

Data File : VY000220.D
Acq On : 08 Oct 2019 13:22
Operator : SY/MD
Sample : VSTDIC020
Misc : 5.0ml/MSVOA_Y/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Quant Time: Oct 08 14:21:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 08 14:14:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	320201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	537879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	479230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	230915	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	89879	29.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.58%	
35) Dibromofluoromethane	7.73	113	71600	23.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.36%	
50) Toluene-d8	10.18	98	274735	24.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.22%	
62) 4-Bromofluorobenzene	12.48	95	96154	23.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	70354	28.854	ug/l	98
3) Chloromethane	2.12	50	95401	32.209	ug/l	95
4) Vinyl Chloride	2.25	62	99085	30.799	ug/l	96
5) Bromomethane	2.64	94	72281	27.936	ug/l	97
6) Chloroethane	2.79	64	64613	31.262	ug/l #	87
7) Trichlorofluoromethane	3.13	101	124847	27.532	ug/l	90
8) Diethyl Ether	3.53	74	58132	33.010	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.91	101	74324	27.839	ug/l	94
10) Methyl Iodide	4.09	142	109134	30.442	ug/l	95
11) Tert butyl alcohol	4.97	59	243698	157.808	ug/l	98
12) 1,1-Dichloroethene	3.87	96	77012	28.141	ug/l	88
13) Acrolein	3.73	56	115953	191.201	ug/l	100
14) Allyl chloride	4.48	41	157903	38.724	ug/l #	79
15) Acrylonitrile	5.17	53	431519	170.219	ug/l	99
16) Acetone	3.96	43	349628	172.717	ug/l	97
17) Carbon Disulfide	4.19	76	225210	29.994	ug/l	100
18) Methyl Acetate	4.48	43	199514	36.052	ug/l	90
19) Methyl tert-butyl Ether	5.23	73	283920	32.172	ug/l	94
20) Methylene Chloride	4.72	84	92278	29.410	ug/l #	89
21) trans-1,2-Dichloroethene	5.22	96	85168	29.931	ug/l	91
22) Diisopropyl ether	6.13	45	299879	36.963	ug/l	95
23) Vinyl Acetate	6.07	43	1392340	184.209	ug/l	94
24) 1,1-Dichloroethane	6.02	63	154053	33.370	ug/l	96
25) 2-Butanone	7.00	43	664822	182.337	ug/l	100
26) 2,2-Dichloropropane	6.99	77	135939	29.844	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	100744	29.710	ug/l	89
28) Bromochloromethane	7.35	49	50902	38.640	ug/l	84
29) Tetrahydrofuran	7.36	42	472142	186.827	ug/l	91
30) Chloroform	7.52	83	158390	30.419	ug/l	98
31) Cyclohexane	7.79	56	146396	26.955	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	136558	29.877	ug/l	98
36) 1,1-Dichloropropene	7.93	75	116308	26.960	ug/l	97
37) Ethyl Acetate	7.08	43	216631	32.030	ug/l	98
38) Carbon Tetrachloride	7.91	117	119224	25.692	ug/l	99

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	145968	25.425	ug/l	94
40) Benzene	8.17	78	367985	28.478	ug/l	96
41) Methacrylonitrile	7.35	41	352366	41.737	ug/l #	18
42) 1,2-Dichloroethane	8.25	62	124566	29.677	ug/l	95
43) Isopropyl Acetate	8.28	43	287626	32.825	ug/l	97
44) Trichloroethene	8.95	130	100614	24.252	ug/l	99
45) 1,2-Dichloropropane	9.22	63	95685	30.385	ug/l	94
46) Dibromomethane	9.31	93	63748	27.232	ug/l	91
47) Bromodichloromethane	9.50	83	128541	28.939	ug/l	100
48) Methyl methacrylate	9.30	41	129121	34.298	ug/l	90
49) 1,4-Dioxane	9.30	88	67006	567.972	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	1116538	172.291	ug/l	96
52) Toluene	10.25	92	230981	27.306	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	148911	29.852	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	152807	28.601	ug/l	93
55) 1,1,2-Trichloroethane	10.65	97	93799	27.029	ug/l	95
56) Ethyl methacrylate	10.52	69	169031	32.016	ug/l	94
57) 1,3-Dichloropropane	10.79	76	161366	29.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	396710	132.094	ug/l	92
59) 2-Hexanone	10.83	43	956545	173.610	ug/l	97
60) Dibromochloromethane	10.99	129	99961	25.810	ug/l	99
61) 1,2-Dibromoethane	11.10	107	100763	26.789	ug/l	100
64) Tetrachloroethene	10.72	164	98889	23.235	ug/l	97
65) Chlorobenzene	11.52	112	243545	26.094	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	89290	25.517	ug/l	96
67) Ethyl Benzene	11.60	91	434805	26.986	ug/l	96
68) m/p-Xylenes	11.70	106	336527	52.972	ug/l	95
69) o-Xylene	12.03	106	160528	25.669	ug/l	93
70) Styrene	12.05	104	276885	26.743	ug/l	96
71) Bromoform	12.21	173	77393	25.093	ug/l #	100
73) Isopropylbenzene	12.33	105	424637	27.573	ug/l	97
74) N-amyl acetate	12.14	43	220562	36.996	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	150619	30.751	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	232423	34.919	ug/l #	100
77) Bromobenzene	12.61	156	100606	24.911	ug/l	78
78) n-propylbenzene	12.67	91	498691	28.437	ug/l	96
79) 2-Chlorotoluene	12.75	91	285612	28.806	ug/l	94
80) 1,3,5-Trimethylbenzene	12.81	105	359971	27.794	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	65881	32.897	ug/l #	91
82) 4-Chlorotoluene	12.86	91	293129	28.915	ug/l	95
83) tert-Butylbenzene	13.08	119	305891	26.128	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	358863	27.943	ug/l	99
85) sec-Butylbenzene	13.25	105	424596	26.772	ug/l	97
86) p-Isopropyltoluene	13.37	119	379282	26.328	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	189671	25.498	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	189974	25.338	ug/l	97
89) n-Butylbenzene	13.69	91	353689	27.969	ug/l	97
90) Hexachloroethane	13.96	117	71391	26.326	ug/l	91
91) 1,2-Dichlorobenzene	13.73	146	185703	25.687	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	48674	30.480	ug/l	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100819\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	124711	23.993	ug/l	98
94) Hexachlorobutadiene	15.11	225	60309	21.712	ug/l	95
95) Naphthalene	15.23	128	485065	27.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	124288	23.961	ug/l	98

