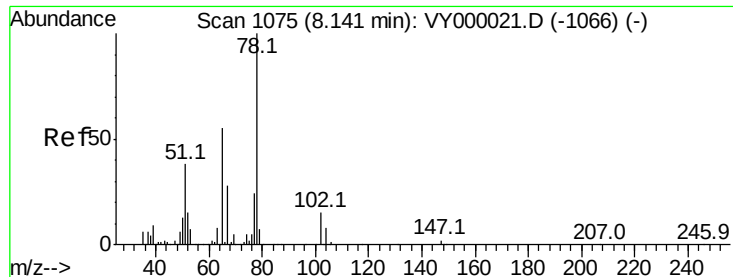
Ion Ratio Lower Upper

97 100

99 69.9 51.0 76.6

61 43.9 35.7 53.5

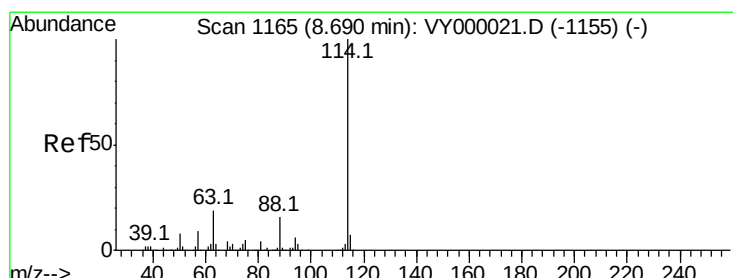
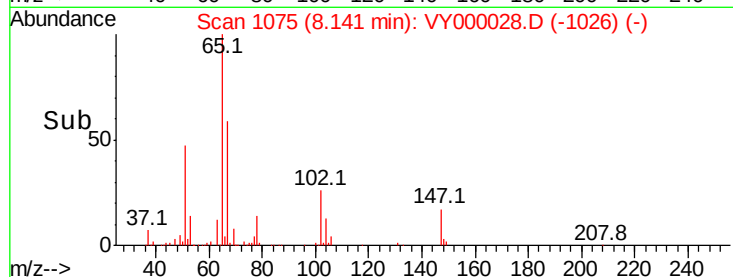
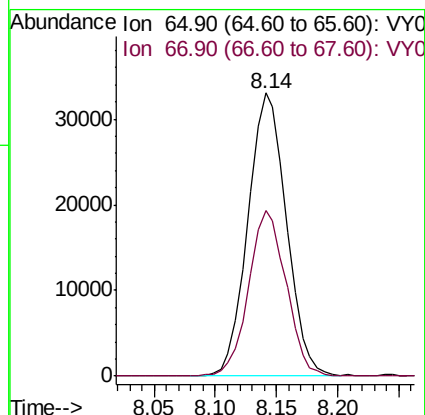
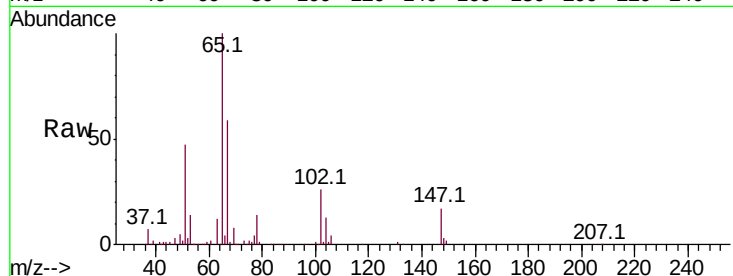




#33
 1,2-Dichloroethane-d4
 Concen: 49.591 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

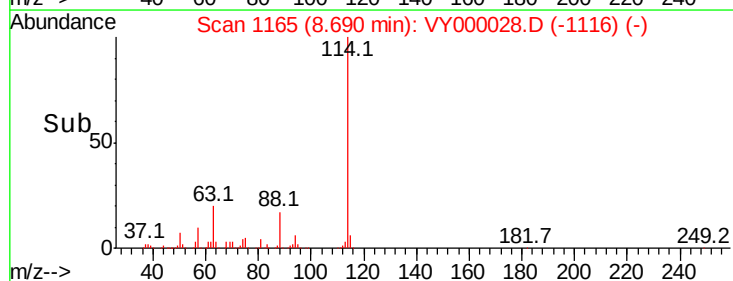
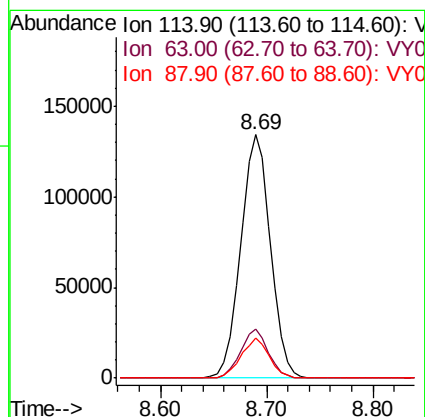
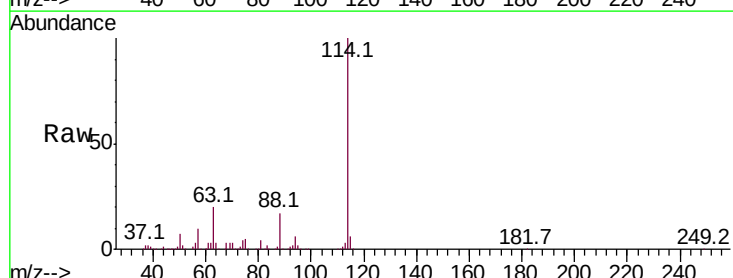
Instrument :
 MSVOA_Y
 ClientSampled :

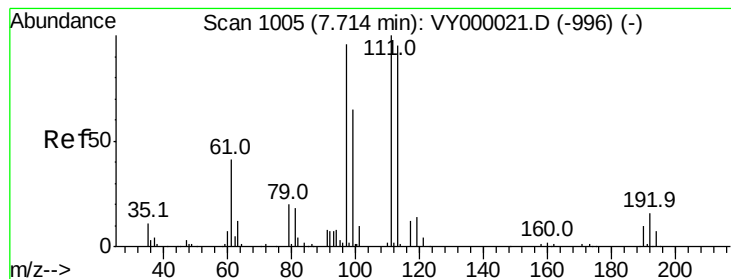
Tot Ion: 65 Resp: 72448
 Ion Ratio Lower Upper
 65 100
 67 57.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

Tgt Ion: 114 Resp: 262093
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.6
 88 16.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.072 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

ClientSampled :

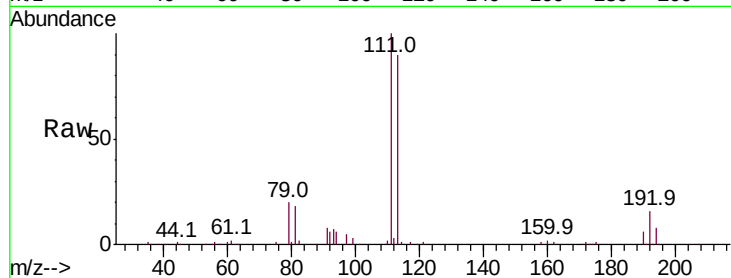
Tot Ion:113 Resp: 70778

Ion Ratio Lower Upper

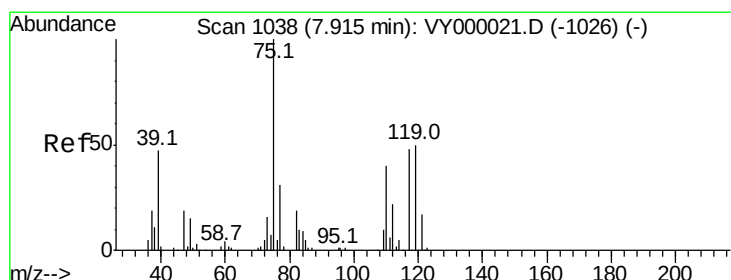
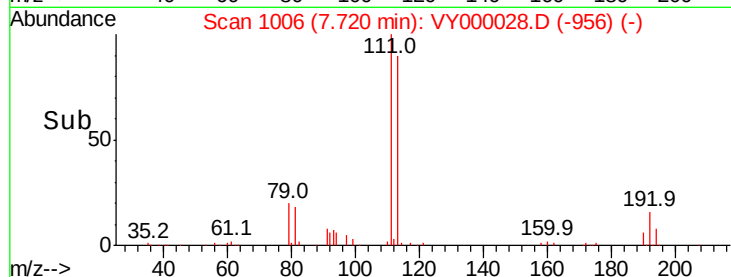
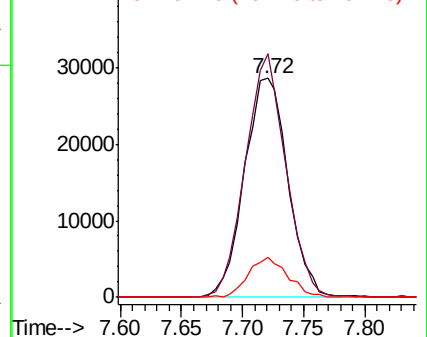
113 100

111 103.5 83.9 125.9

192 16.8 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.145 ug/l

RT: 7.92 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

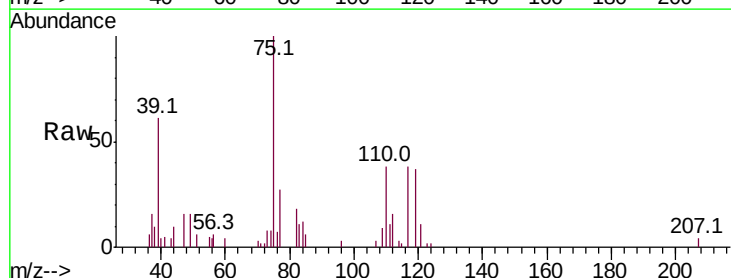
Tgt Ion: 75 Resp: 7977

Ion Ratio Lower Upper

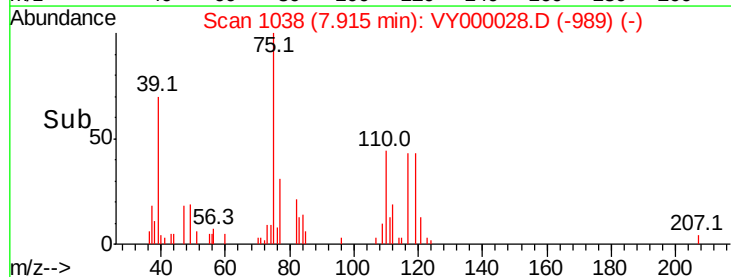
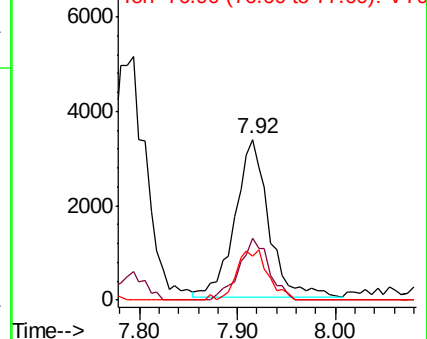
75 100

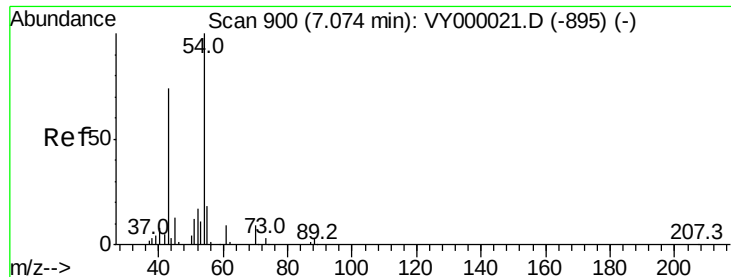
110 34.7 18.6 55.8

77 29.5 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

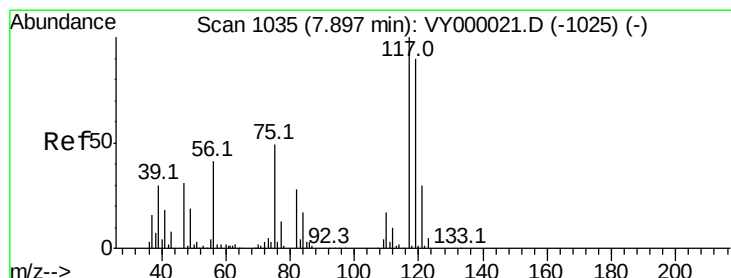
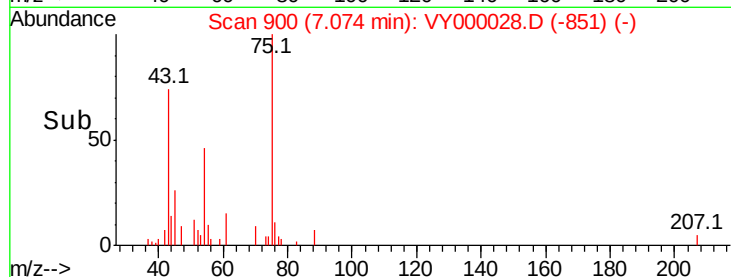
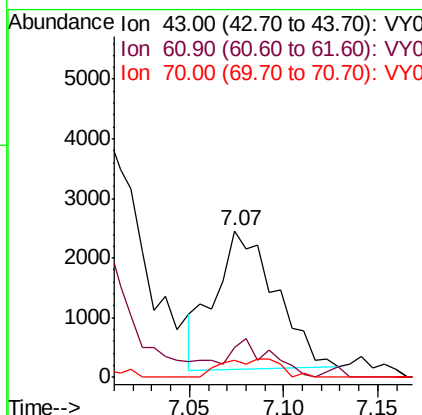
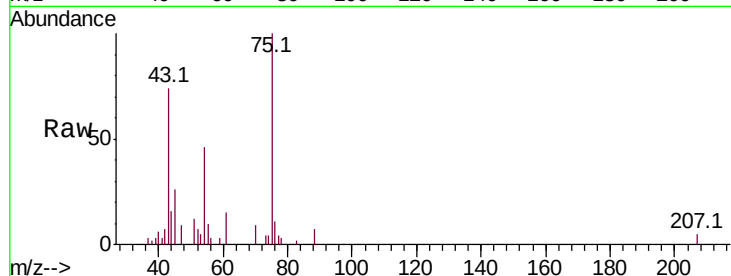




#37
Ethyl Acetate
Concen: 3.992 ug/l
RT: 7.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

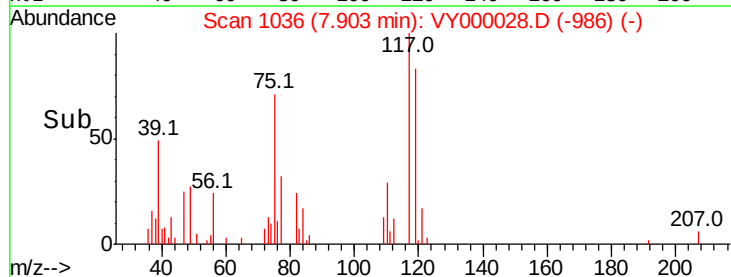
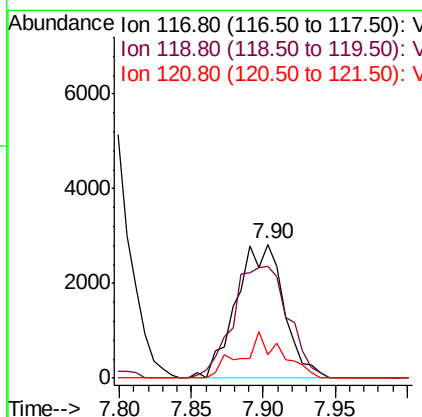
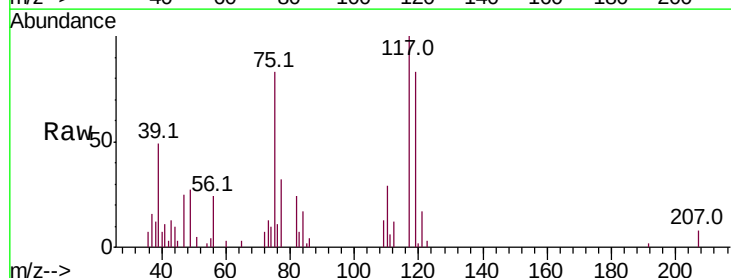
Instrument :
MSVOA_Y
ClientSampleId :

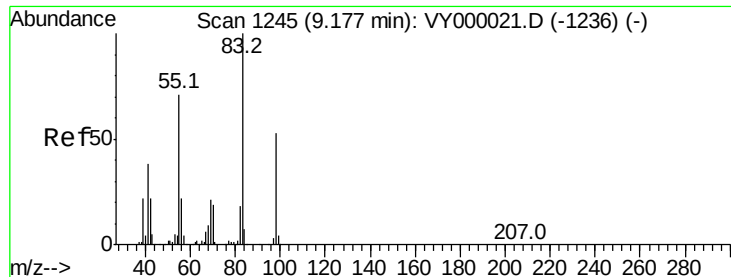
Tot Ion: 43 Resp: 5180
Ion Ratio Lower Upper
43 100
61 17.2 13.1 19.7
70 12.9 10.9 16.3



#38
Carbon Tetrachloride
Concen: 3.584 ug/l
RT: 7.90 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion: 117 Resp: 6510
Ion Ratio Lower Upper
117 100
119 83.0 72.1 108.1
121 17.3 23.9 35.9#

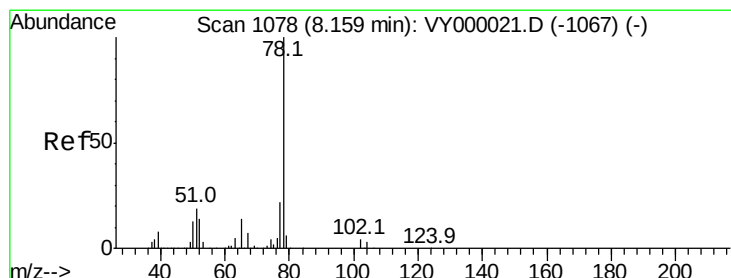
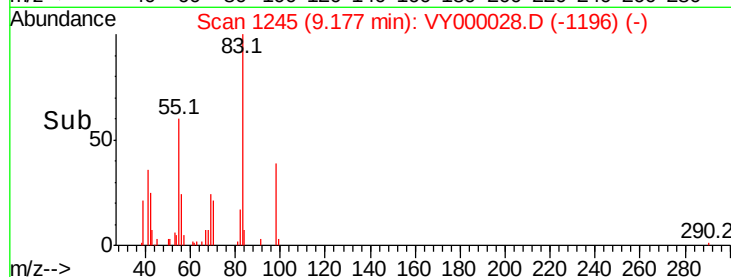
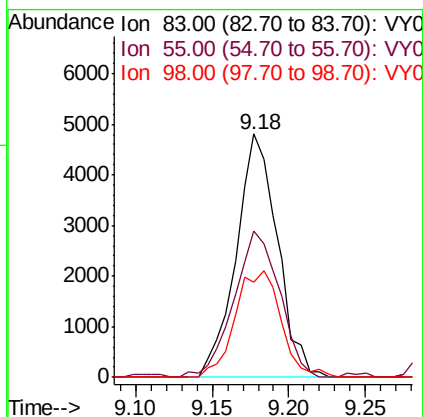
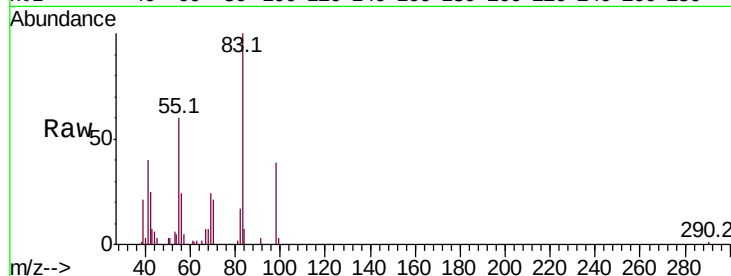




#39
Methylvlcyclohexane
Concen: 3.795 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

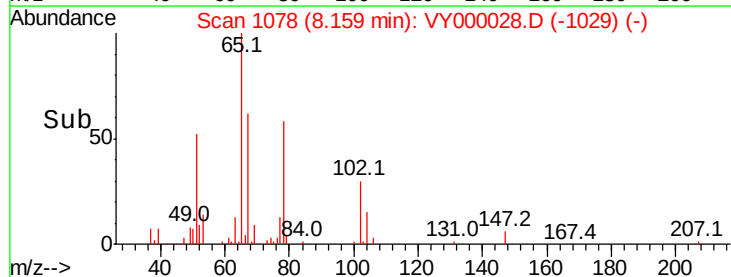
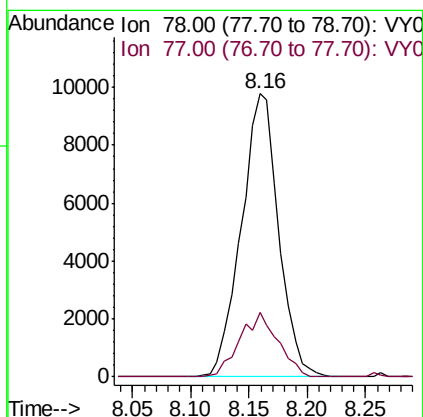
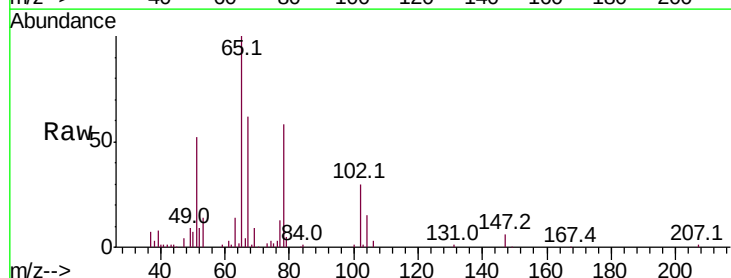
Instrument :
MSVOA_Y
ClientSampleId :

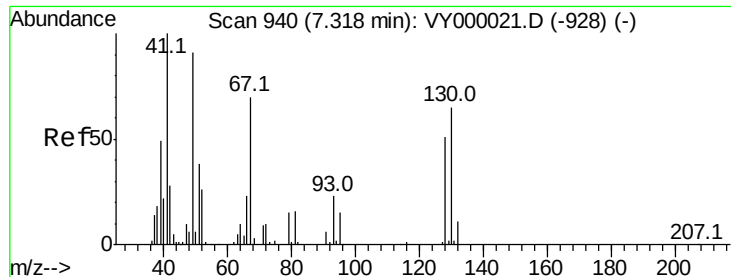
Tot Ion	83	Resp	9023
Ion Ratio	100	Lower	Upper
55	59.8	57.0	85.4
98	39.3	42.0	63.0#



#40
Benzene
Concen: 3.472 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion	78	Resp	21753
Ion Ratio	100	Lower	Upper
77	22.8	17.8	26.6

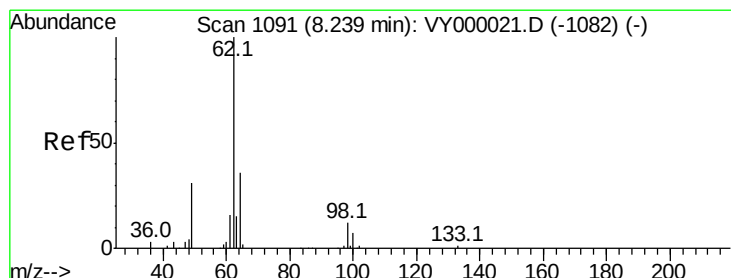
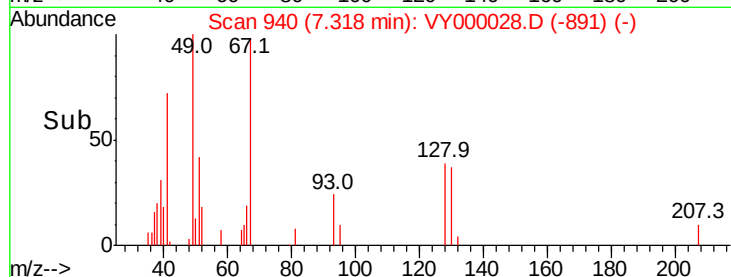
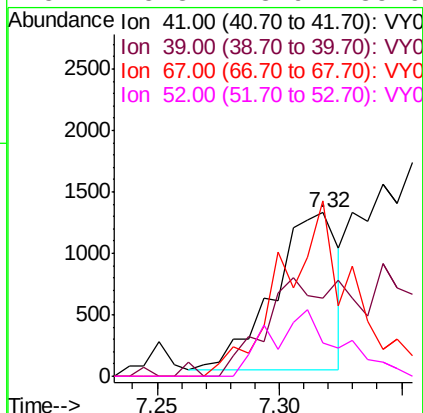
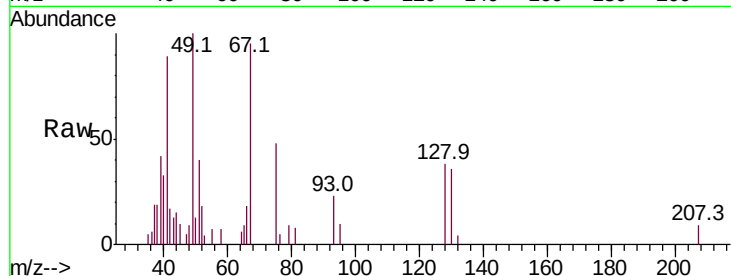




#41
Methacrylonitrile
Concen: 3.097 ug/l
RT: 7.32 min Scan# 940
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

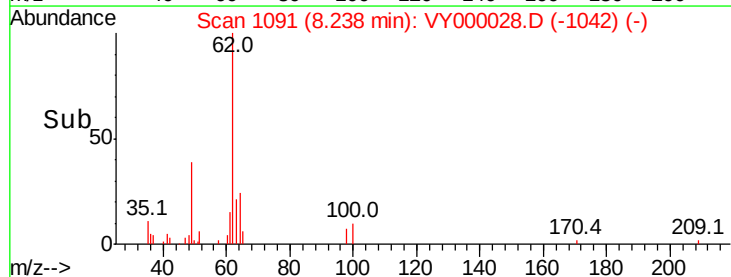
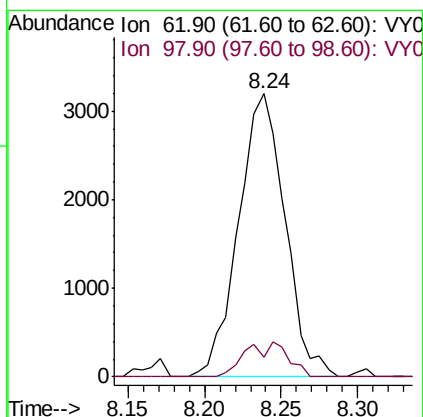
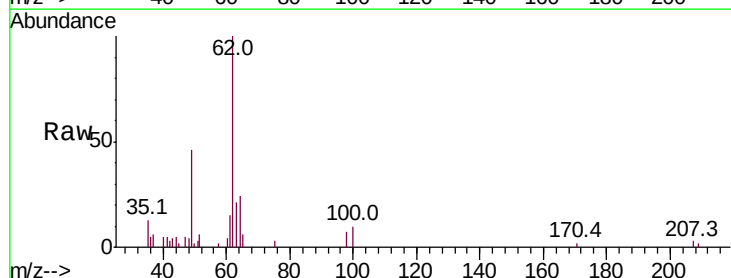
Instrument :
MSVOA_Y
ClientSampled :

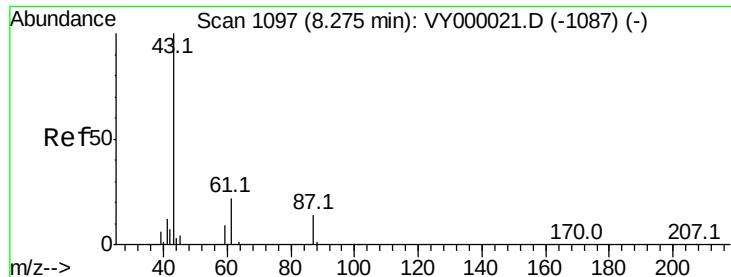
Tot Ion: 41 Resp: 2338
Ion Ratio Lower Upper
41 100
39 55.2 41.8 62.6
67 124.5 65.8 98.6#
52 45.3 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 4.222 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion: 62 Resp: 6759
Ion Ratio Lower Upper
62 100
98 5.8 0.0 23.2





#43

Isopropyl Acetate

Concen: 4.141 ug/l

RT: 8.28 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

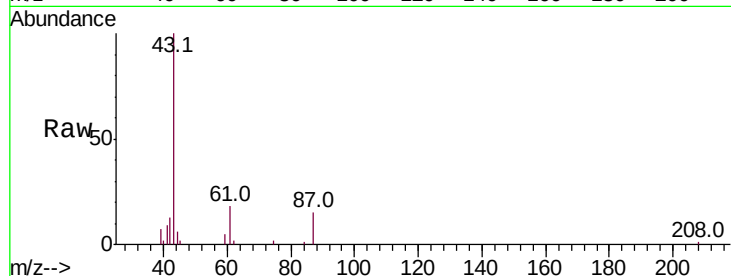
Tot Ion: 43 Resp: 10412

Ion Ratio Lower Upper

43 100

61 22.6 24.9 37.3#

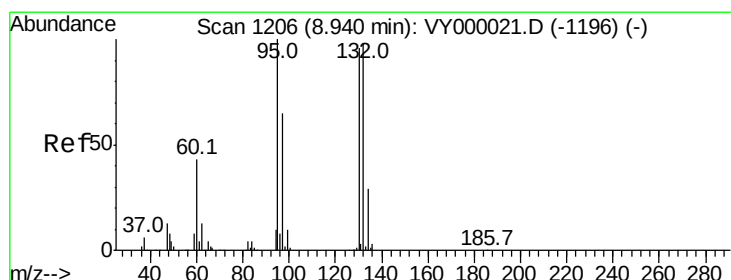
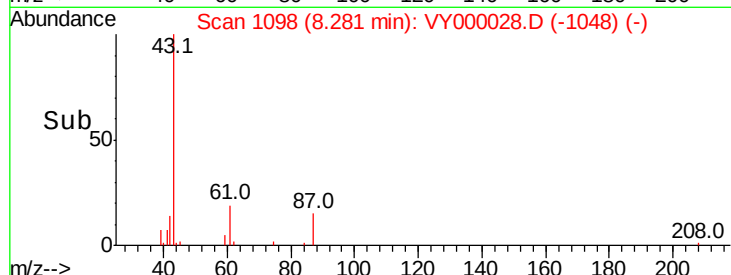
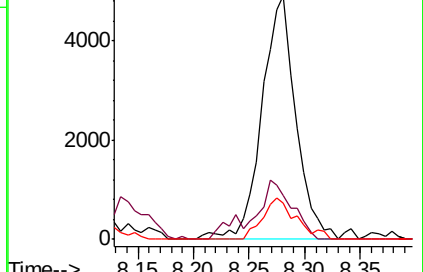
87 17.1 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VY000021.D (-1087) (-)

Ion 61.00 (60.70 to 61.70): VY000021.D (-1087) (-)

Ion 87.00 (86.70 to 87.70): VY000021.D (-1087) (-)



#44

Trichloroethene

Concen: 3.646 ug/l

RT: 8.94 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VY000028.D

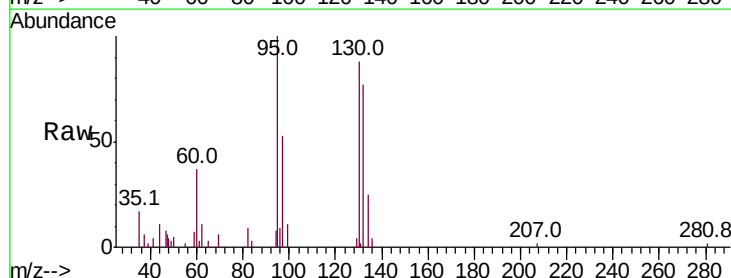
Acq: 12 Sep 2019 15:39

Tgt Ion:130 Resp: 5704

Ion Ratio Lower Upper

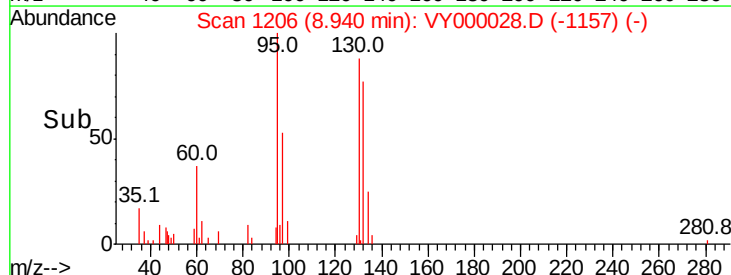
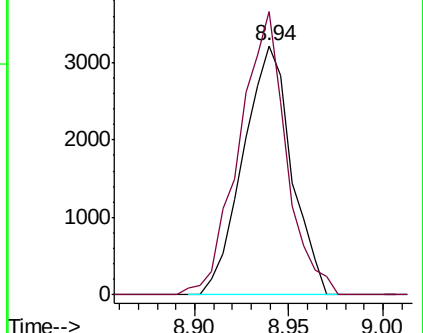
130 100

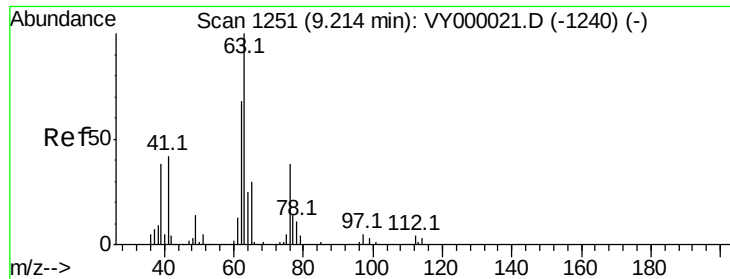
95 113.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VY000021.D (-1196) (-)

Ion 94.90 (94.60 to 95.60): VY000021.D (-1196) (-)

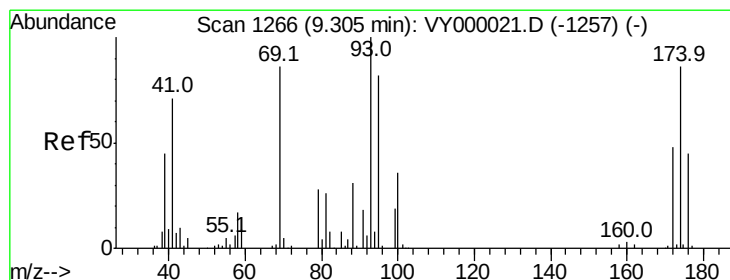
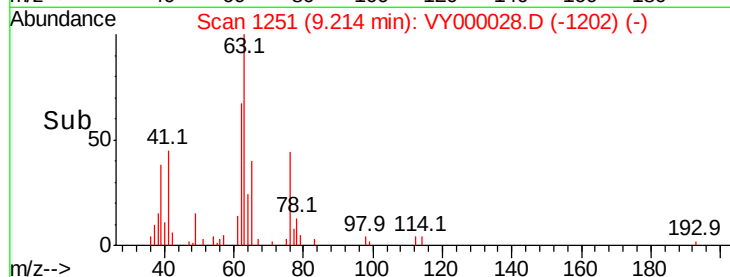
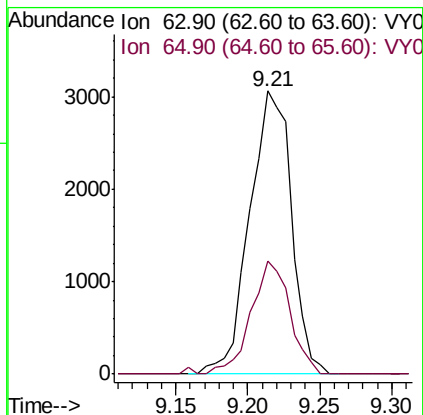
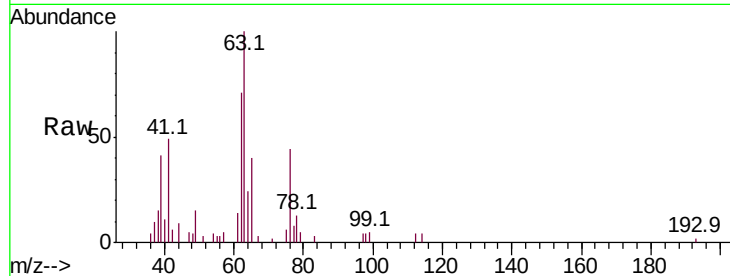




#45
 1,2-Dichloropropane
 Concen: 3.791 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

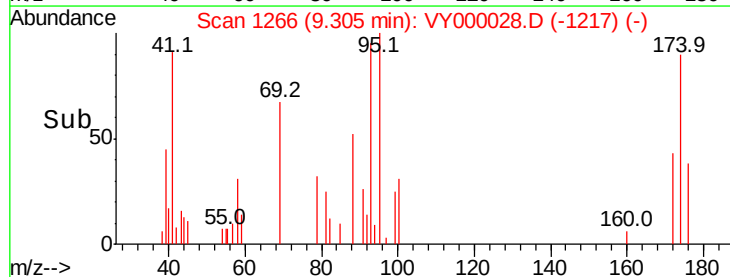
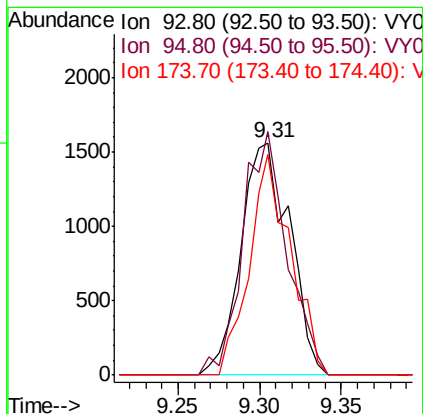
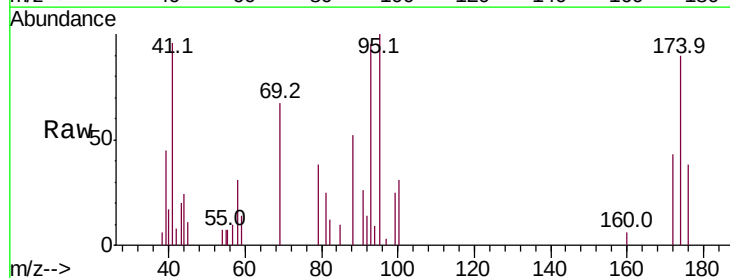
Instrument :
 MSVOA_Y
 ClientSampleId :

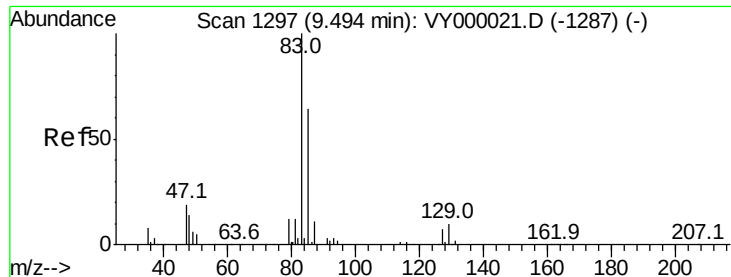
Tot Ion: 63 Resp: 6125
 Ion Ratio Lower Upper
 63 100
 65 40.2 24.1 36.1#



#46
 Dibromomethane
 Concen: 3.606 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

Tgt Ion: 93 Resp: 3233
 Ion Ratio Lower Upper
 93 100
 95 95.7 67.0 100.6
 174 80.6 68.8 103.2





#47

Bromodichloromethane

Concen: 3.788 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :
MSVOA_Y
ClientSampled :

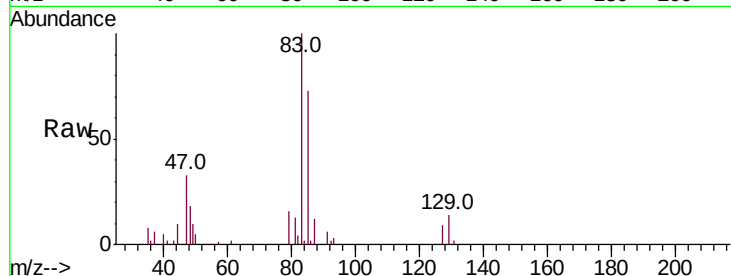
Tot Ion: 83 Resp: 8107

Ion Ratio Lower Upper

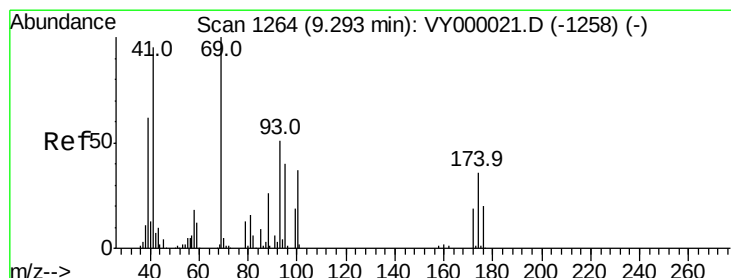
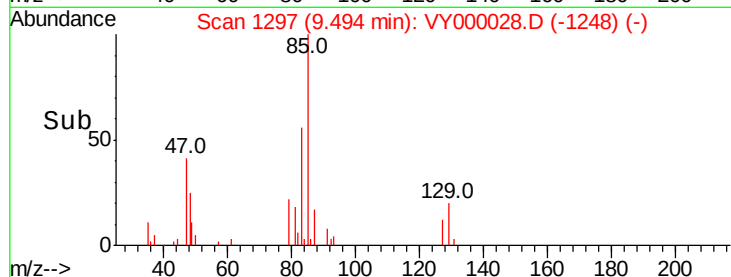
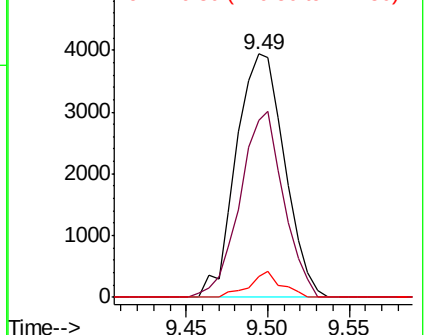
83 100

85 72.7 51.4 77.2

127 8.6 5.4 8.2#



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: 3.789 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