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

Data File : VY000220.D

Acq On : 08 Oct 2019 13:22

Operator : SY/MD

Sample : VSTDICC020

Misc : 5.0ml/MSVOA Y/WATER

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

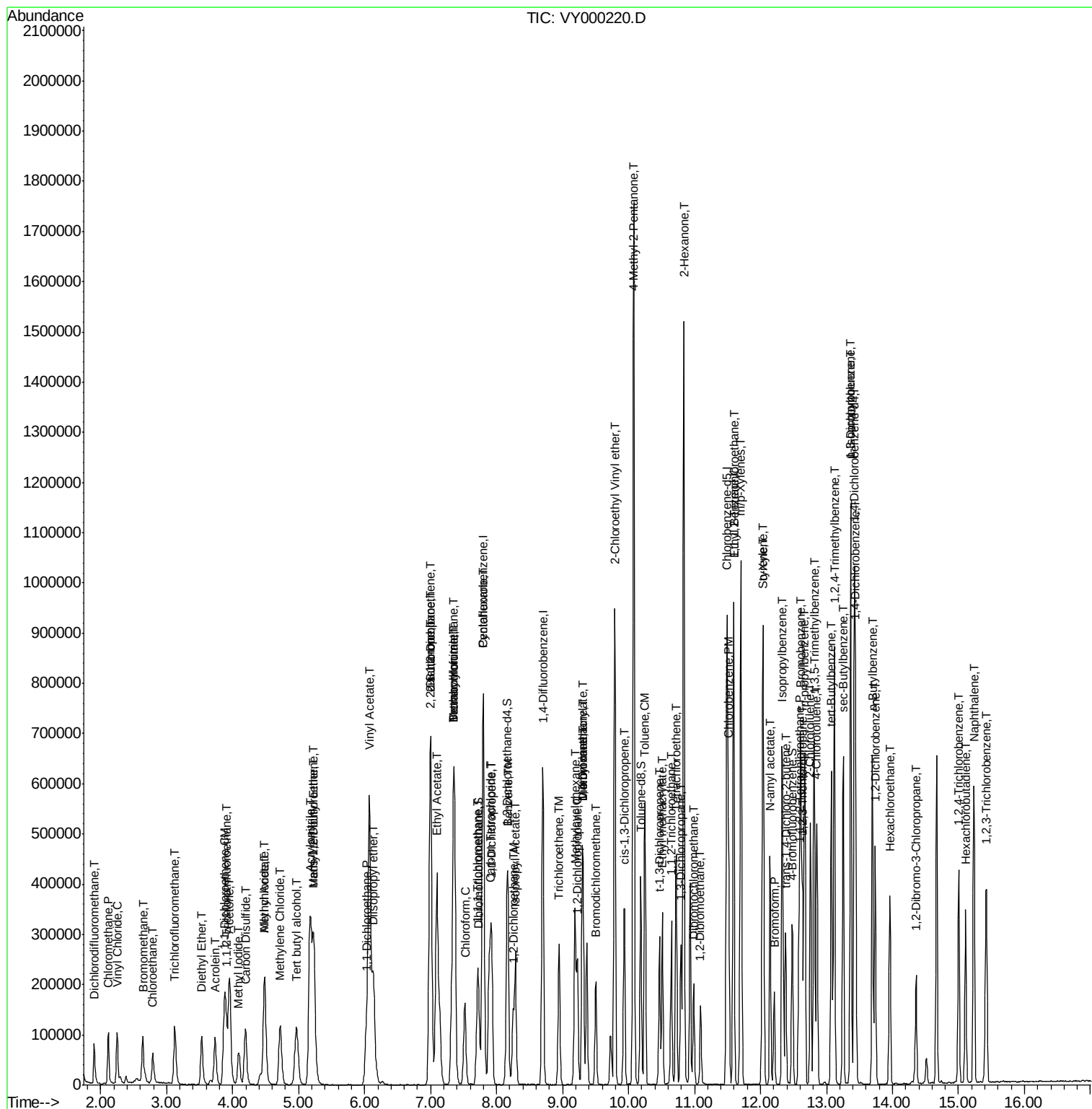
Quant Time: Oct 08 14:21:37 2019

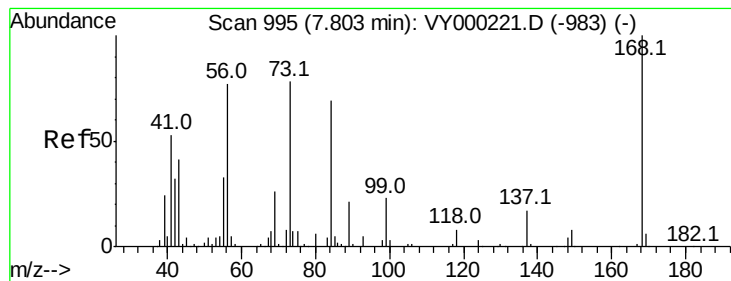
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_Y\METHODS\82Y100819W.M

Quant Title : SW846 8260

QLast Update : Tue Oct 08 14:14:03 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

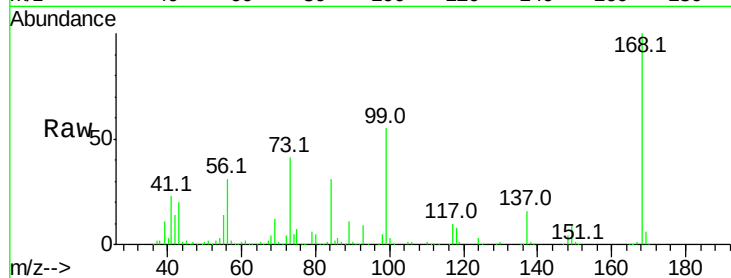
VSTDIC020

Tgt Ion:168 Resp: 320201

Ion Ratio Lower Upper

168 100

99 55.3 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VY000220.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000220.D (-946) (-)