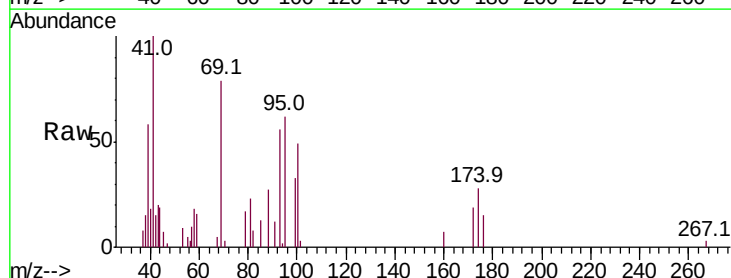
Tgt Ion: 41 Resp: 4204

Ion Ratio Lower Upper

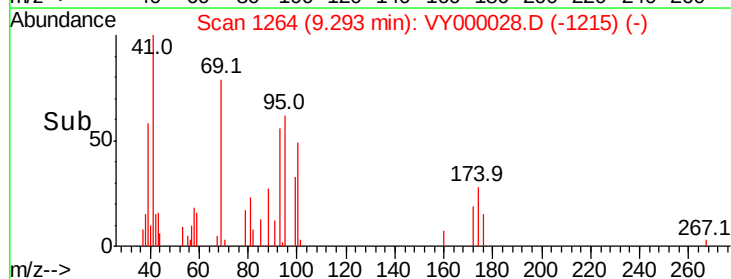
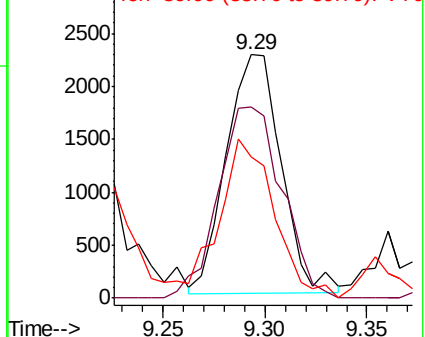
41 100

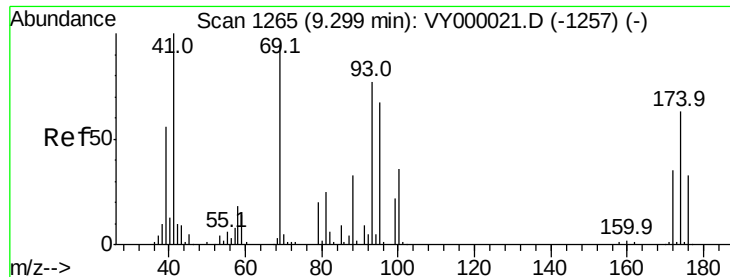
69 92.9 79.7 119.5

39 68.5 48.6 72.8



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

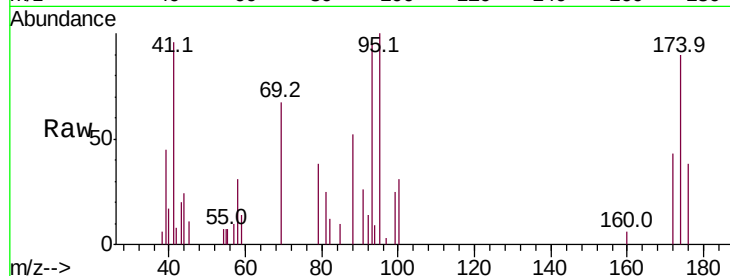




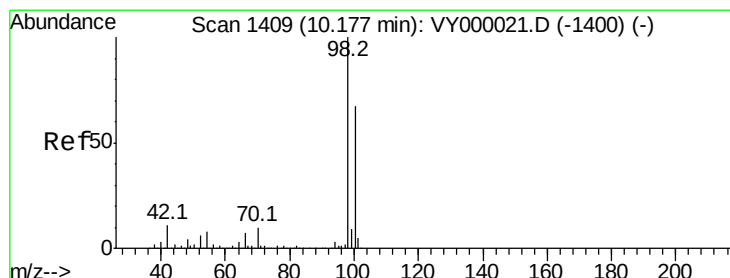
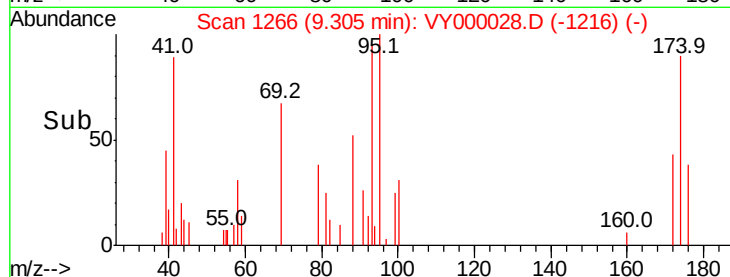
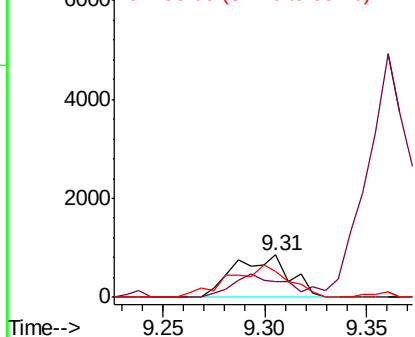
#49
1,4-Dioxane
Concen: 85.322 ug/l
RT: 9.31 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 1602
Ion Ratio Lower Upper
88 100
43 49.9 24.6 37.0#
58 83.0 52.7 79.1#

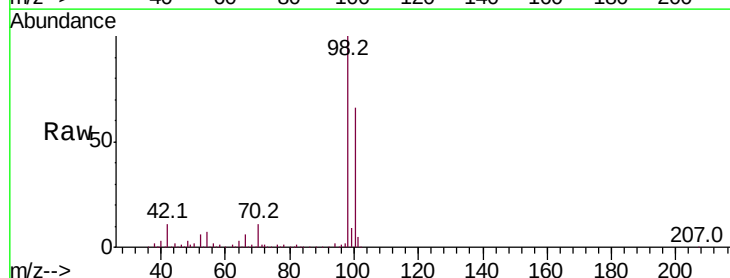


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

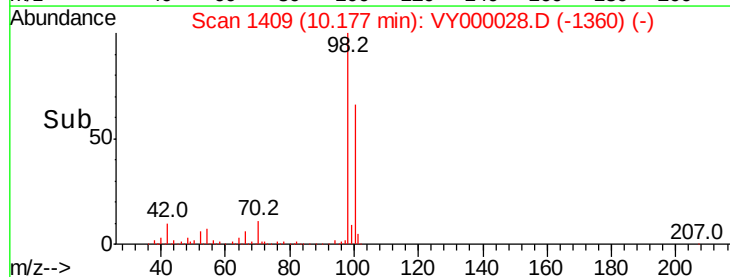
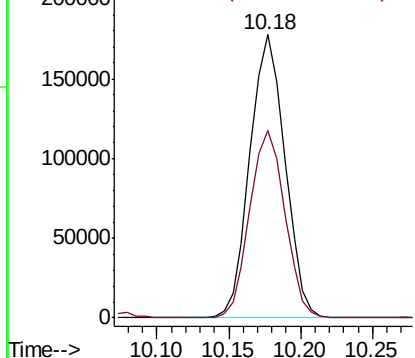


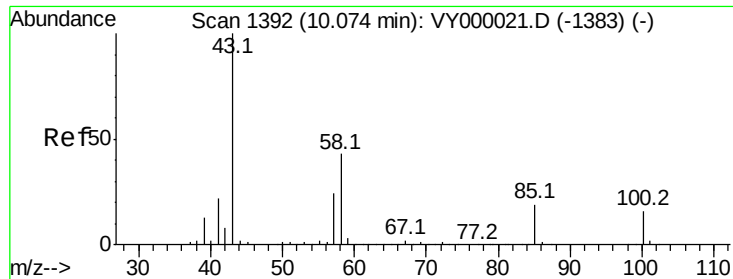
#50
Toluene-d8
Concen: 49.508 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion: 98 Resp: 299716
Ion Ratio Lower Upper
98 100
100 66.6 54.0 81.0



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

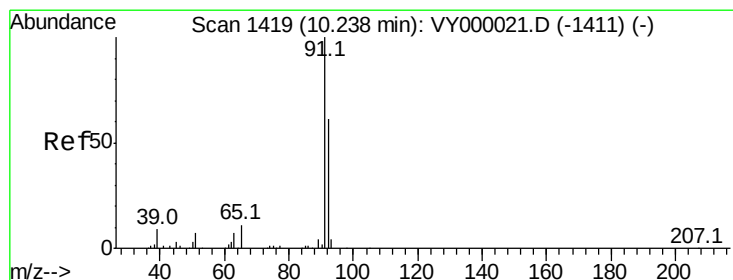
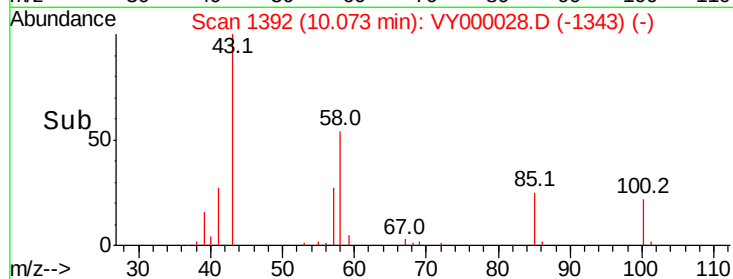
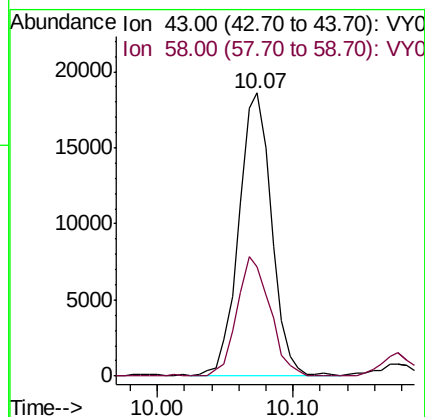
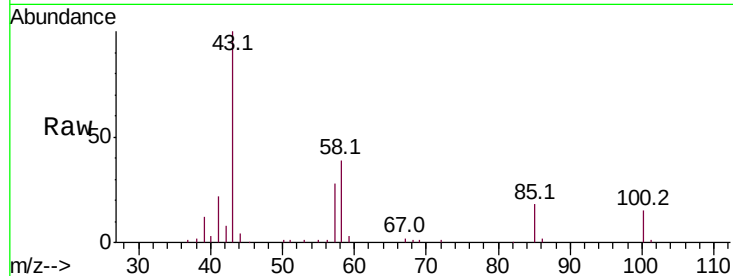




#51
4-Methyl-2-Pentanone
Concen: 22.275 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

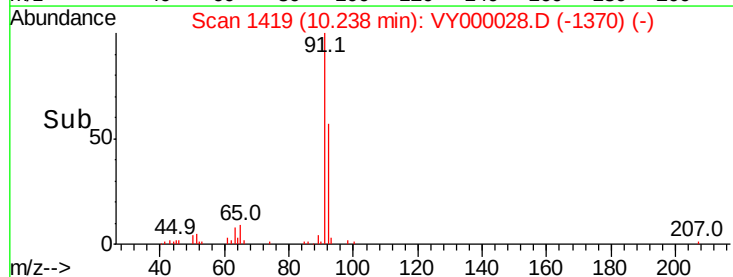
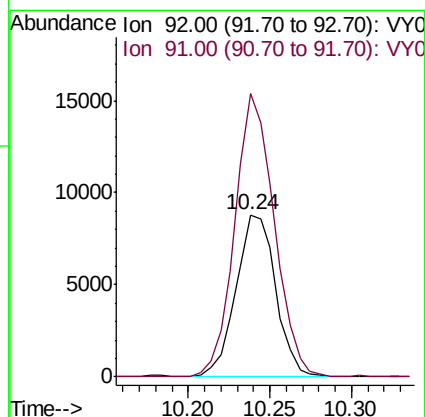
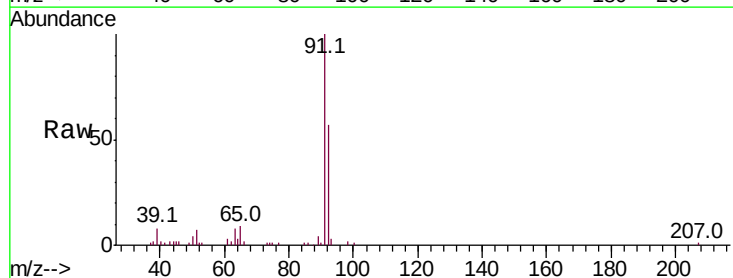
Instrument :
MSVOA_Y
ClientSampleId :

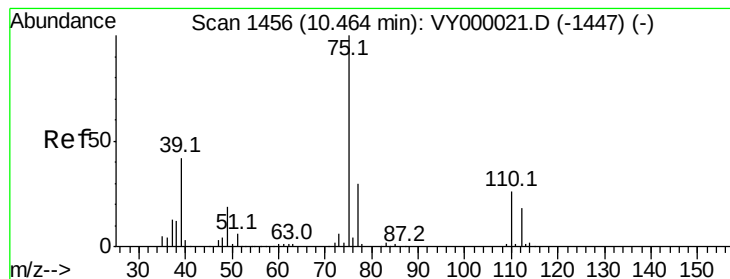
Tot Ion: 43 Resp: 31386
Ion Ratio Lower Upper
43 100
58 42.4 34.1 51.1



#52
Toluene
Concen: 3.788 ug/l
RT: 10.24 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion: 92 Resp: 14913
Ion Ratio Lower Upper
92 100
91 173.7 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 3.880 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

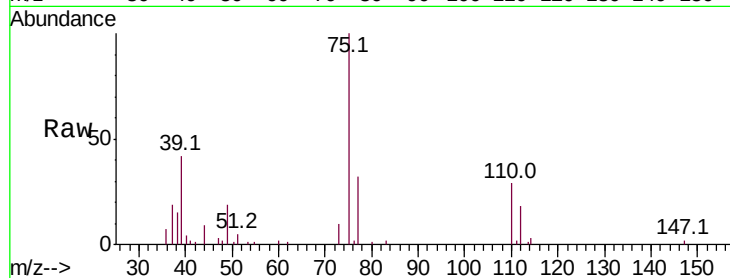
ClientSampleId :

Tot Ion: 75 Resp: 8730

Ion Ratio Lower Upper

75 100

77 32.2 23.8 35.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.46

6000

5000

4000

3000

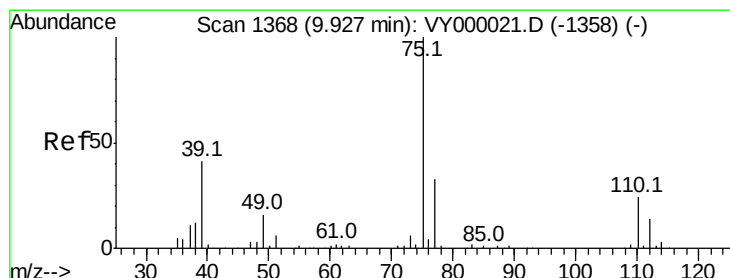
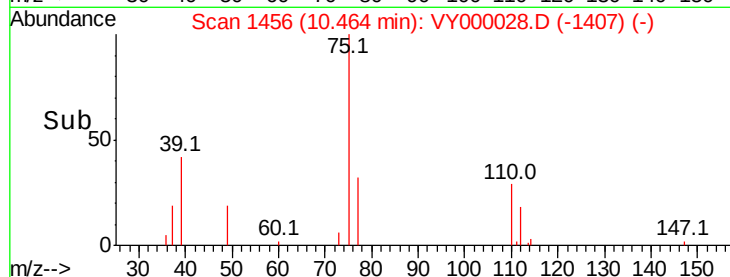
2000

1000

0

Time-->

10.40 10.45 10.50



#54

cis-1,3-Dichloropropene

Concen: 3.927 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

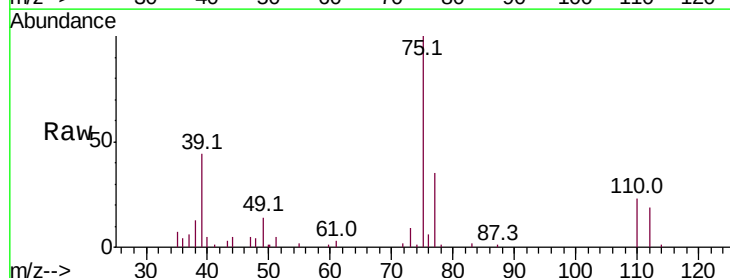
Tgt Ion: 75 Resp: 10282

Ion Ratio Lower Upper

75 100

77 34.6 26.3 39.5

39 43.0 32.9 49.3



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.93

8000

6000

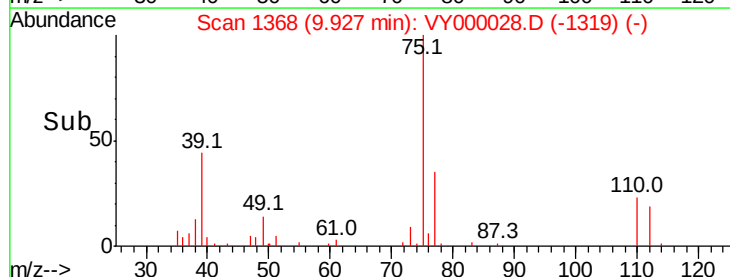
4000

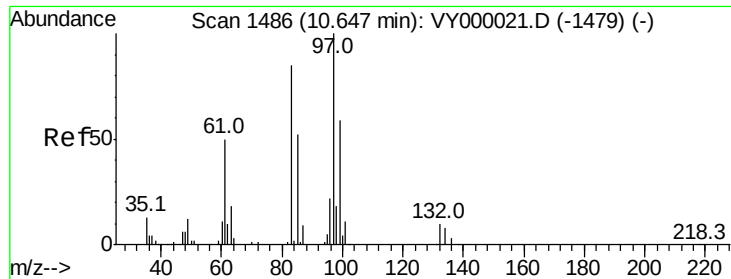
2000

0

Time-->

9.80 9.90 10.00



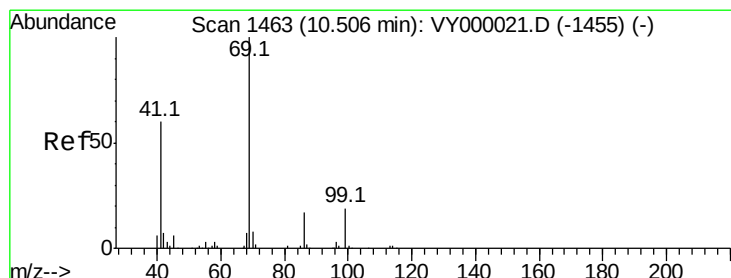
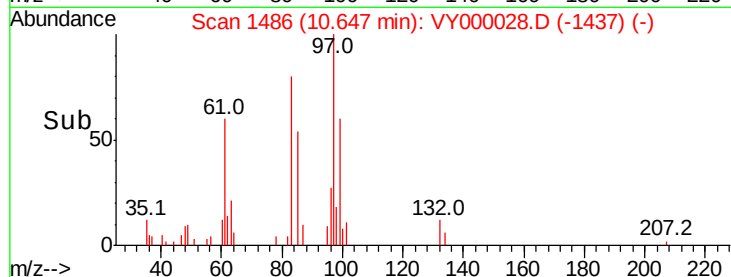
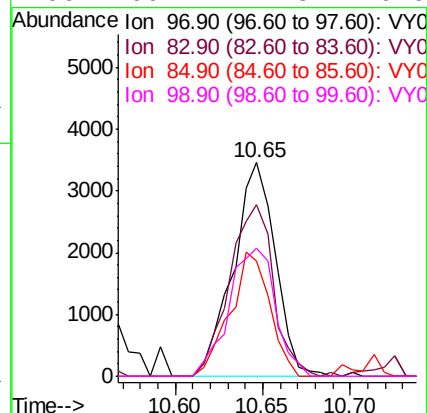
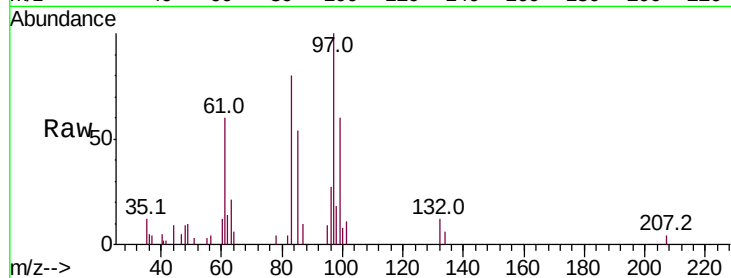


#55
 1,1,2-Trichloroethane
 Concen: 4.087 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 97 Resp: 5806

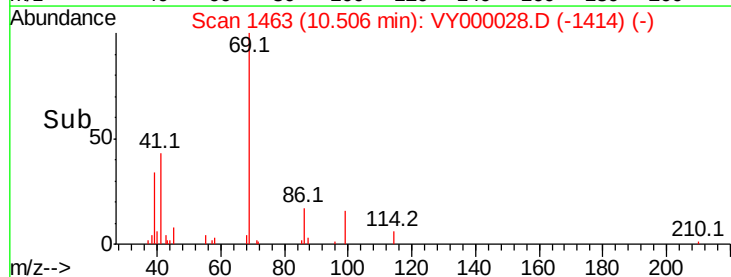
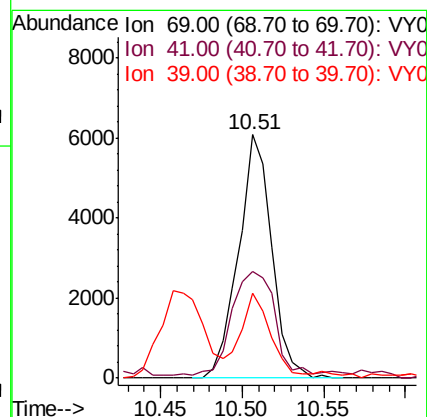
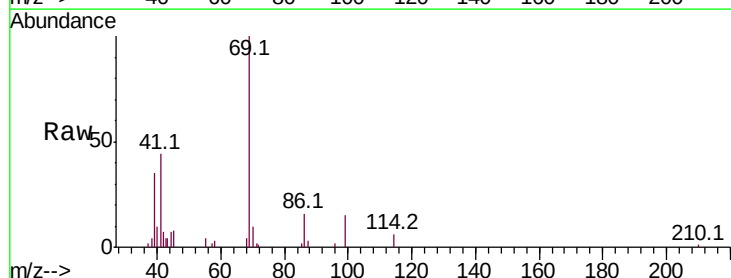
Ion	Ratio	Lower	Upper
97	100		
83	80.1	68.2	102.2
85	53.8	41.7	62.5
99	60.1	47.3	70.9

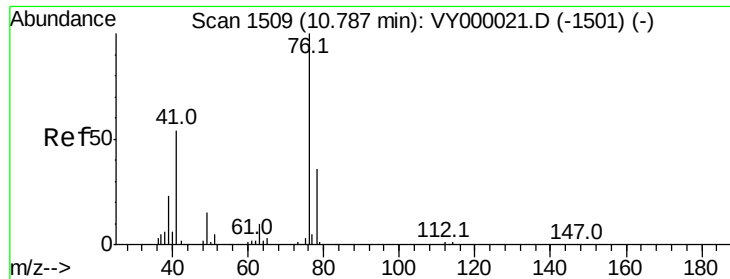


#56
 Ethyl methacrylate
 Concen: 4.318 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

Tgt Ion: 69 Resp: 8609

Ion	Ratio	Lower	Upper
69	100		
41	59.8	47.0	70.4
39	29.6	26.4	39.6





#57

1,3-Dichloropropane

Concen: 4.012 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

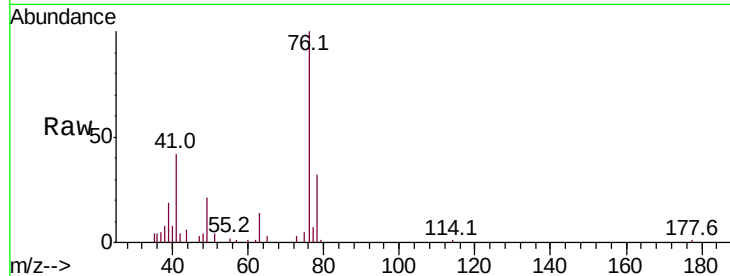
ClientSampleId :

Tot Ion: 76 Resp: 9115

Ion Ratio Lower Upper

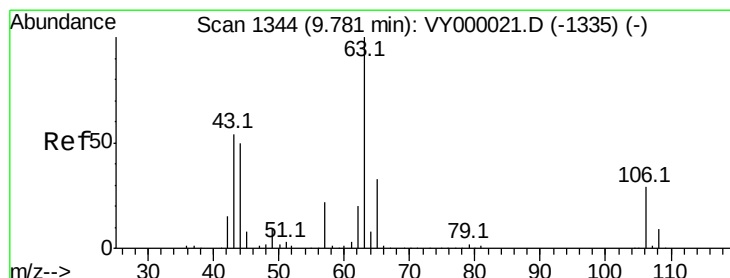
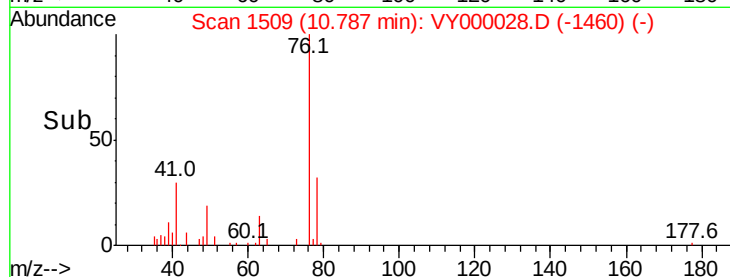
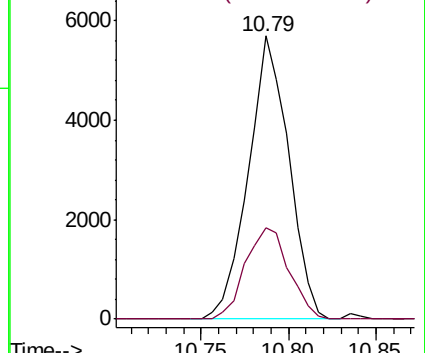
76 100

78 35.0 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 17.655 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000028.D

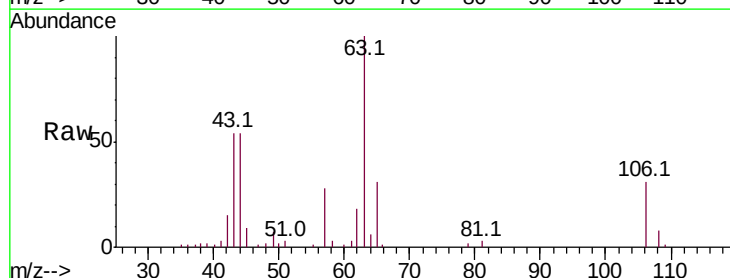
Acq: 12 Sep 2019 15:39

Tgt Ion: 63 Resp: 19283

Ion Ratio Lower Upper

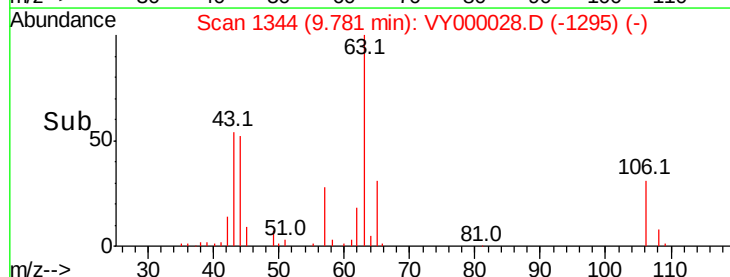
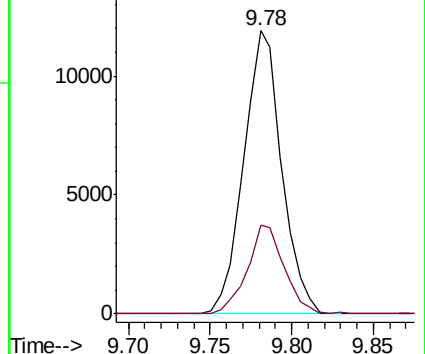
63 100

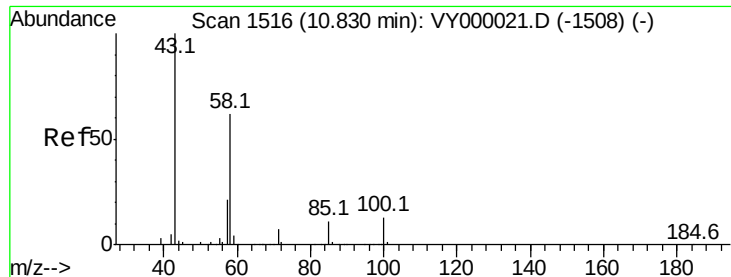
106 30.5 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 21.863 ug/l

RT: 10.83 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

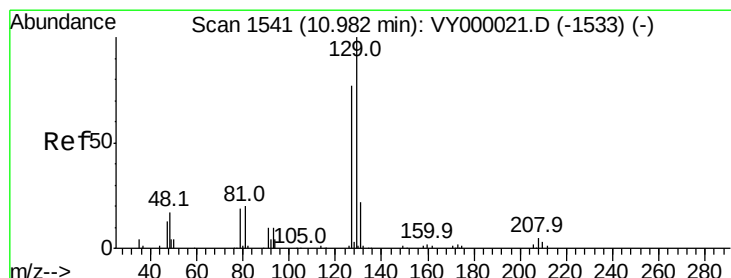
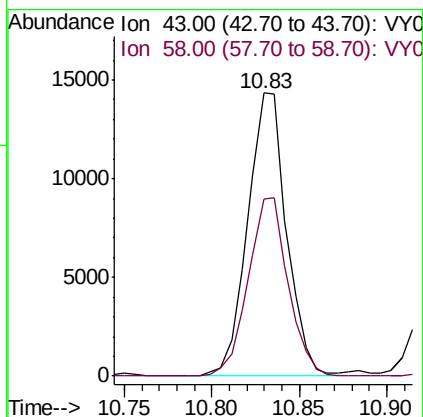
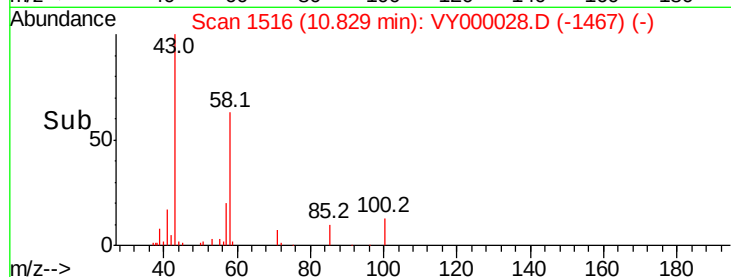
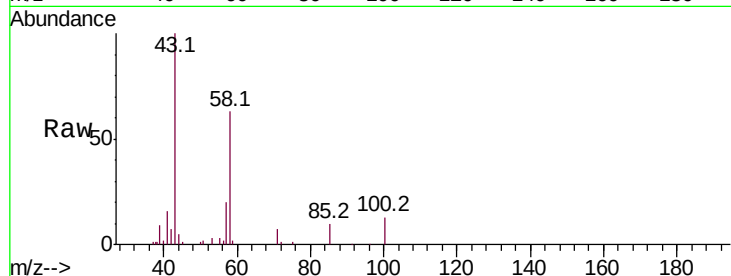
ClientSampleId :

Tot Ion: 43 Resp: 22199

Ion Ratio Lower Upper

43 100

58 64.8 30.3 90.8



#60

Dibromochloromethane

Concen: 3.863 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.01 min

Lab File: VY000028.D

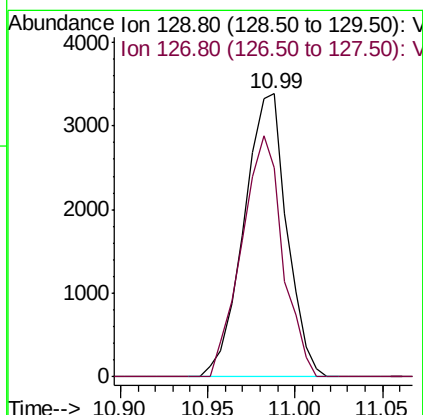
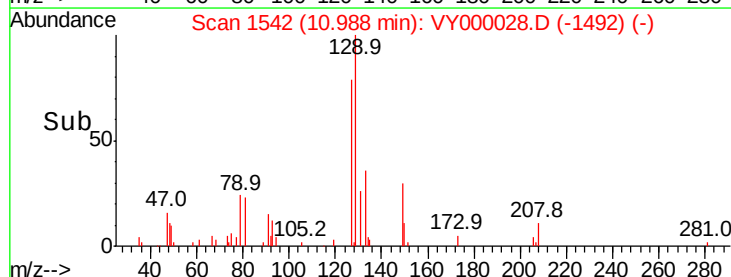
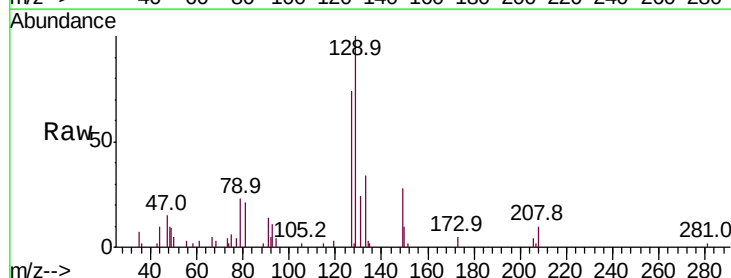
Acq: 12 Sep 2019 15:39

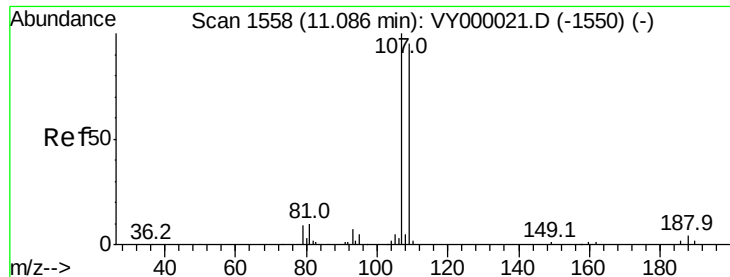
Tgt Ion: 129 Resp: 5783

Ion Ratio Lower Upper

129 100

127 81.2 38.4 115.2





#61

1,2-Dibromoethane

Concen: 4.070 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

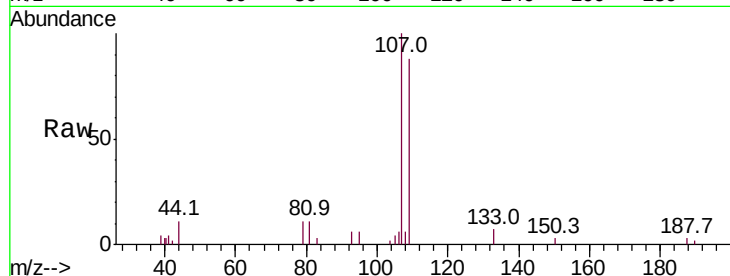
ClientSampleId :

Tot Ion: 107 Resp: 5108

Ion Ratio Lower Upper

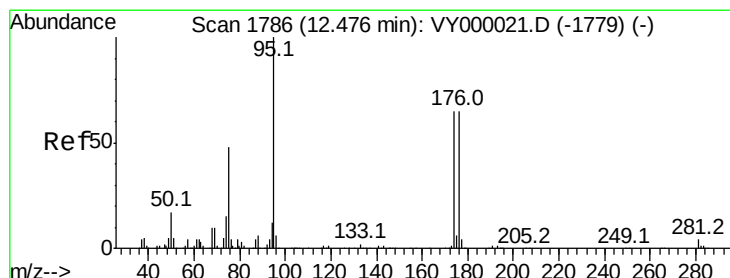
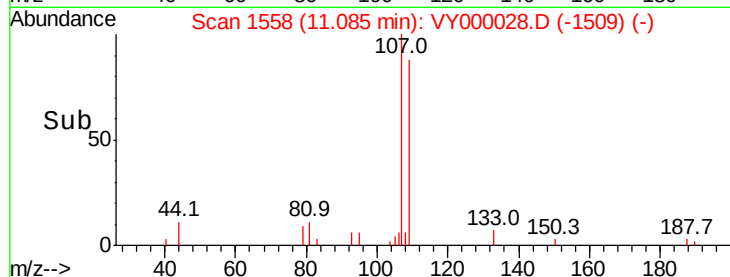
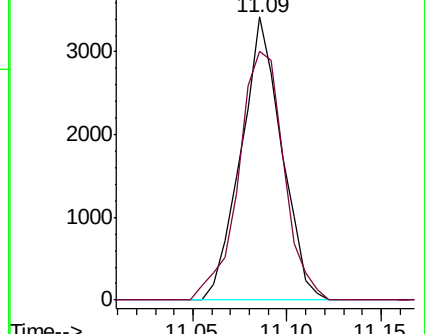
107 100

109 98.1 76.7 115.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.992 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

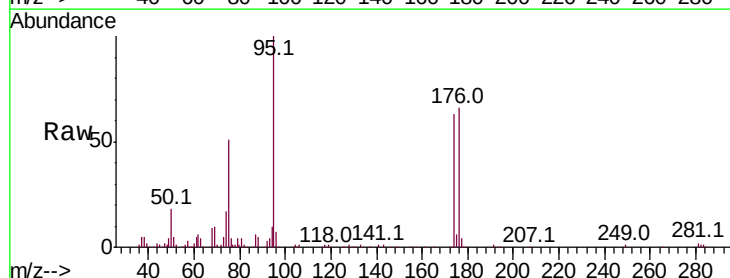
Tgt Ion: 95 Resp: 101201

Ion Ratio Lower Upper

95 100

174 68.8 0.0 137.6

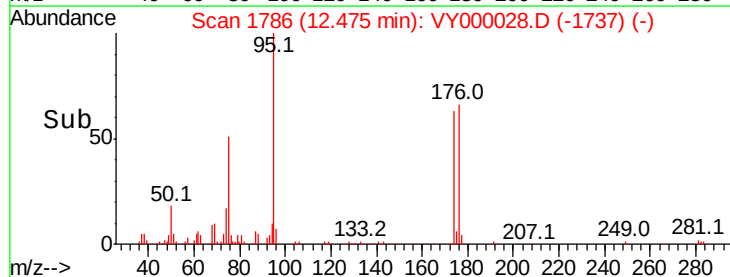
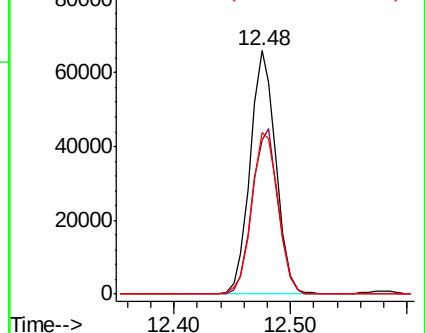
176 68.3 0.0 134.8

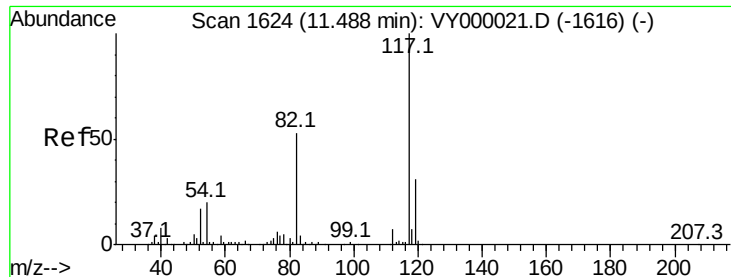


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

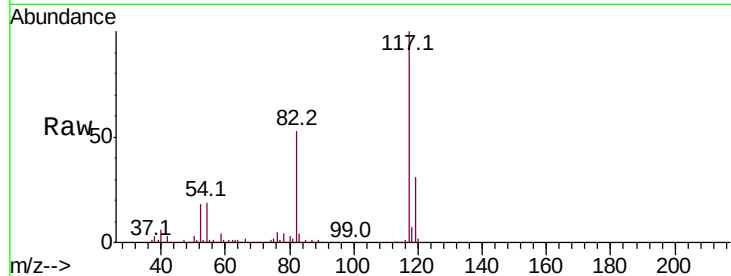




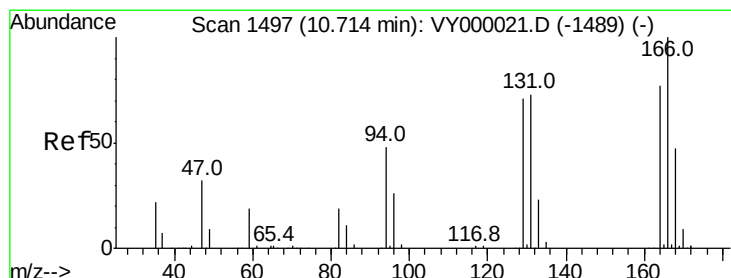
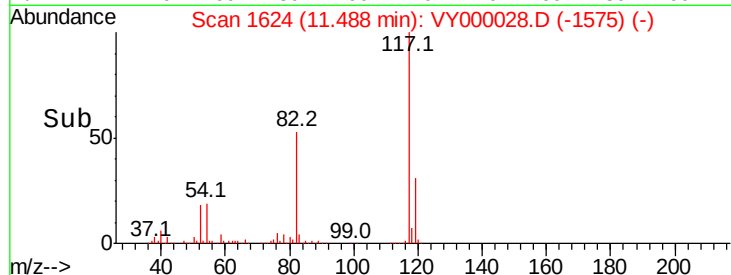
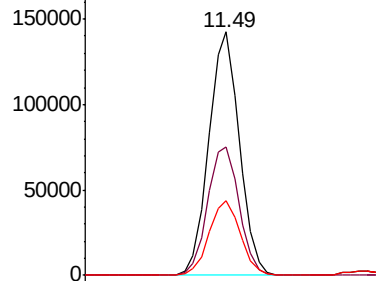
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 222946
Ion Ratio Lower Upper
117 100
82 52.7 42.5 63.7
119 30.7 25.1 37.7