7.80

150000

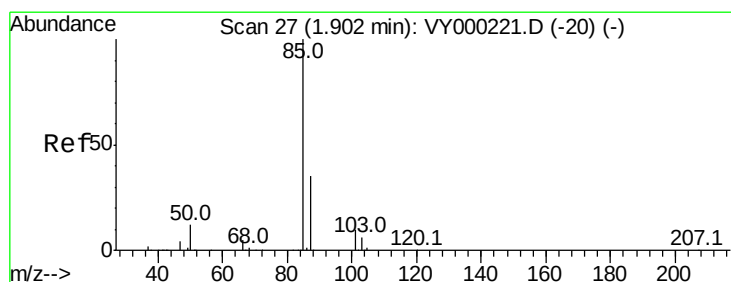
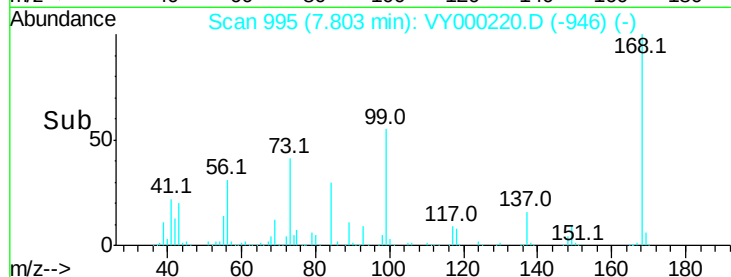
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 28.854 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000220.D

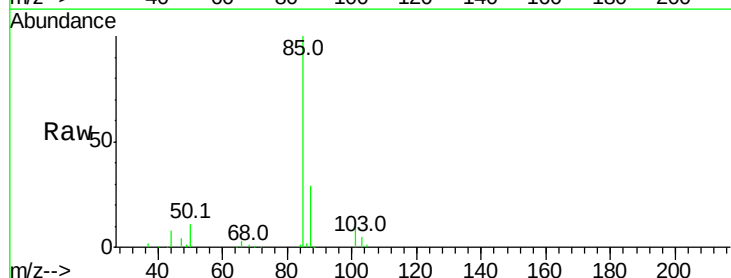
Acq: 08 Oct 2019 13:22

Tgt Ion: 85 Resp: 70354

Ion Ratio Lower Upper

85 100

87 29.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VY000220.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000220.D (-1) (-)

1.90

50000

40000

30000

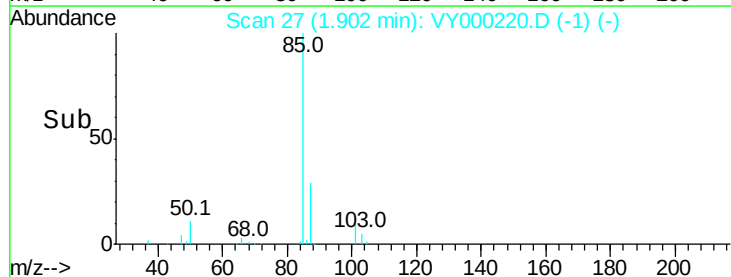
20000

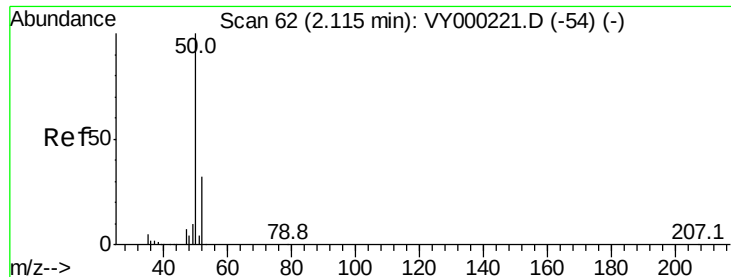
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 32.209 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

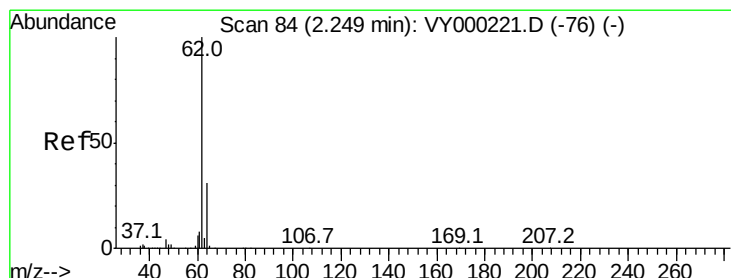
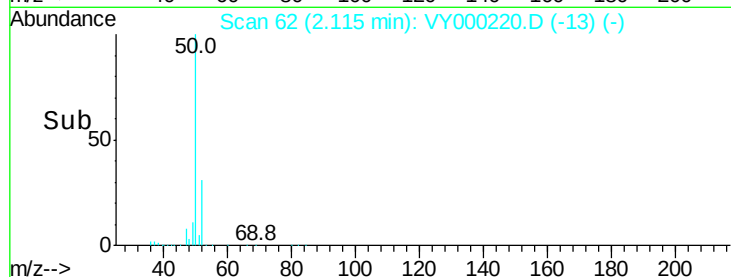
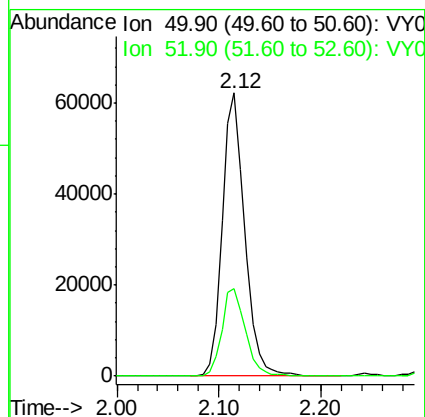
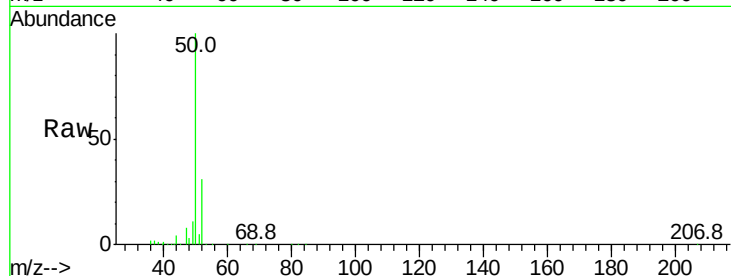
VSTDIC020

Tgt Ion: 50 Resp: 95401

Ion Ratio Lower Upper

50 100

52 30.9 26.8 40.2



#4

Vinyl Chloride

Concen: 30.799 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000220.D

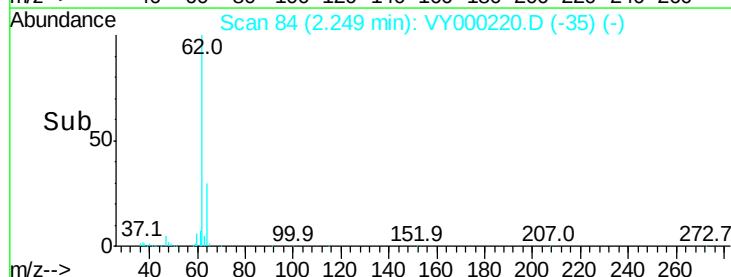
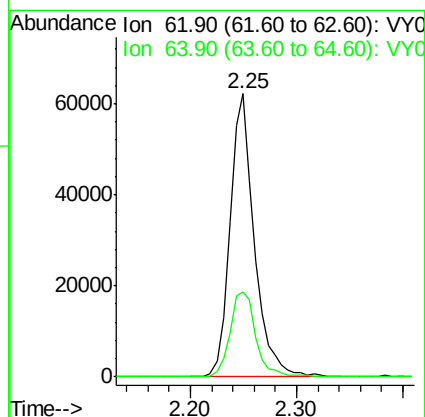
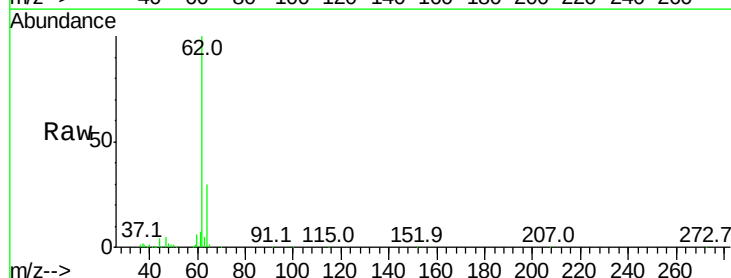
Acq: 08 Oct 2019 13:22

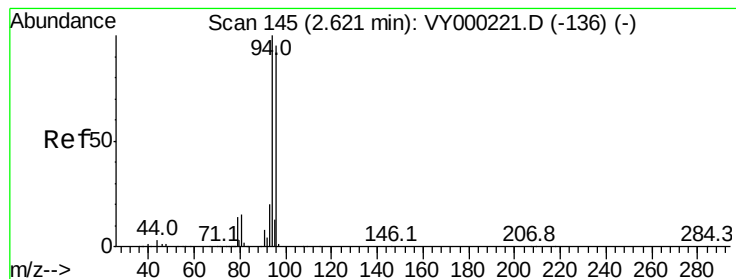
Tgt Ion: 62 Resp: 99085

Ion Ratio Lower Upper

62 100

64 30.2 25.9 38.9





#5

Bromomethane

Concen: 27.936 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

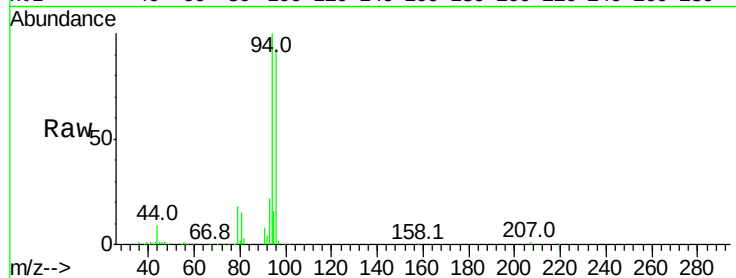
VSTDIC020

Tgt Ion: 94 Resp: 72281

Ion Ratio Lower Upper

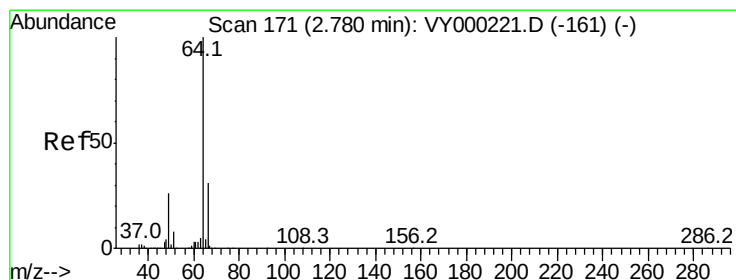
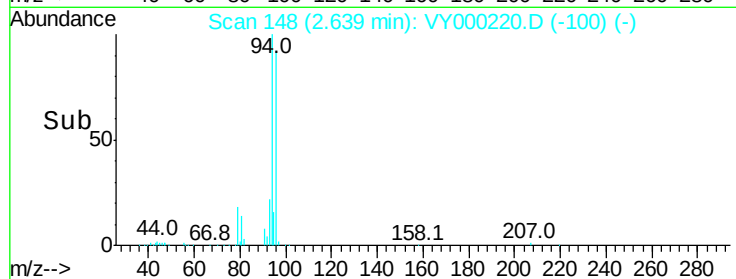
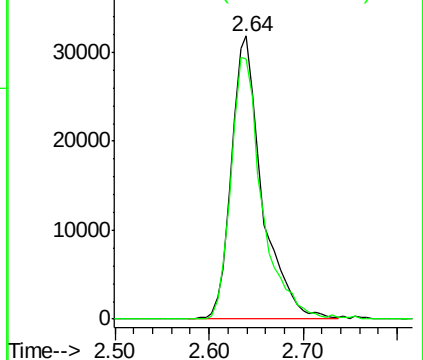
94 100

96 91.8 71.2 106.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 31.262 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000220.D

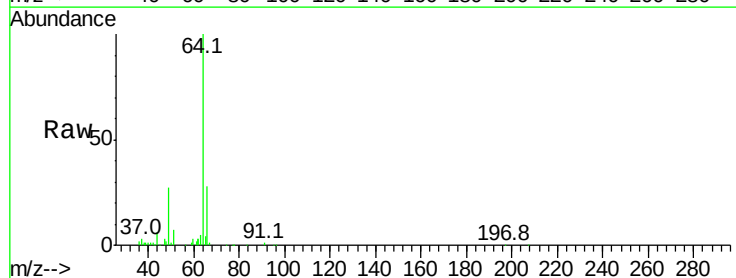
Acq: 08 Oct 2019 13:22

Tgt Ion: 64 Resp: 64613

Ion Ratio Lower Upper

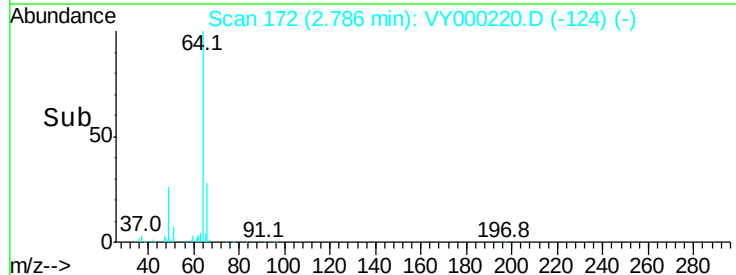
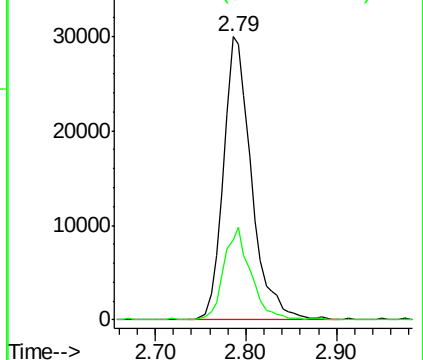
64 100