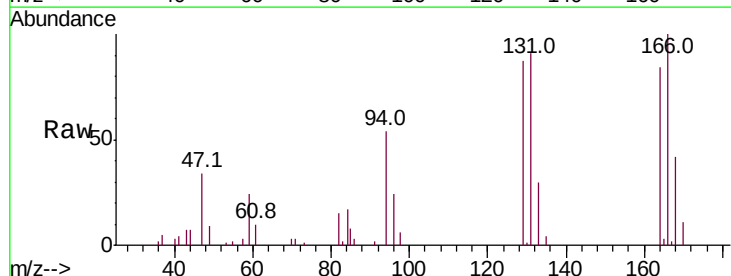


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

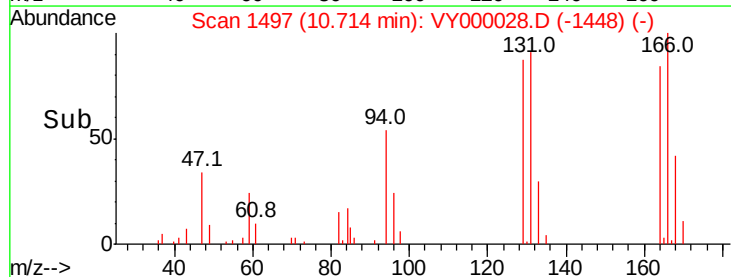
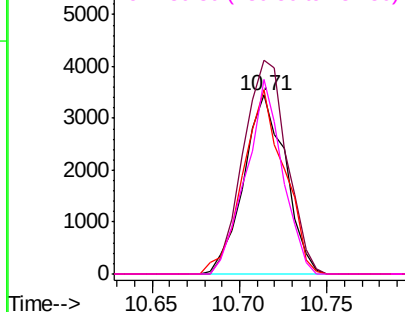


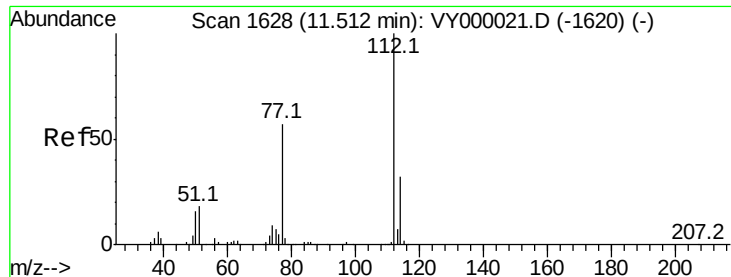
#64
Tetrachloroethene
Concen: 4.229 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion:164 Resp: 5782
Ion Ratio Lower Upper
164 100
166 119.6 103.4 155.0
129 103.5 73.4 110.0
131 109.1 75.9 113.9



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

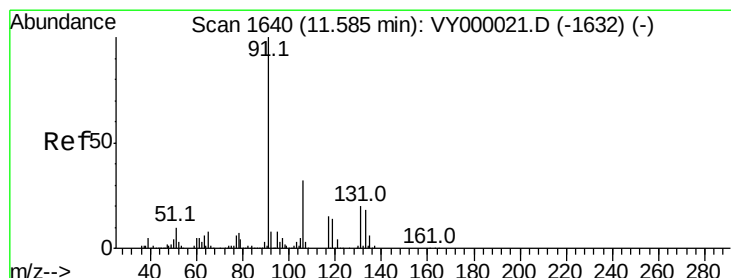
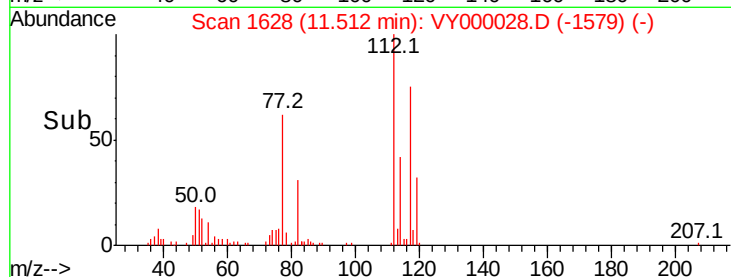
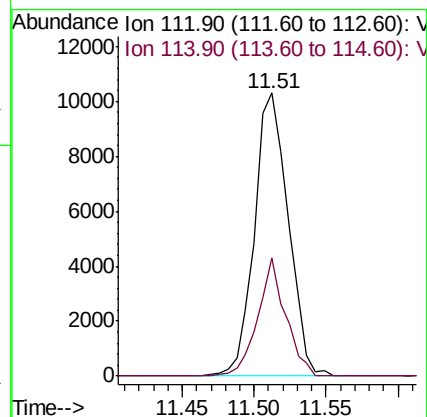
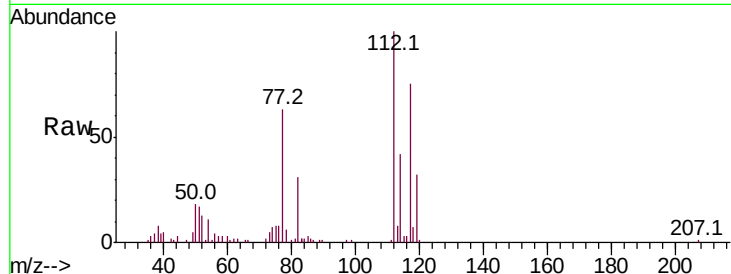




#65
Chlorobenzene
Concen: 3.923 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

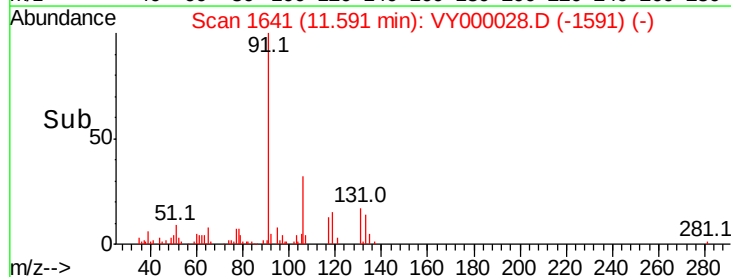
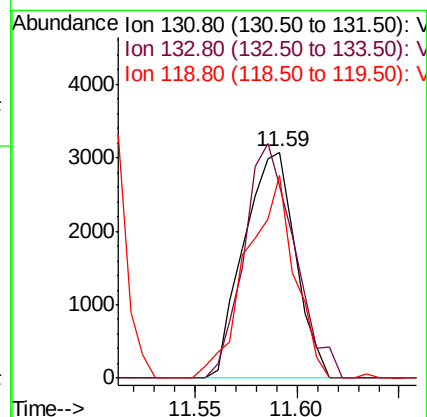
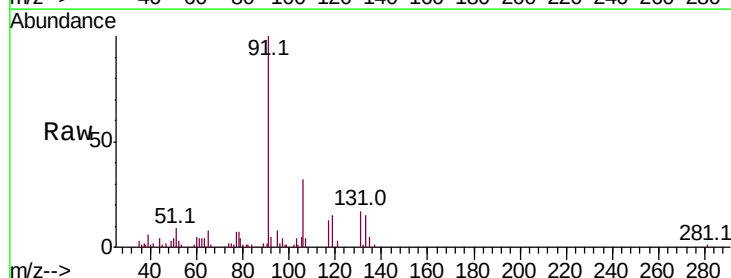
Instrument :
MSVOA_Y
ClientSampled :

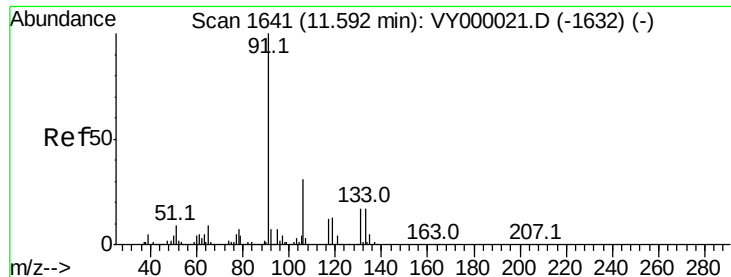
Tot Ion:112 Resp: 16666
Ion Ratio Lower Upper
112 100
114 41.8 25.4 38.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 3.669 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. 0.01 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion:131 Resp: 5400
Ion Ratio Lower Upper
131 100
133 102.0 47.2 141.6
119 83.1 35.4 106.3





#67

Ethyl Benzene

Concen: 3.849 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

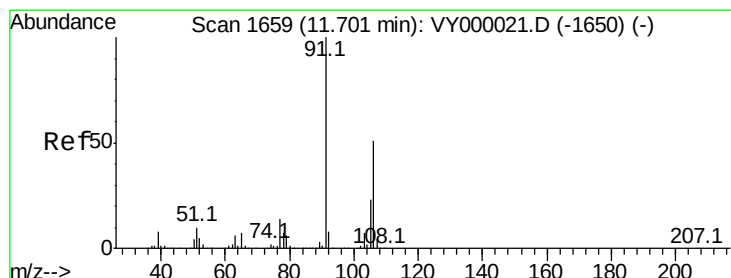
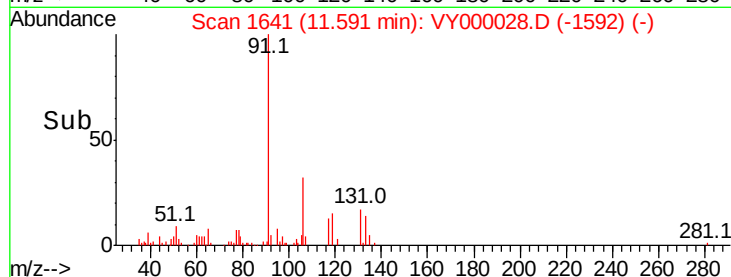
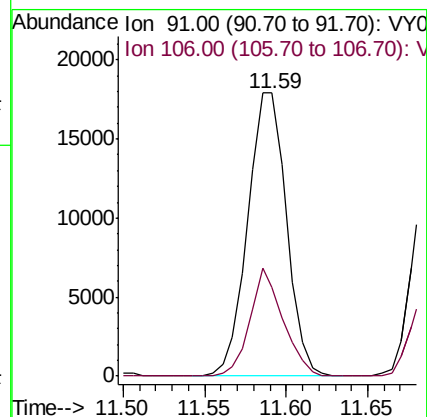
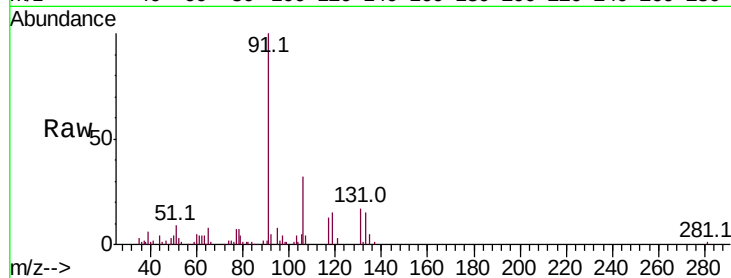
ClientSampled :

Tot Ion: 91 Resp: 29702

Ion Ratio Lower Upper

91 100

106 31.6 24.6 37.0



#68

m/p-Xylenes

Concen: 7.790 ug/l

RT: 11.70 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VY000028.D

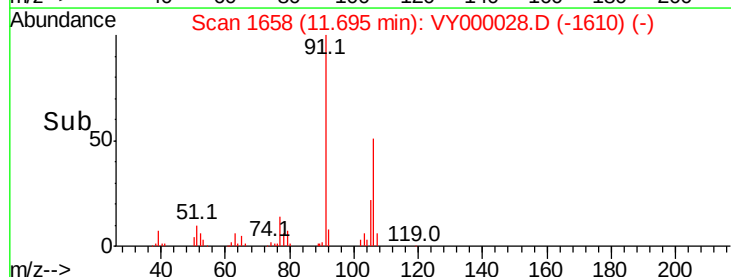
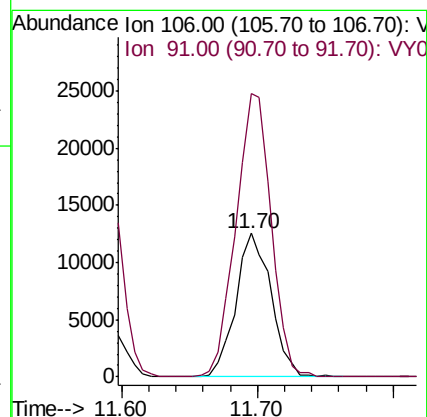
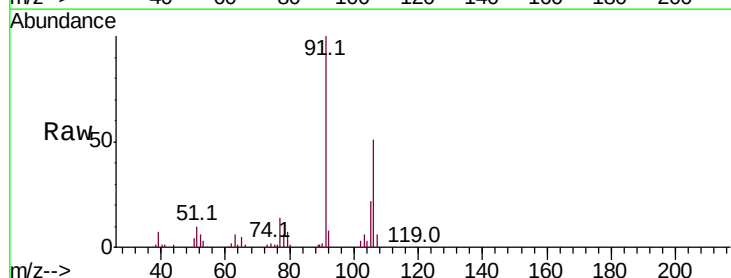
Acq: 12 Sep 2019 15:39

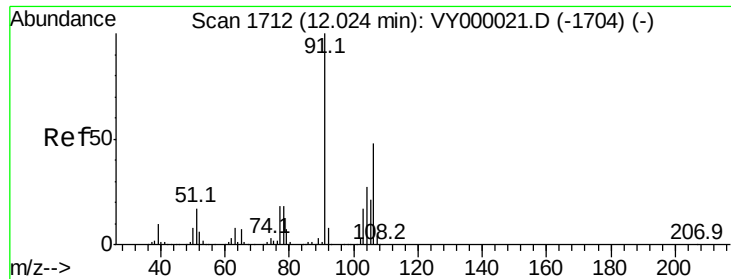
Tgt Ion: 106 Resp: 22686

Ion Ratio Lower Upper

106 100

91 197.1 158.5 237.7

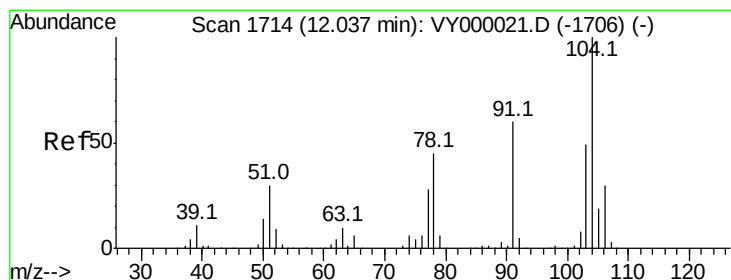
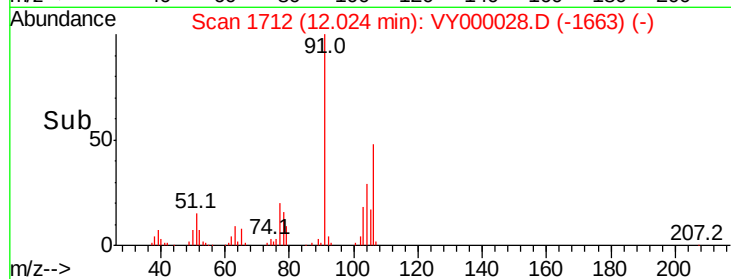
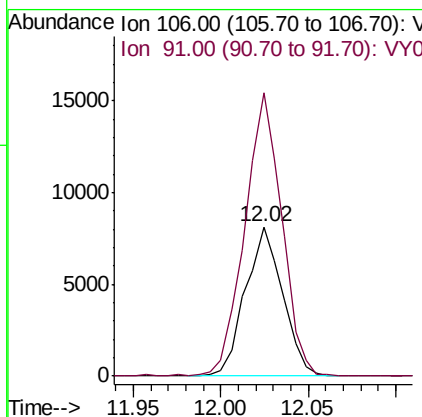
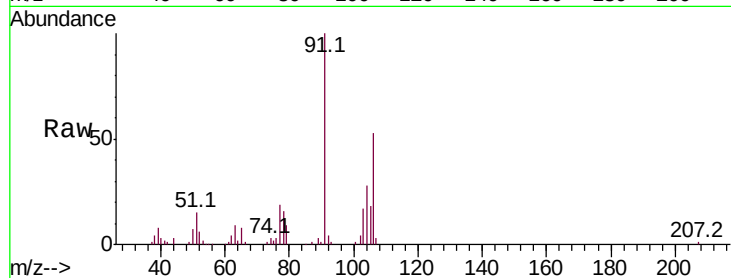




#69
o-Xylene
Concen: 4.230 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

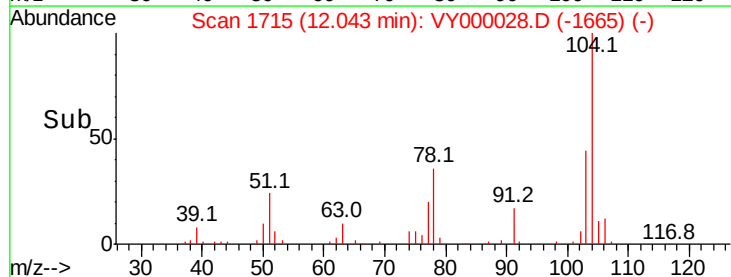
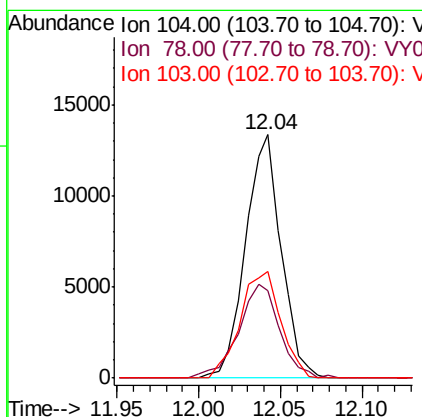
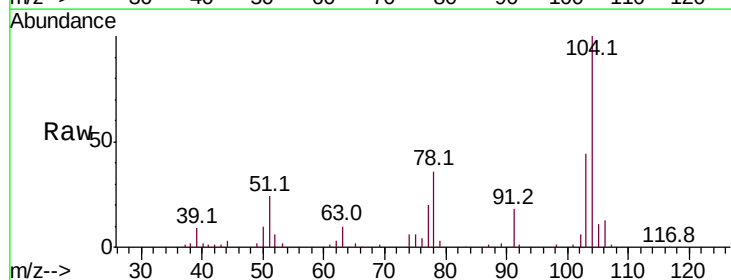
Instrument :
MSVOA_Y
ClientSampleId :

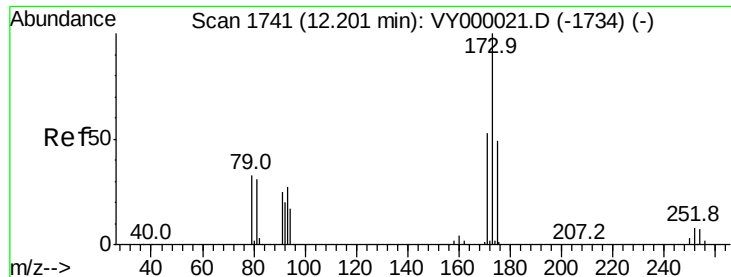
Tot Ion:106 Resp: 12073
Ion Ratio Lower Upper
106 100
91 187.7 104.0 312.0



#70
Styrene
Concen: 4.094 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion:104 Resp: 20327
Ion Ratio Lower Upper
104 100
78 44.6 38.0 57.0
103 49.8 42.4 63.6

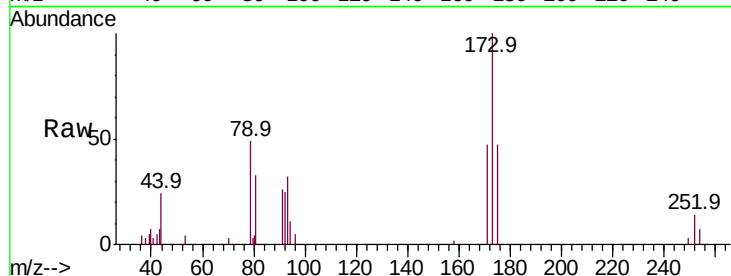




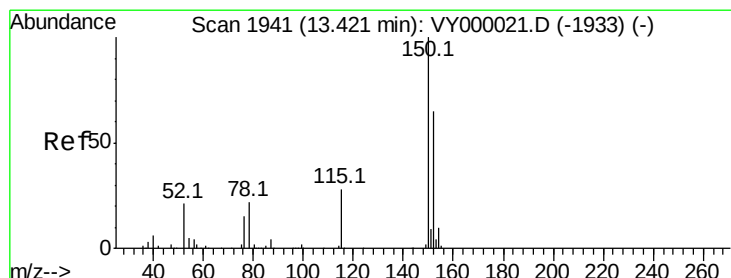
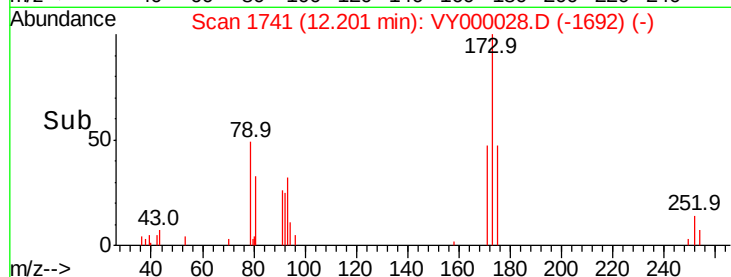
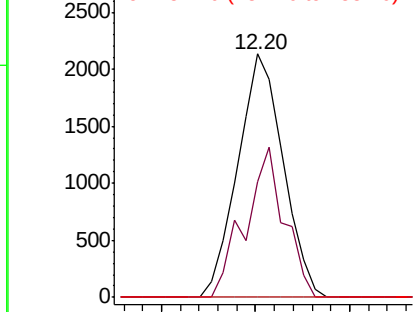
#71
Bromoform
Concen: 4.004 ug/l
RT: 12.20 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:173 Resp: 3559
Ion Ratio Lower Upper
173 100
175 53.4 25.1 75.4
254 0.0 0.0 0.0