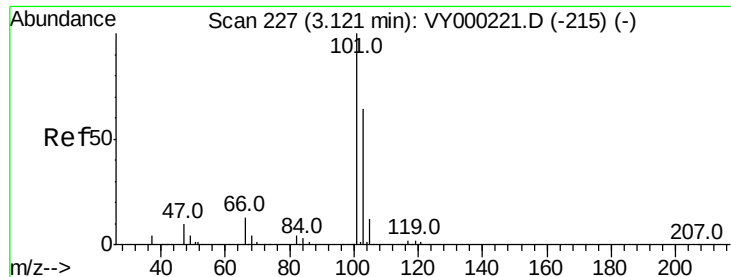
66 28.2 28.6 42.8#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



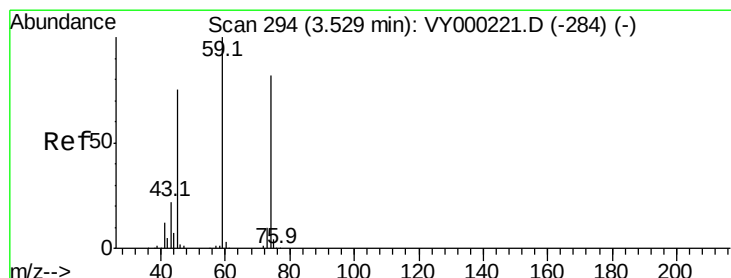
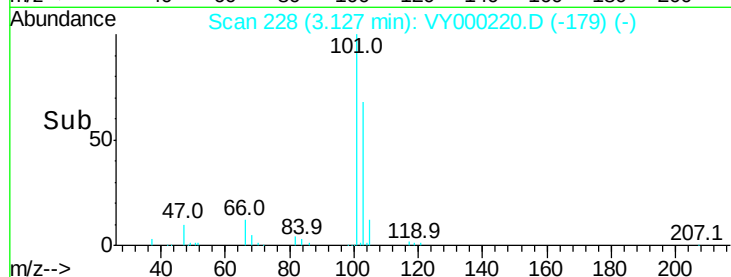
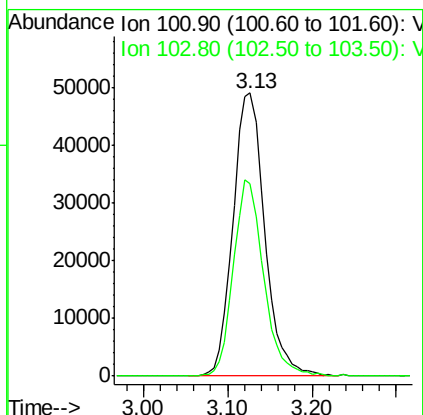
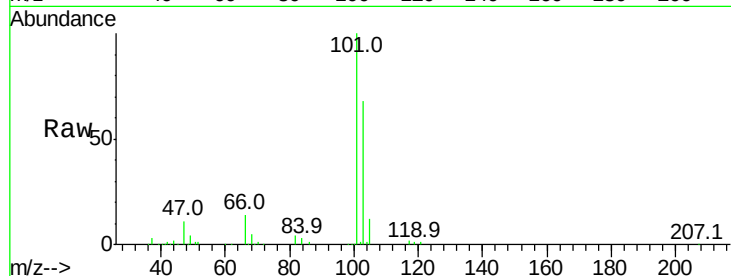


#7

Trichlorofluoromethane
 Concen: 27.532 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

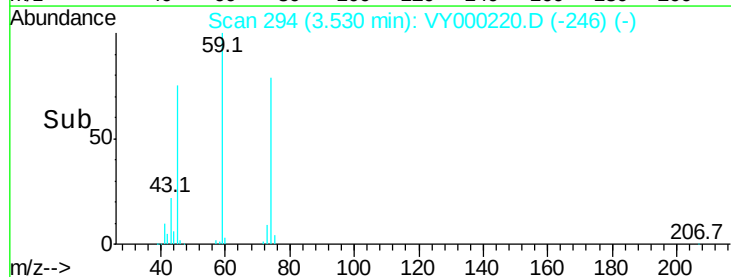
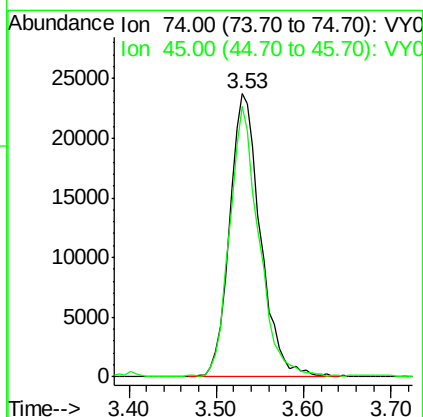
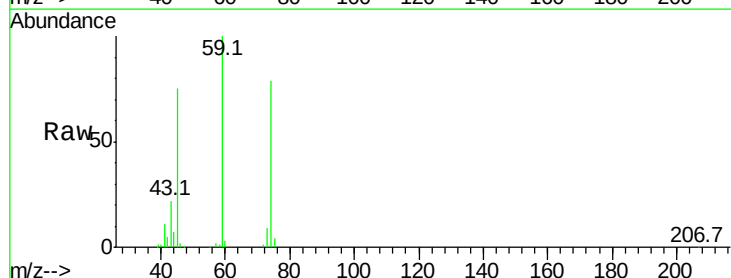
Tgt Ion:101 Resp: 124847
 Ion Ratio Lower Upper
 101 100
 103 68.0 48.3 72.5

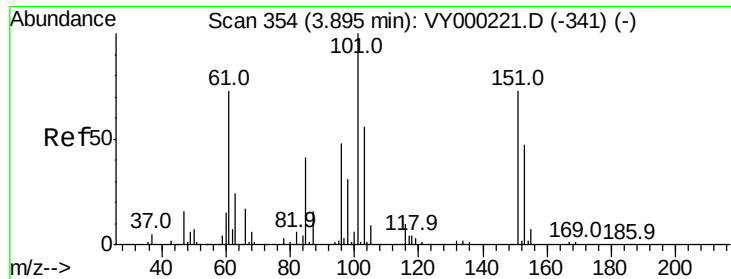


#8

Diethyl Ether
 Concen: 33.010 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Tgt Ion: 74 Resp: 58132
 Ion Ratio Lower Upper
 74 100
 45 91.2 40.6 121.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.839 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