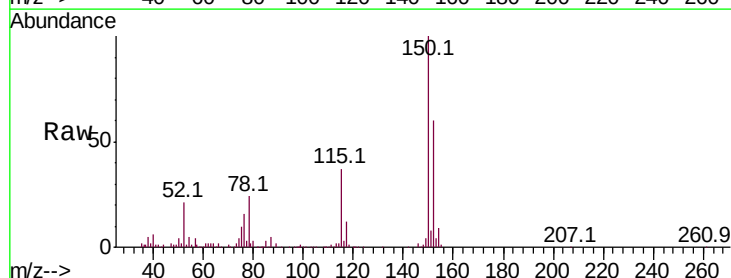


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

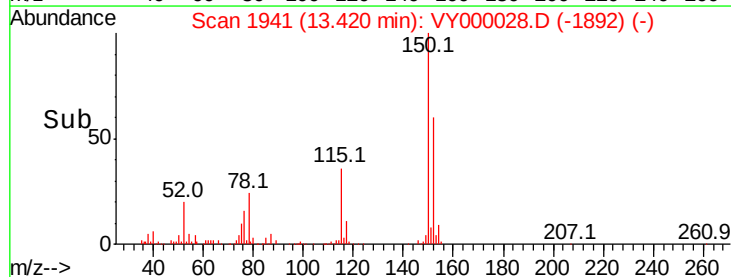
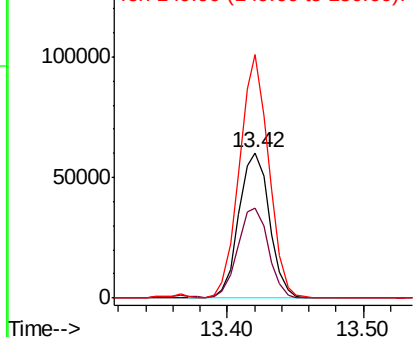


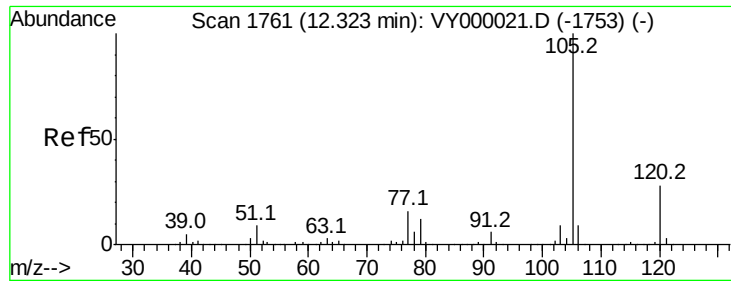
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion:152 Resp: 94389
Ion Ratio Lower Upper
152 100
115 62.1 29.4 88.2
150 160.1 0.0 349.0



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





#73

Isopropylbenzene

Concen: 3.992 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

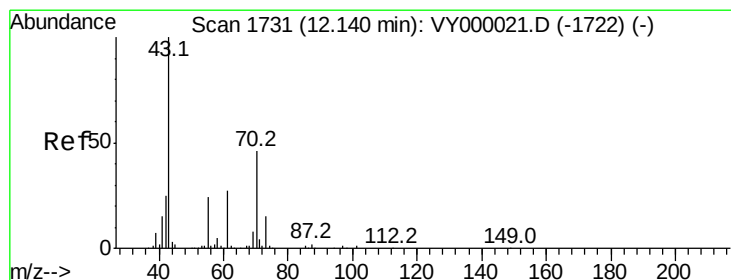
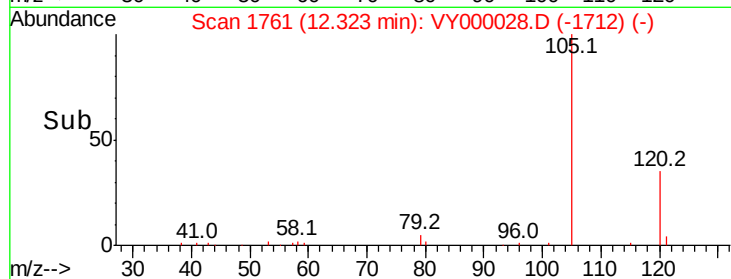
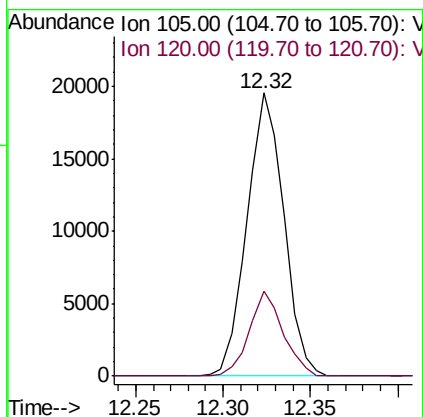
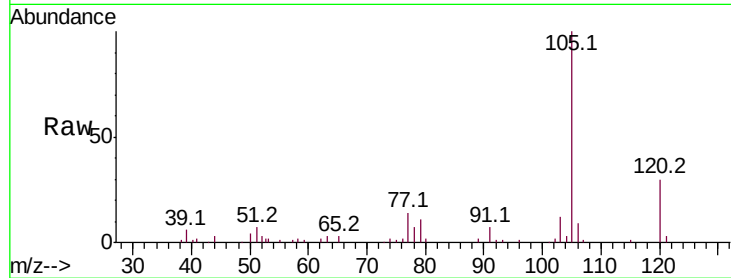
ClientSampleId :

Tot Ion:105 Resp: 28790

Ion Ratio Lower Upper

105 100

120 27.5 13.9 41.6



#74

N-ethyl acetate

Concen: 4.625 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Tgt Ion: 43 Resp: 9847

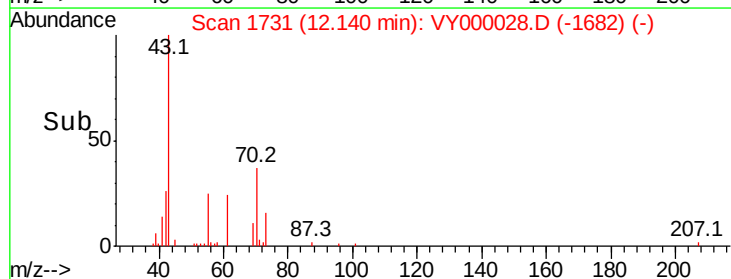
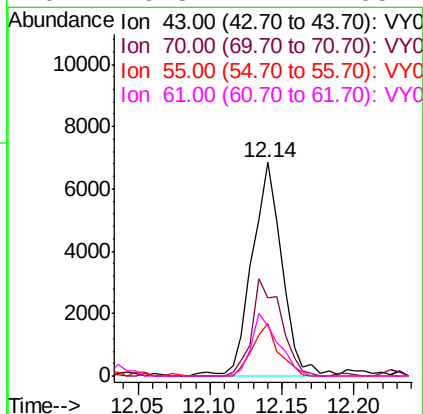
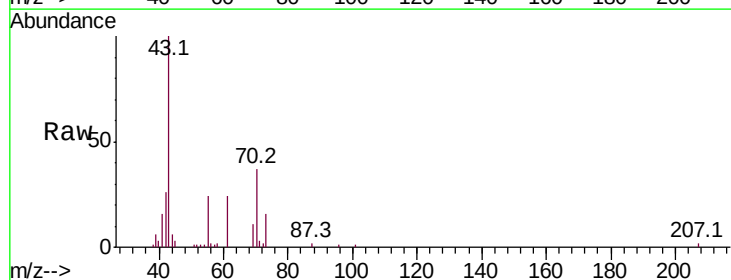
Ion Ratio Lower Upper

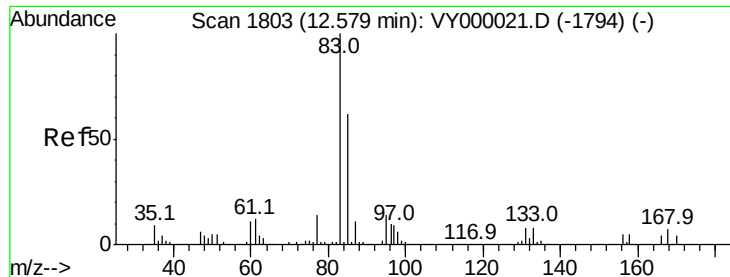
43 100

70 44.2 38.1 57.1

55 20.9 18.7 28.1

61 25.8 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.818 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

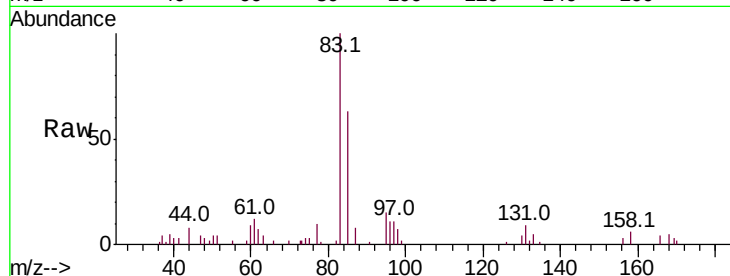
Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 83 Resp: 8307

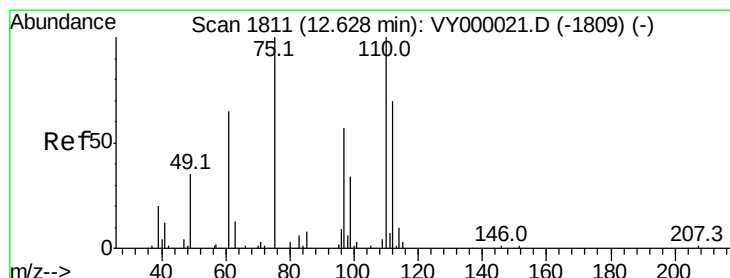
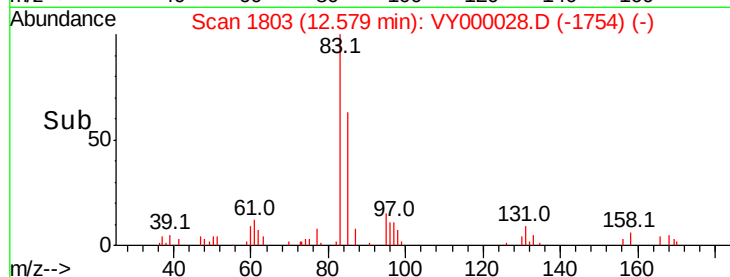
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.6	13.8
85	66.5	31.8	95.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 7.843 ug/l

RT: 12.63 min Scan# 1811

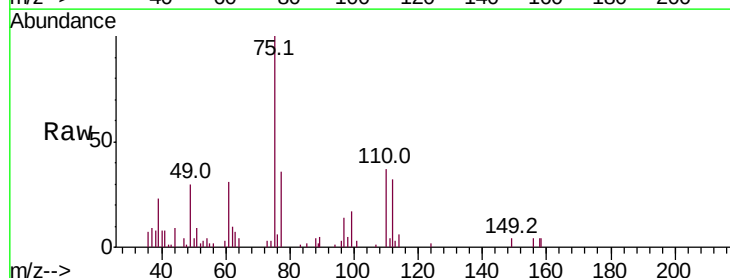
Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

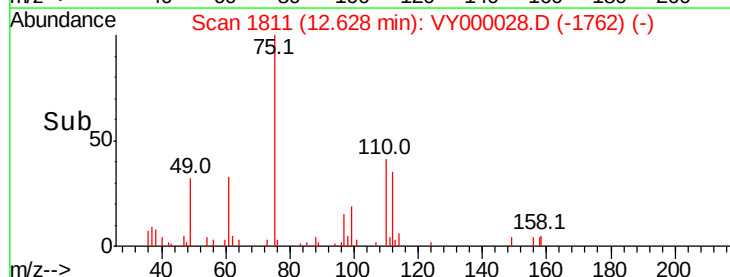
Tgt Ion: 75 Resp: 10282

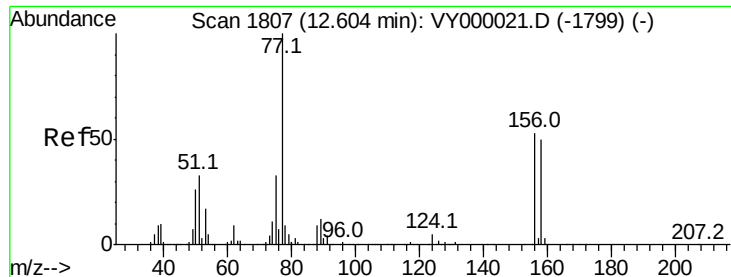
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 4.276 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

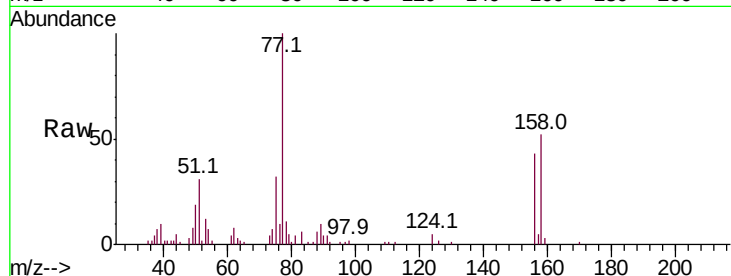
Tot Ion:156 Resp: 6524

Ion Ratio Lower Upper

156 100

77 231.1 106.0 317.9

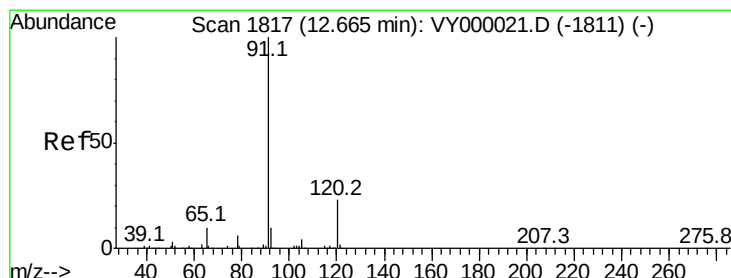
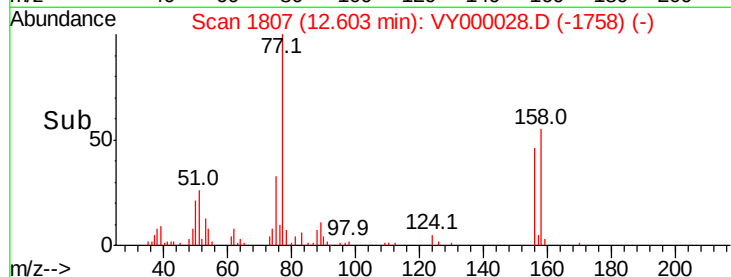
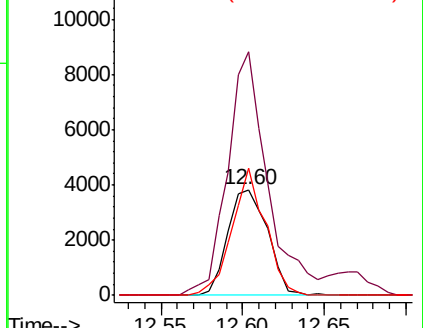
158 100.6 47.3 141.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3.902 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000028.D

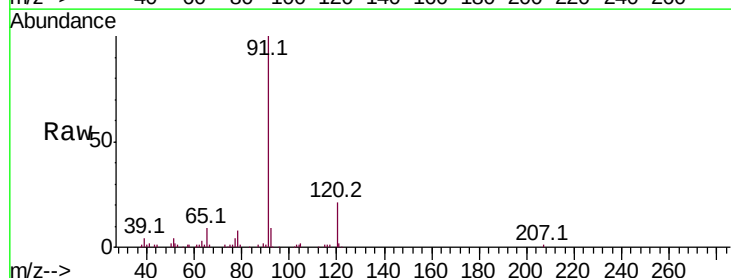
Acq: 12 Sep 2019 15:39

Tgt Ion: 91 Resp: 34388

Ion Ratio Lower Upper

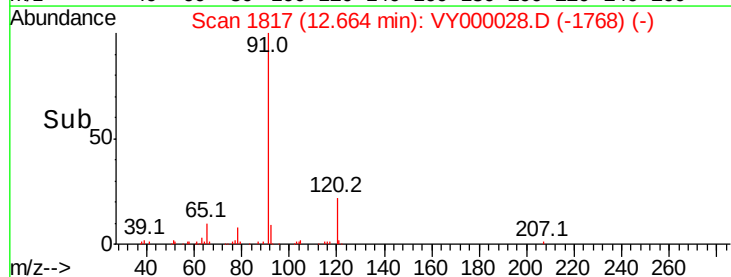
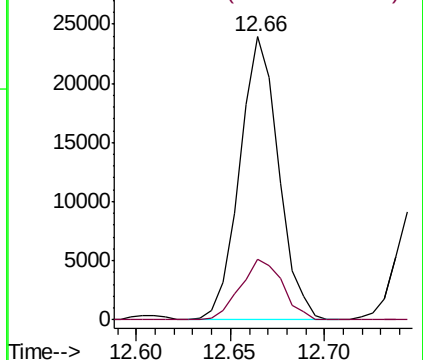
91 100

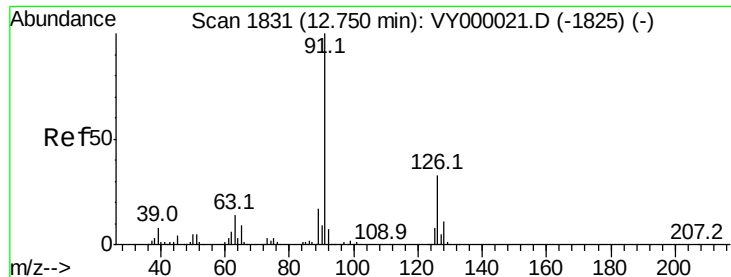
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.095 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

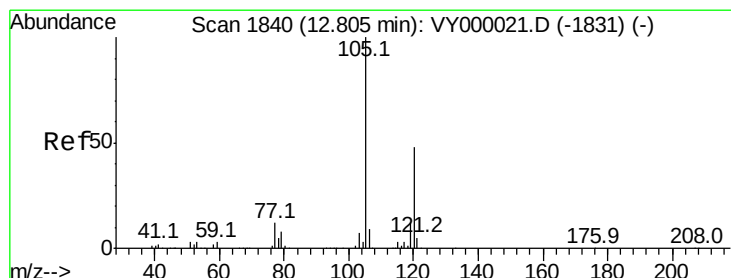
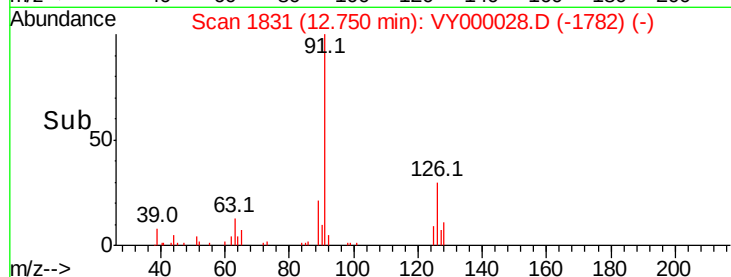
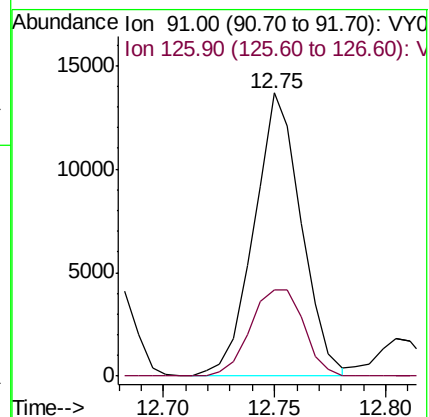
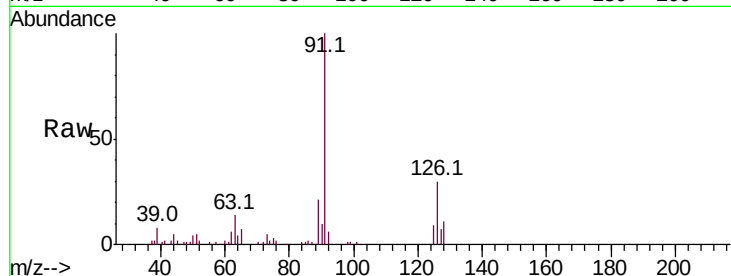
ClientSampled :

Tot Ion: 91 Resp: 20182

Ion Ratio Lower Upper

91 100

126 34.4 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 4.060 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.01 min

Lab File: VY000028.D

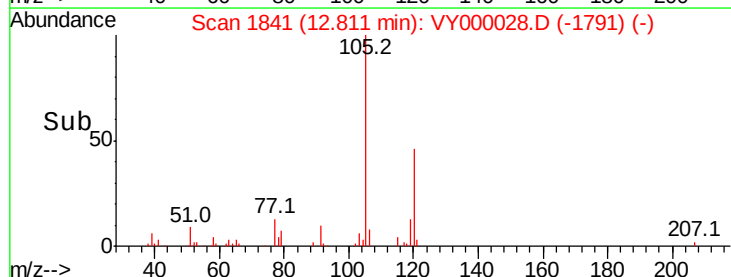
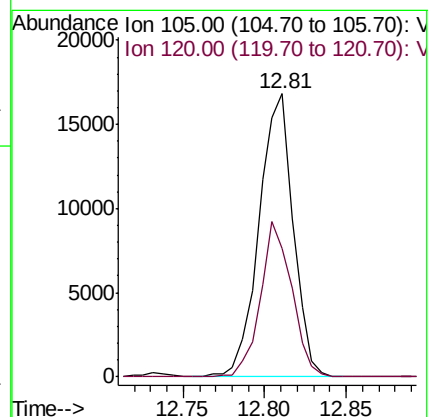
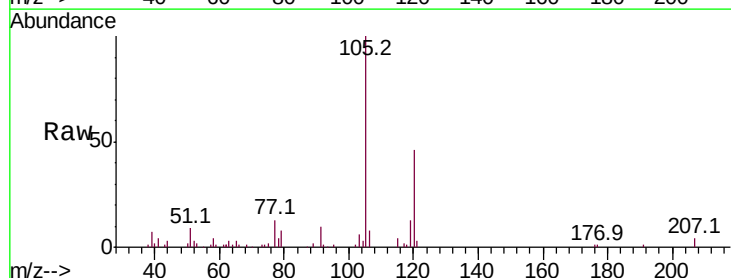
Acq: 12 Sep 2019 15:39