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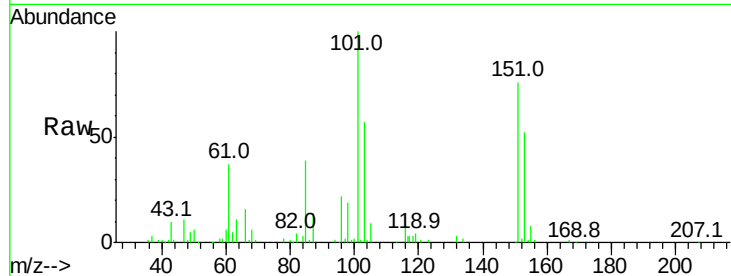
Tgt Ion:101 Resp: 74324

Ion Ratio Lower Upper

101 100

85 44.5 34.6 52.0

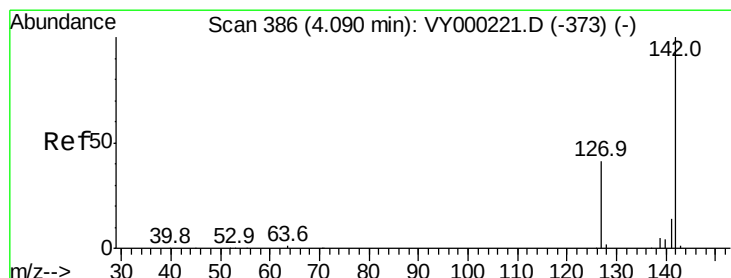
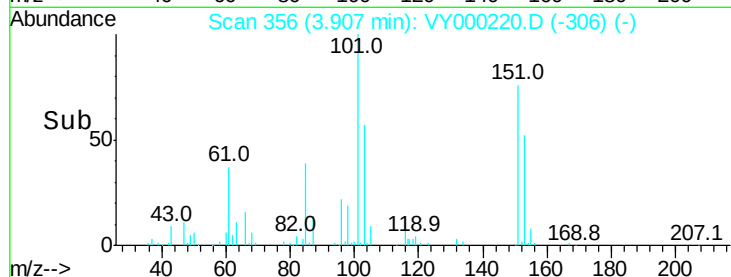
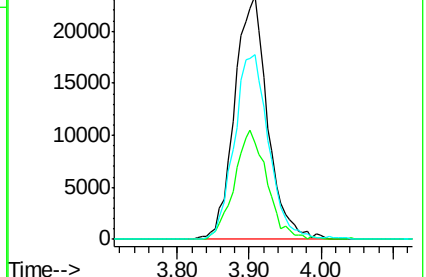
151 79.2 69.2 103.8



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: 30.442 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

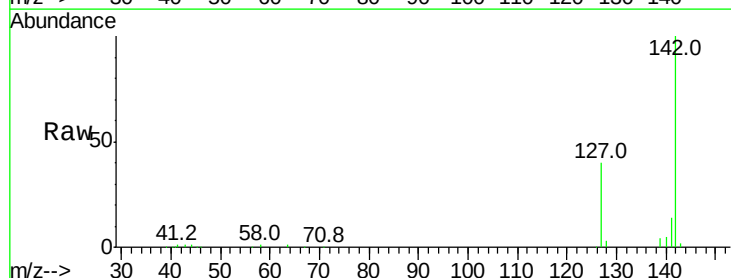
Tgt Ion:142 Resp: 109134

Ion Ratio Lower Upper

142 100

127 41.8 30.8 46.2

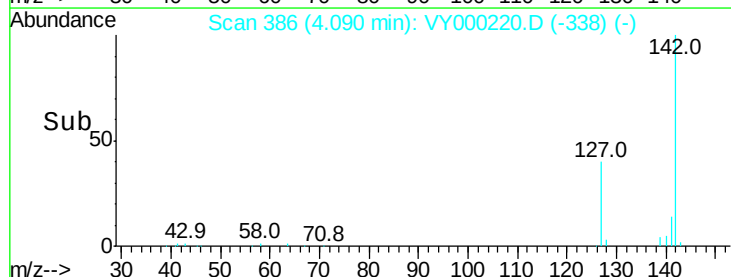
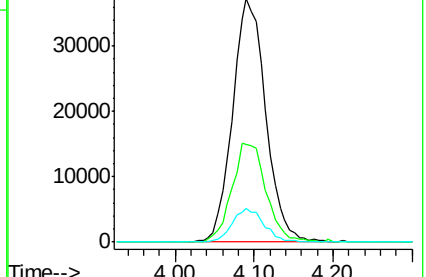
141 13.1 11.2 16.8

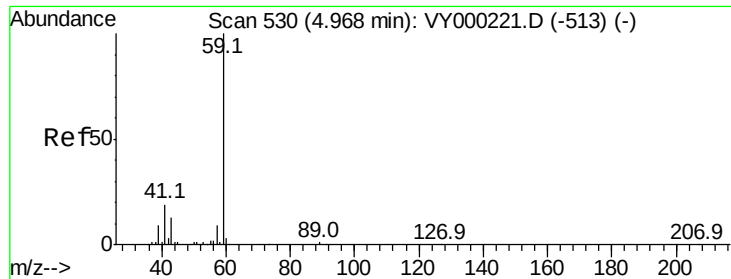


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



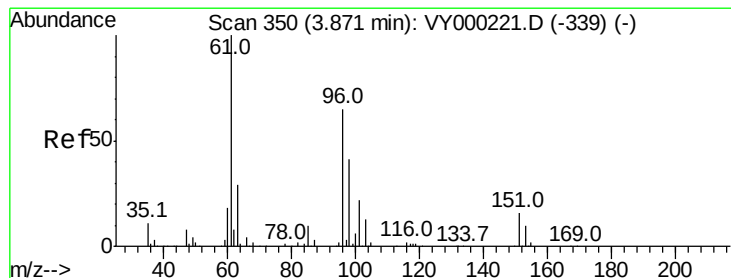
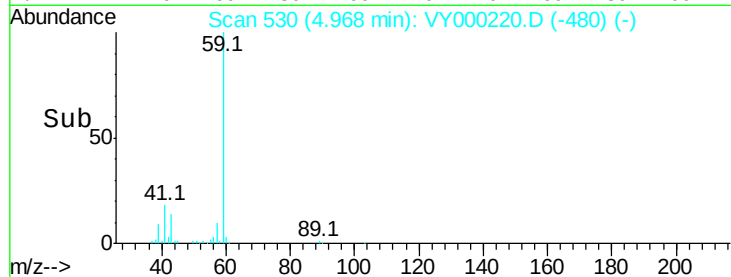
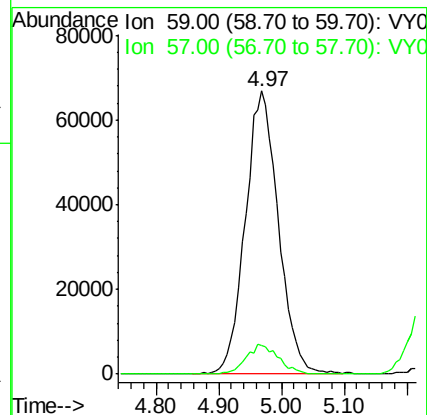
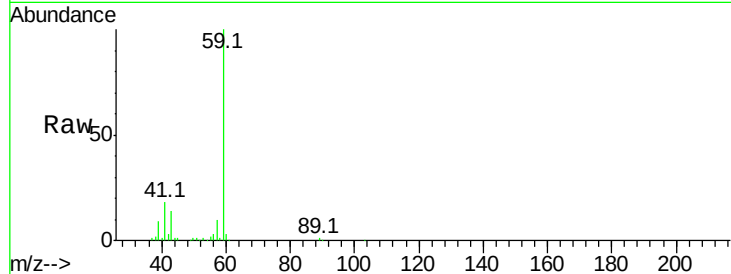


#11

Tert butyl alcohol
 Concen: 157.808 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

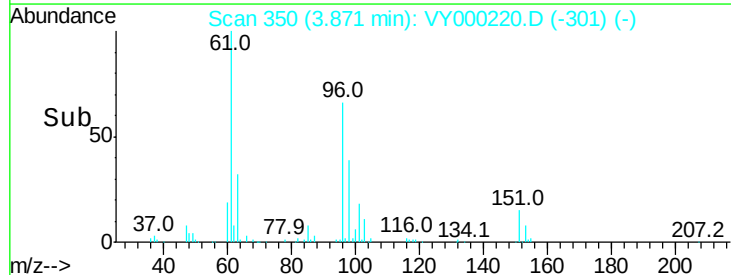
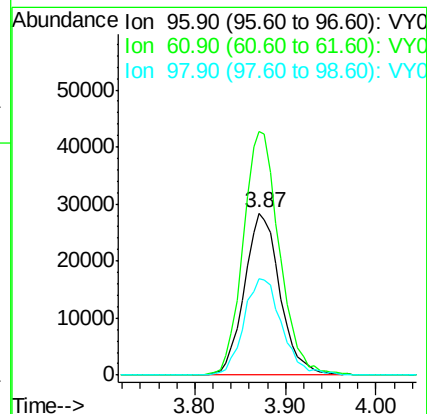
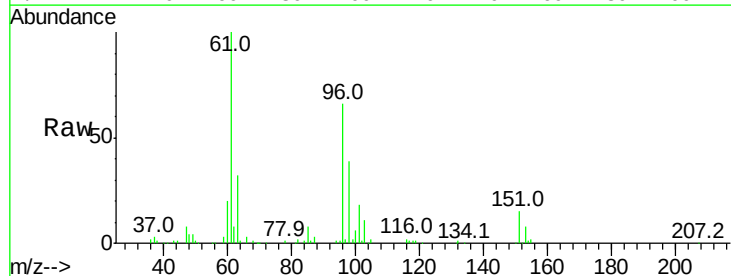
Tgt Ion: 59 Resp: 243698
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.8 11.6

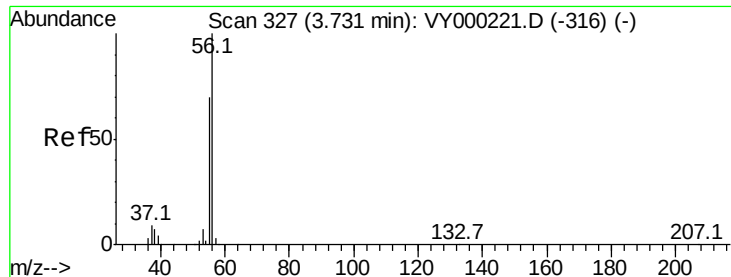


#12

1,1-Dichloroethene
 Concen: 28.141 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Tgt Ion: 96 Resp: 77012
 Ion Ratio Lower Upper
 96 100
 61 150.5 105.1 157.7
 98 59.3 46.9 70.3





#13

Acrolein

Concen: 191.201 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

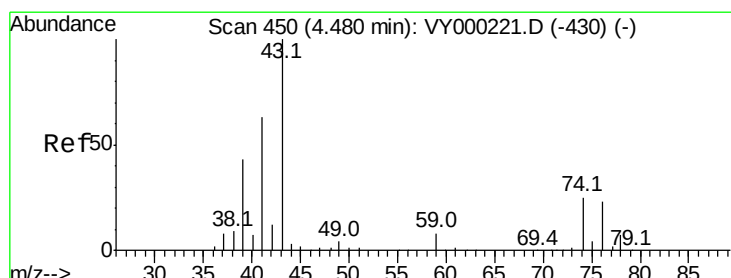
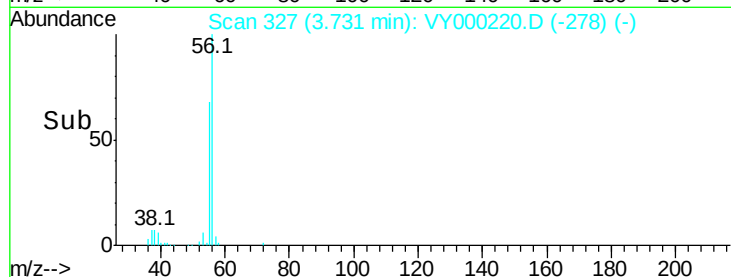
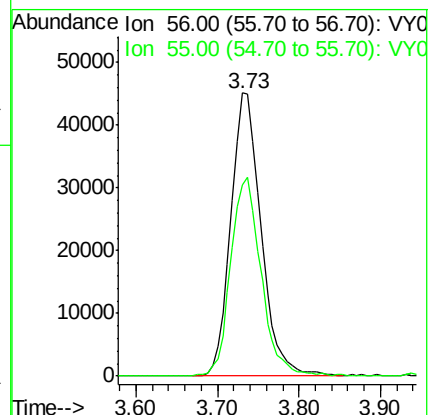
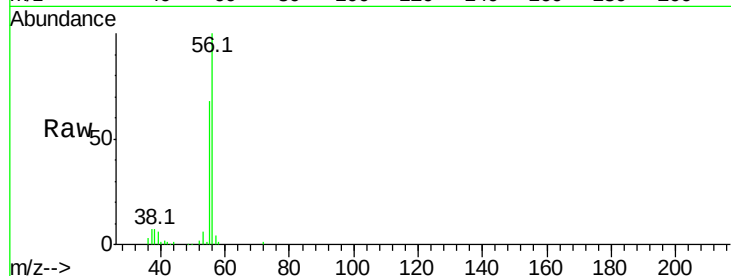
VSTDIC020