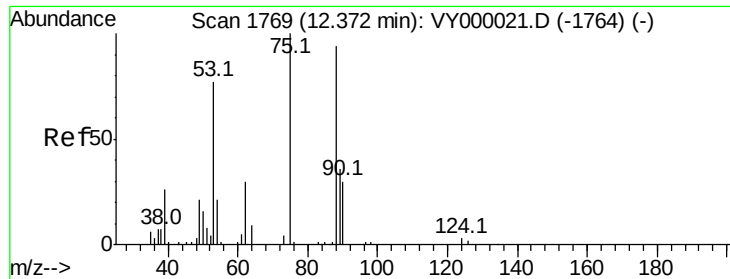
Tgt Ion:105 Resp: 24447

Ion Ratio Lower Upper

105 100

120 50.3 24.3 73.0

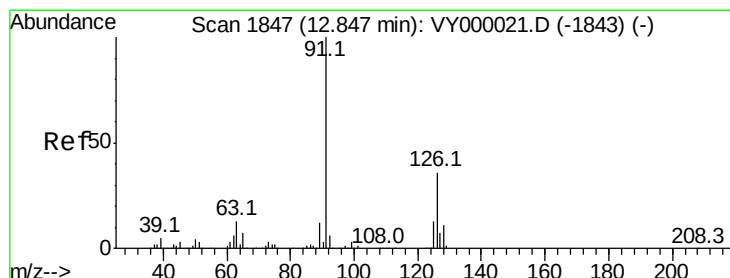
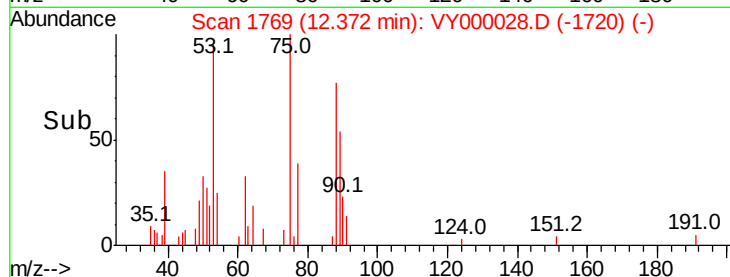
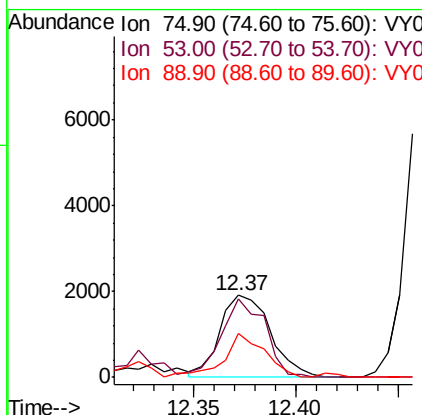
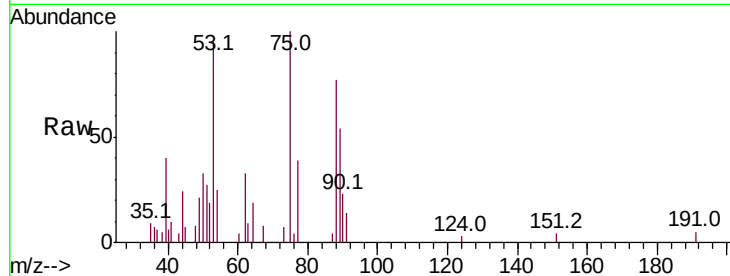




#81
trans-1,4-Dichloro-2-butene
Concen: 4.985 ug/l
RT: 12.37 min Scan# 1769
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

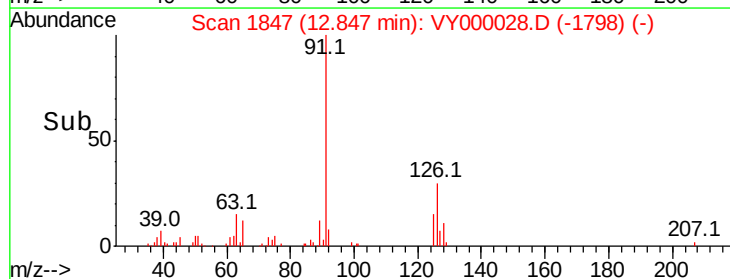
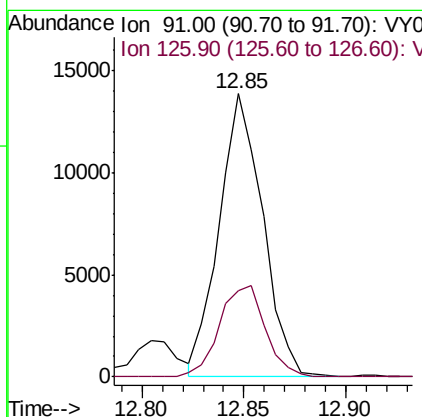
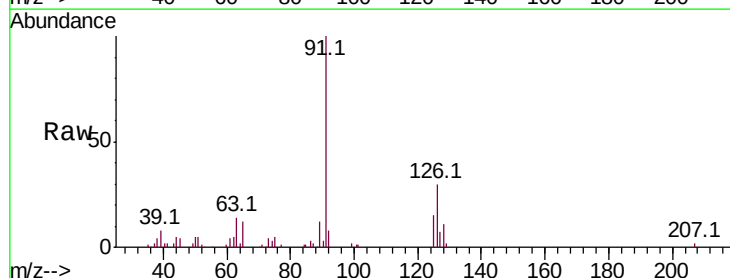
Instrument :
MSVOA_Y
ClientSampleId :

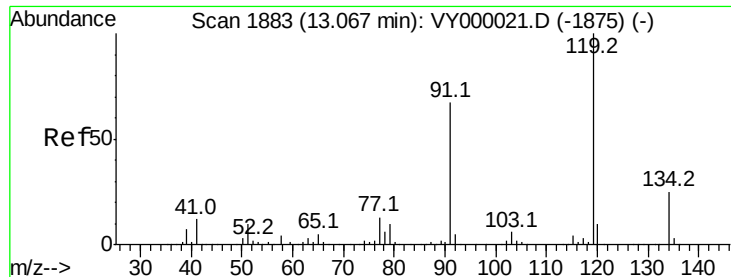
Tot Ion: 75 Resp: 3295
Ion Ratio Lower Upper
75 100
53 83.1 64.2 96.2
89 43.5 35.5 53.3



#82
4-Chlorotoluene
Concen: 3.969 ug/l
RT: 12.85 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VY000028.D
Acq: 12 Sep 2019 15:39

Tgt Ion: 91 Resp: 20531
Ion Ratio Lower Upper
91 100
126 33.8 17.2 51.5





#83

tert-Butylbenzene

Concen: 4.036 ug/l

RT: 13.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

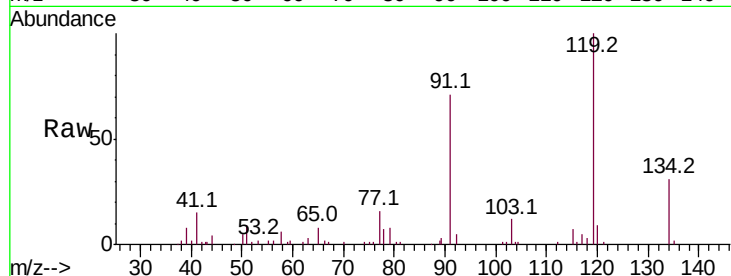
Tot Ion:119 Resp: 20882

Ion Ratio Lower Upper

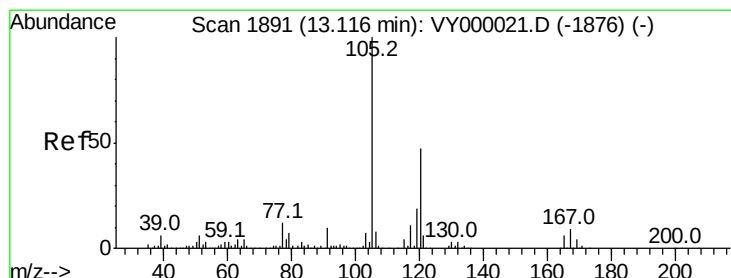
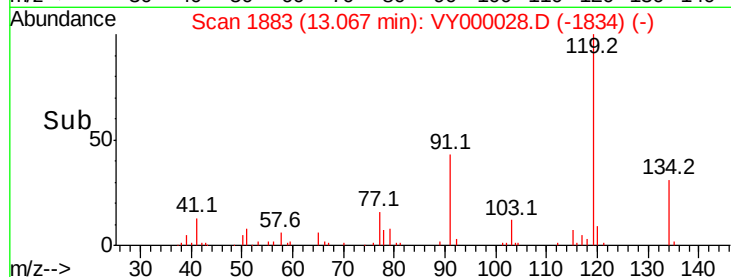
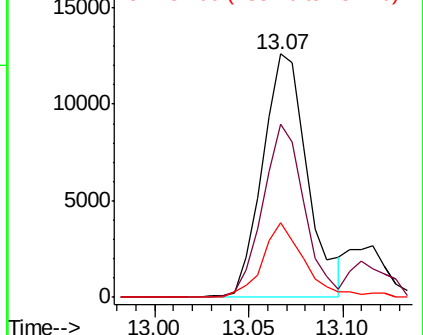
119 100

91 65.2 33.1 99.5

134 28.8 13.5 40.5



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.269 ug/l

RT: 13.12 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY000028.D

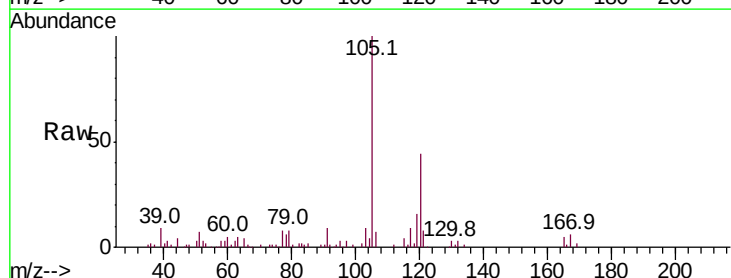
Acq: 12 Sep 2019 15:39

Tgt Ion:105 Resp: 25393

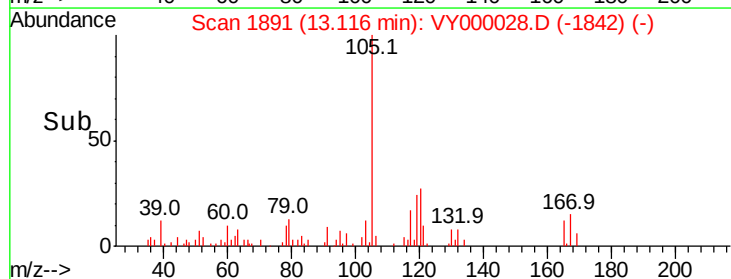
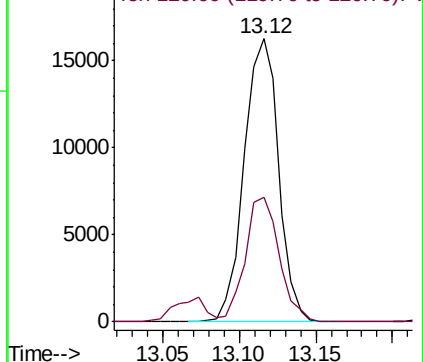
Ion Ratio Lower Upper

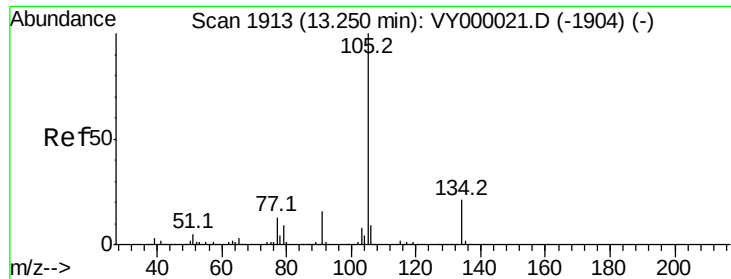
105 100

120 43.6 23.1 69.3



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





#85

sec-Butylbenzene

Concen: 3.788 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

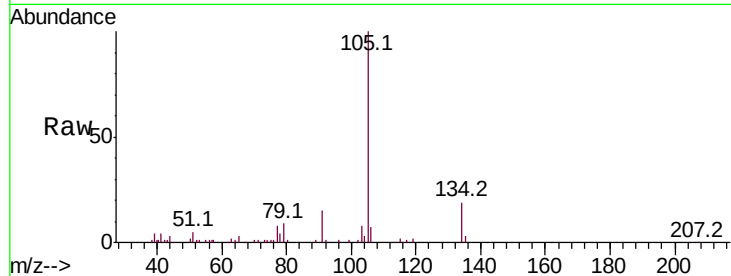
ClientSampleId :

Tot Ion:105 Resp: 28927

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

20000

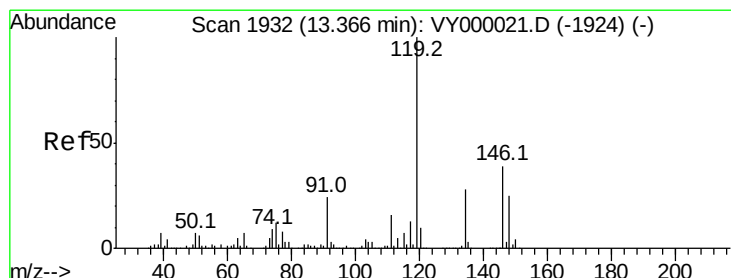
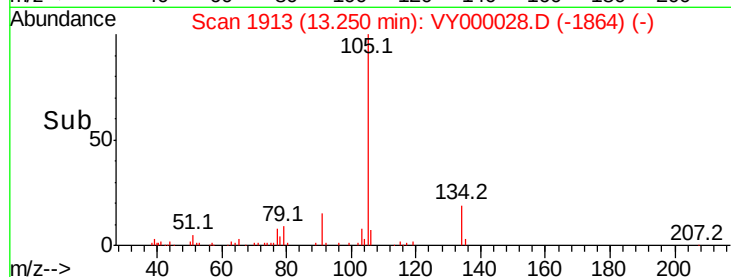
15000

10000

5000

0

Time-->



#86

p-Isopropyltoluene

Concen: 3.758 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

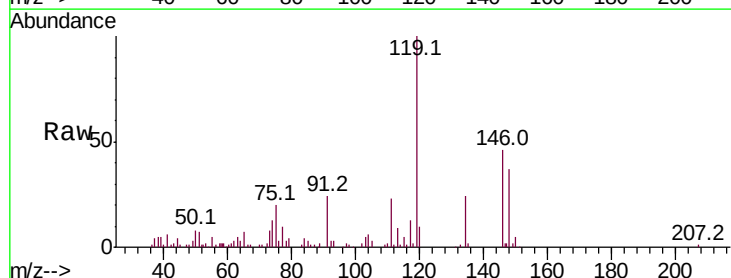
Tgt Ion:119 Resp: 24346

Ion Ratio Lower Upper

119 100

134 26.5 13.8 41.3

91 26.1 12.4 37.2



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

20000

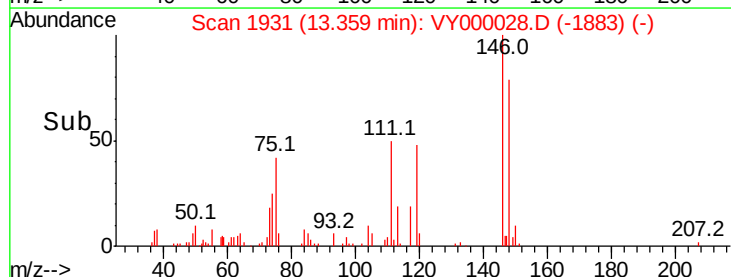
15000

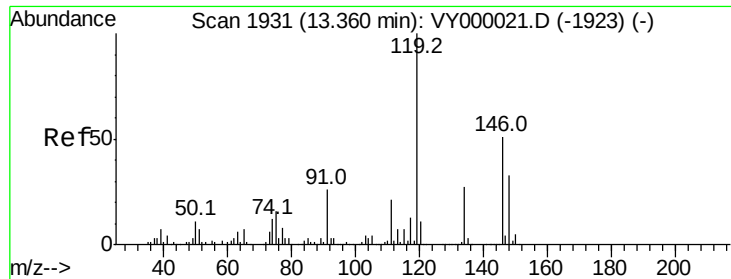
10000

5000

0

Time-->

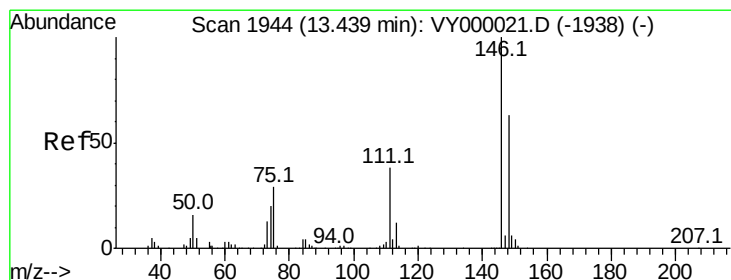
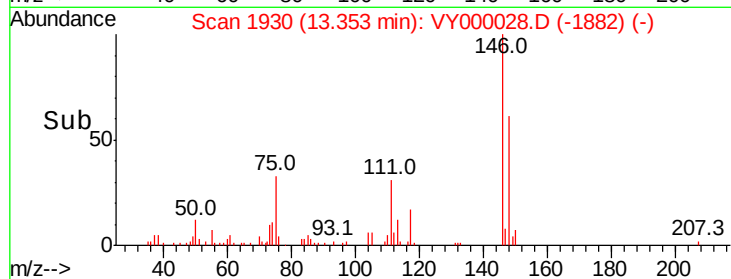
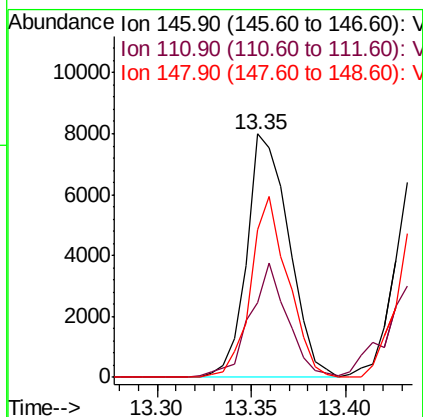
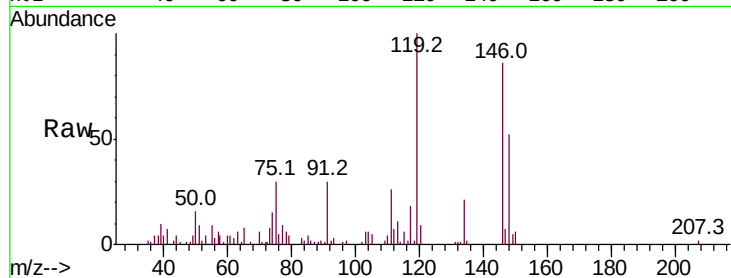




#87
 1,3-Dichlorobenzene
 Concen: 4.039 ug/l
 RT: 13.35 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

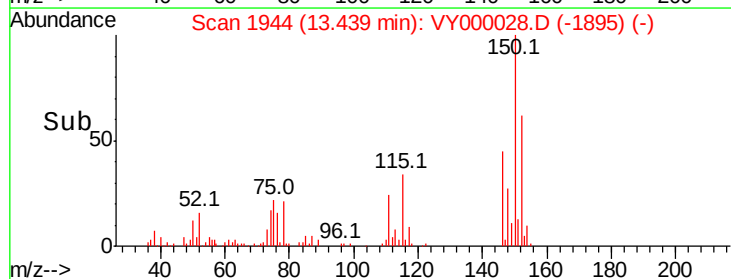
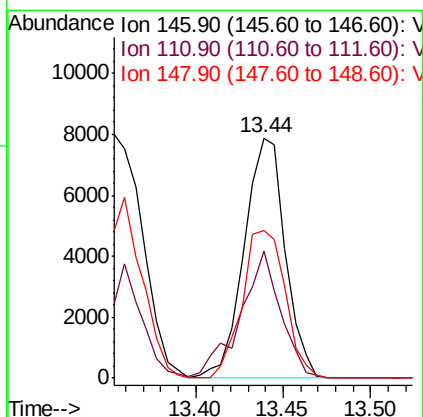
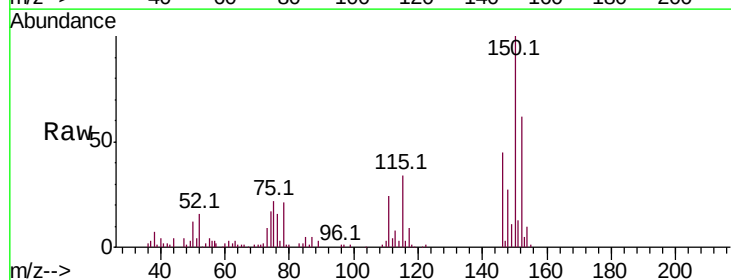
Instrument :
 MSVOA_Y
 ClientSampled :

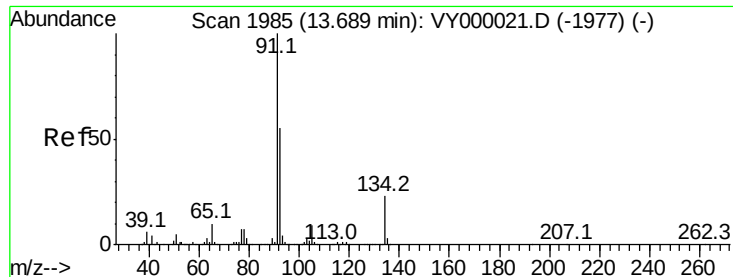
Tot Ion:146 Resp: 12400
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.2 63.6
 148 65.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 4.161 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

Tgt Ion:146 Resp: 12858
 Ion Ratio Lower Upper
 146 100
 111 52.1 20.3 60.9
 148 64.6 31.7 95.1





#89

n-Butylbenzene

Concen: 3.783 ug/l

RT: 13.69 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

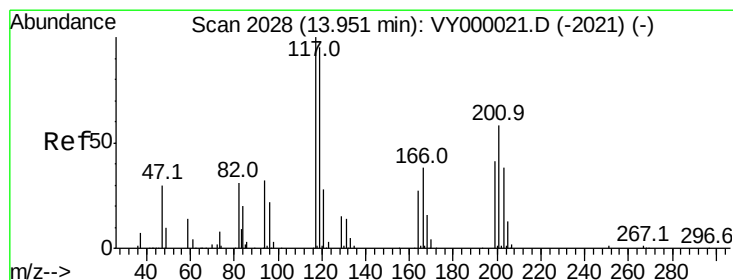
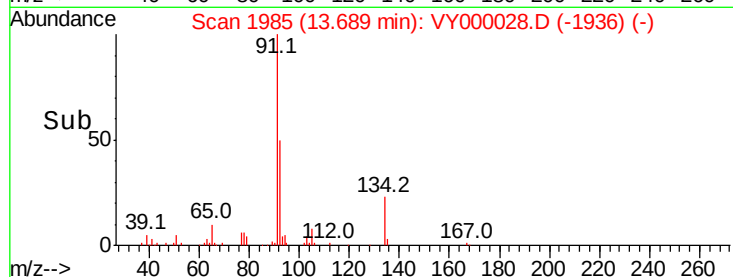
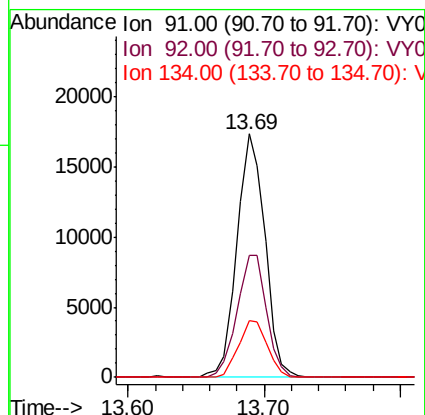
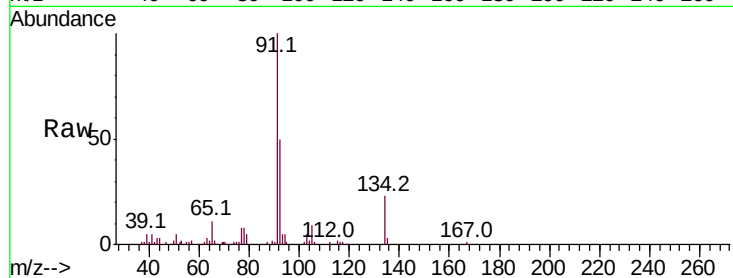
Tot Ion: 91 Resp: 24835

Ion Ratio Lower Upper

91 100

92 52.6 27.2 81.6

134 23.8 12.6 37.6



#90

Hexachloroethane

Concen: 3.901 ug/l

RT: 13.95 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VY000028.D

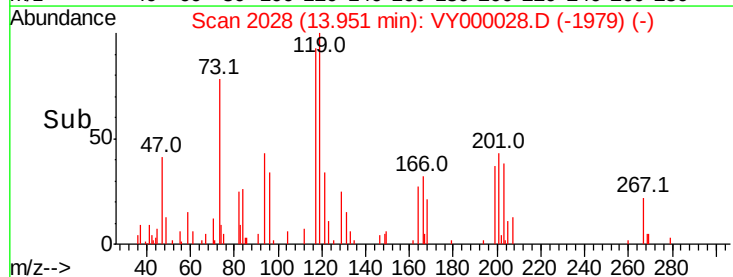
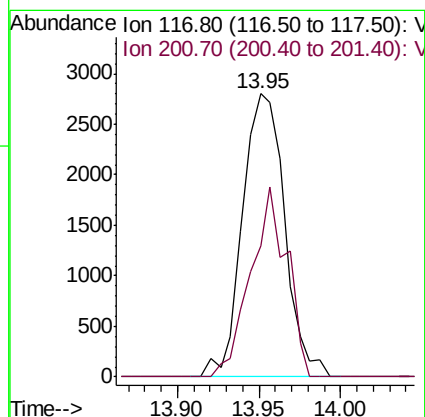
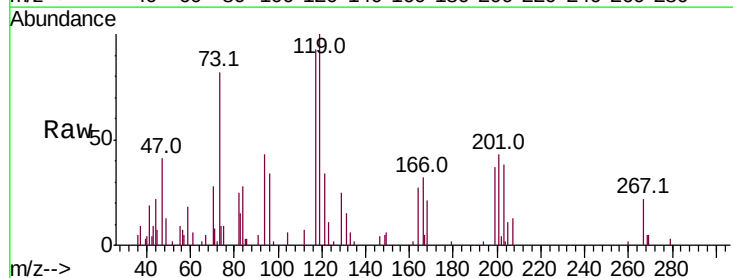
Acq: 12 Sep 2019 15:39

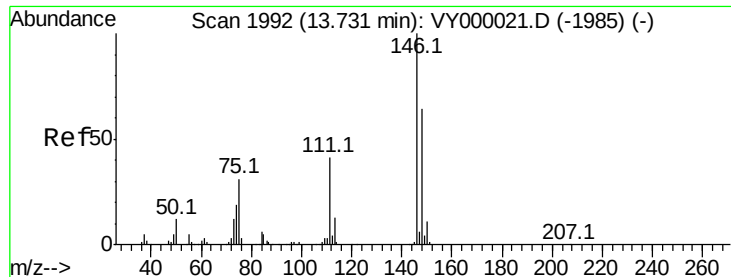
Tgt Ion: 117 Resp: 5050

Ion Ratio Lower Upper

117 100

201 57.7 31.4 94.0

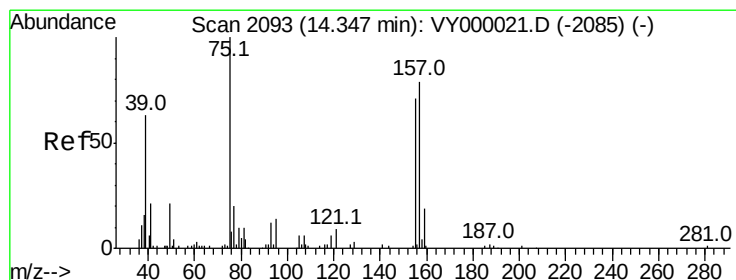
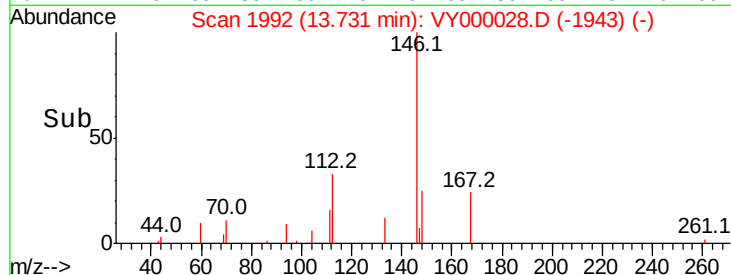
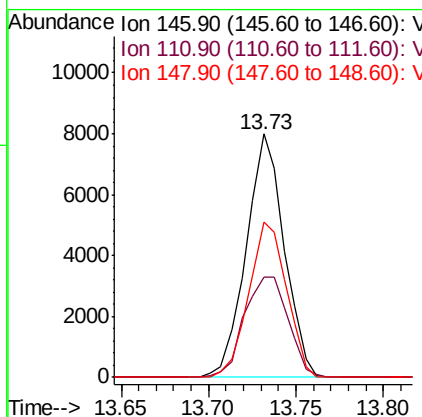
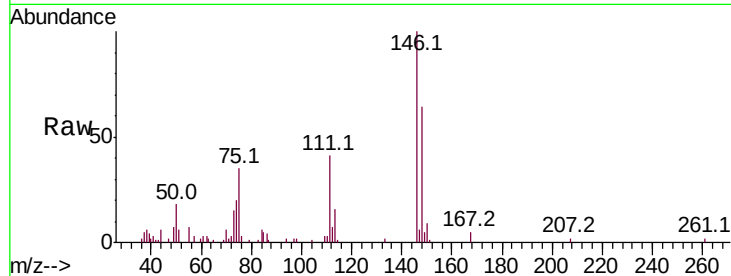




#91
 1,2-Dichlorobenzene
 Concen: 4.236 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

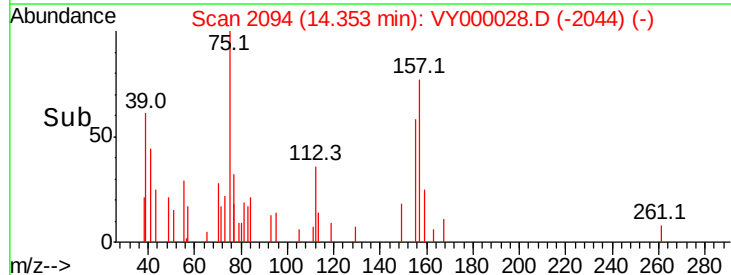
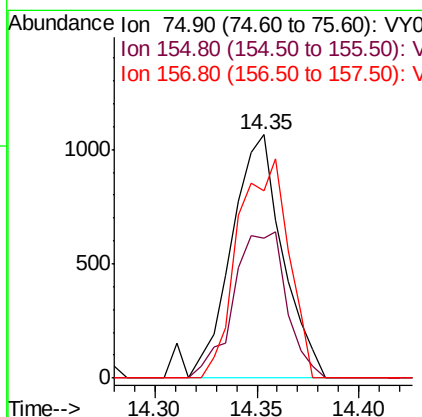
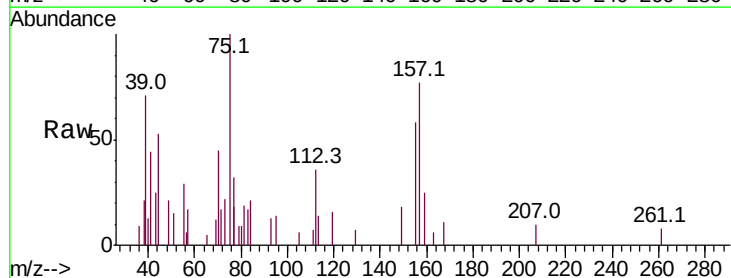
Instrument :
 MSVOA_Y
 ClientSampleId :

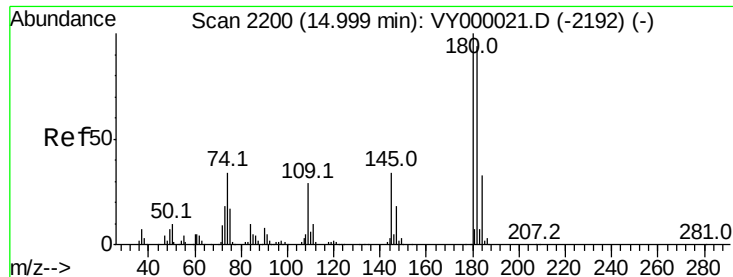
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	21.0	63.0
148	63.7	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.912 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.4	41.8	125.3
157	89.1	51.3	153.9

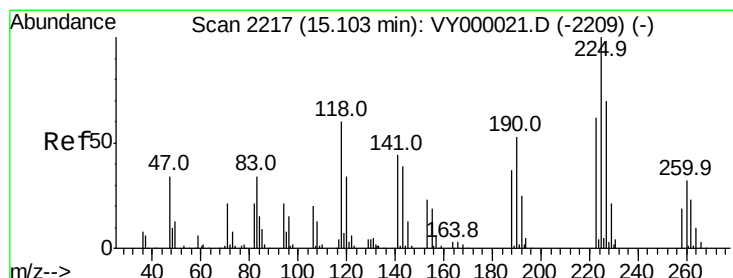
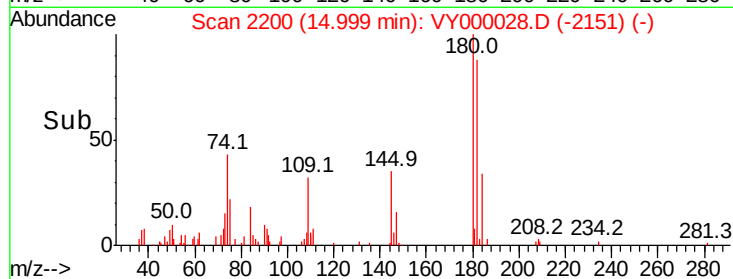
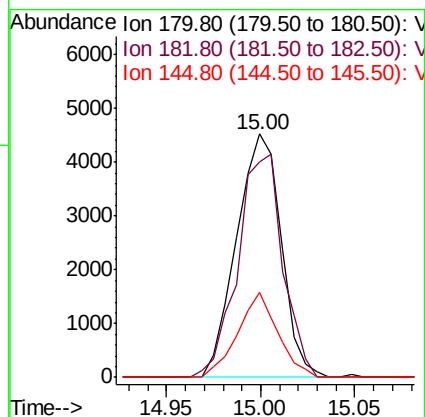
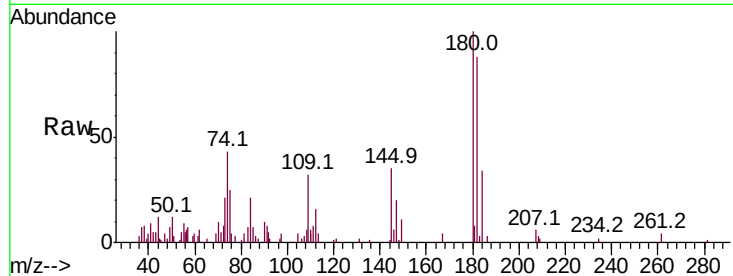




#93
 1,2,4-Trichlorobenzene
 Concen: 4.074 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

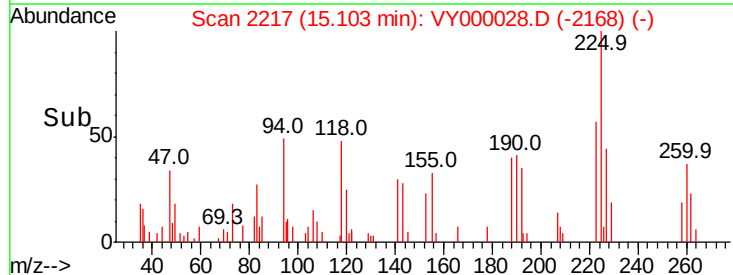
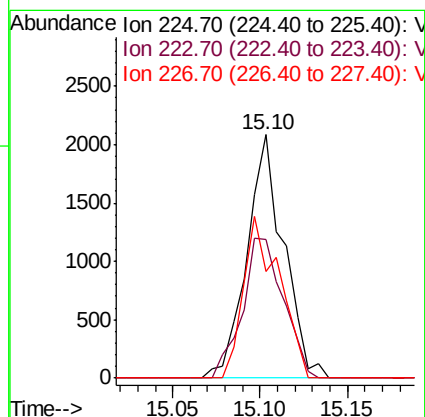
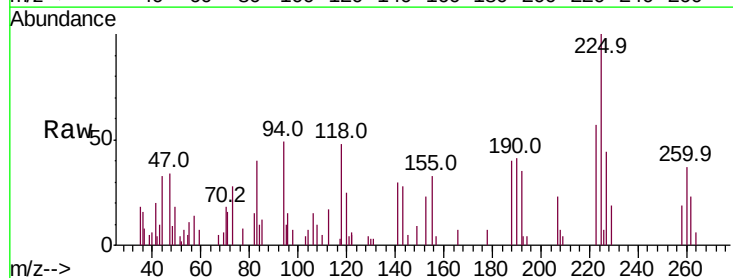
Instrument :
 MSVOA_Y
 ClientSampleId :

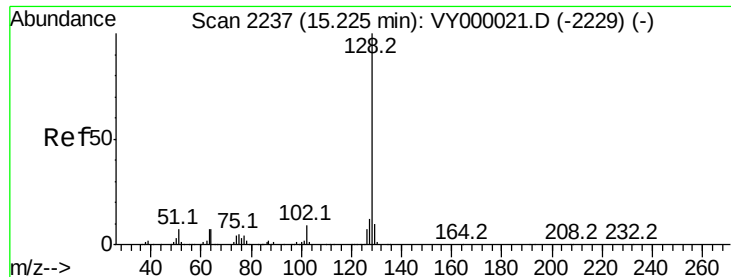
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.0	141.0
145	31.3	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 3.621 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000028.D
 Acq: 12 Sep 2019 15:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	30.9	92.7
227	65.1	31.0	93.0





#95

Naphthalene

Concen: 4.514 ug/l

RT: 15.22 min Scan# 2237

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

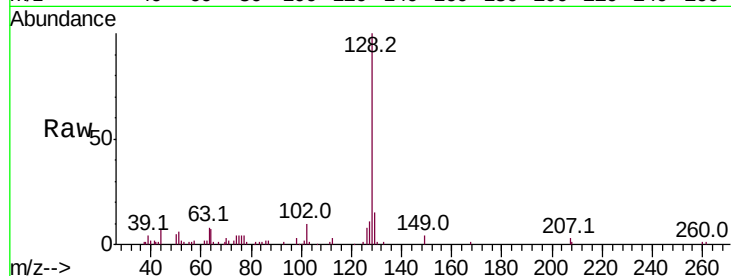
Tot Ion:128 Resp: 22518

Ion Ratio Lower Upper

128 100

127 13.1 9.8 14.8

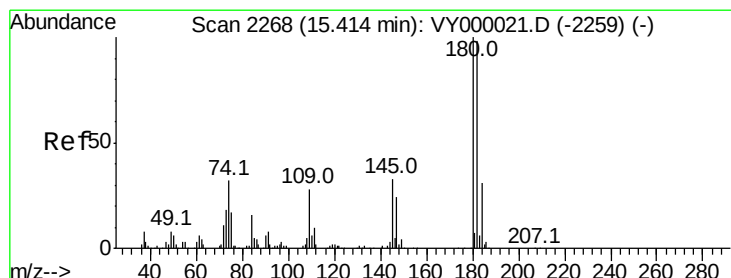
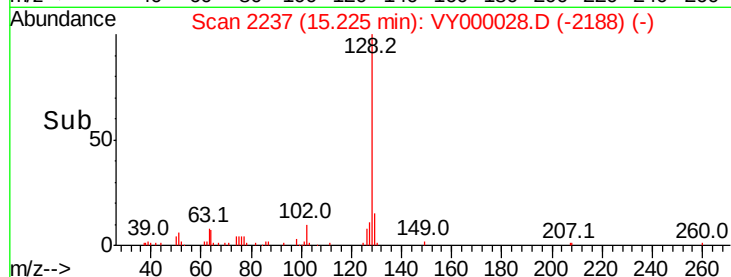
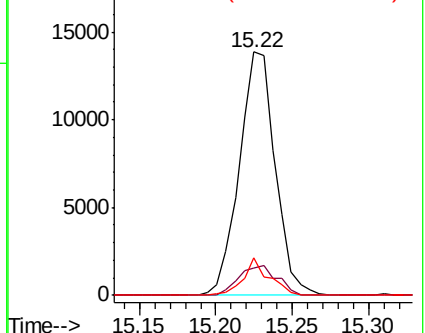
129 11.1 8.7 13.1



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: 4.496 ug/l

RT: 15.41 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VY000028.D

Acq: 12 Sep 2019 15:39

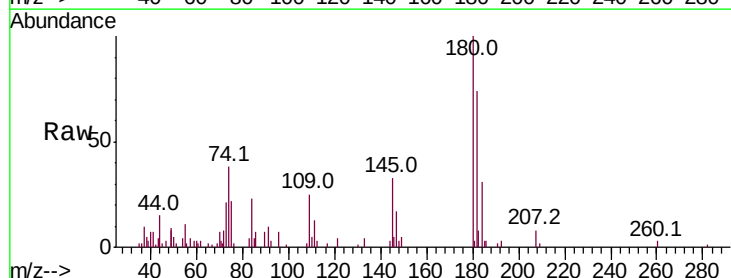
Tgt Ion:180 Resp: 7359

Ion Ratio Lower Upper

180 100

182 89.2 46.8 140.4

145 38.9 17.3 51.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