Tgt Ion: 56 Resp: 115953

Ion Ratio Lower Upper

56 100

55 70.7 56.3 84.5



#14

Allyl chloride

Concen: 38.724 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

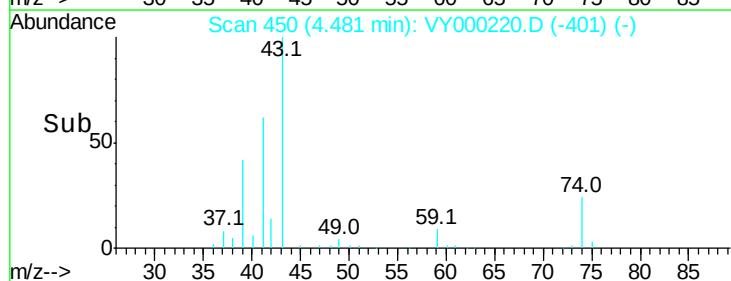
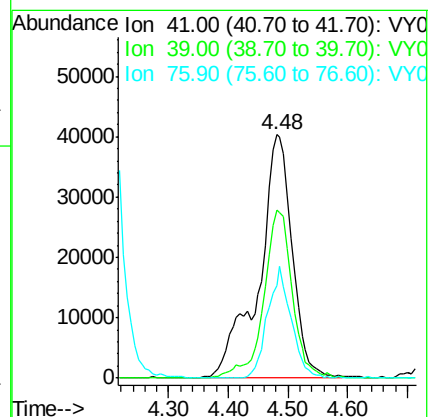
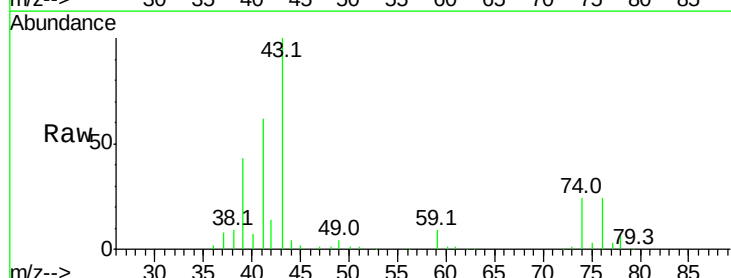
Tgt Ion: 41 Resp: 157903

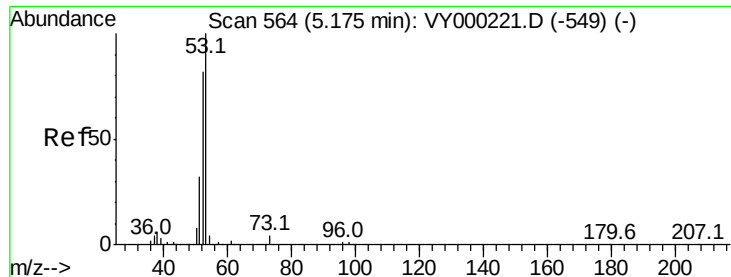
Ion Ratio Lower Upper

41 100

39 58.7 62.2 93.2#

76 32.2 36.5 54.7#





#15

Acrylonitrile

Concen: 170.219 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

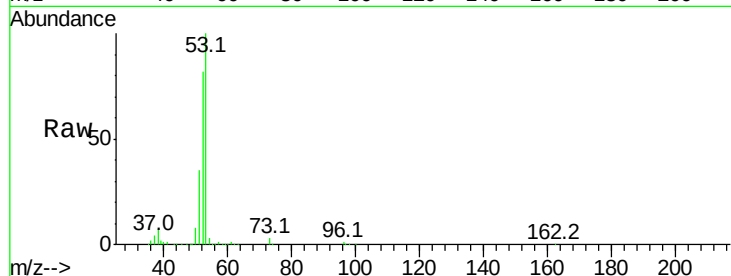
Tgt Ion: 53 Resp: 431519

Ion Ratio Lower Upper

53 100

52 81.9 64.6 97.0

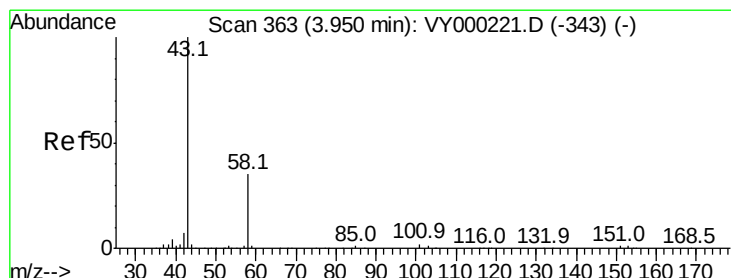
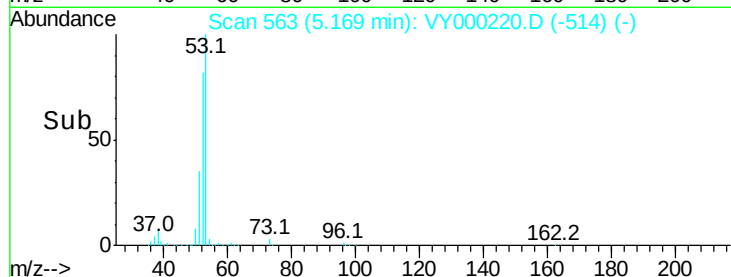
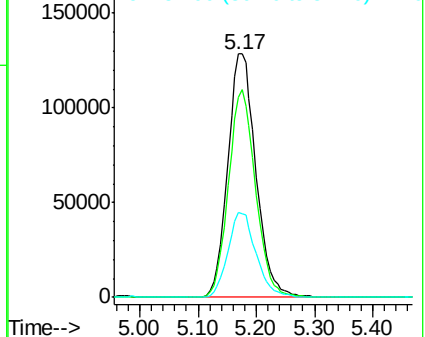
51 35.0 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 172.717 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000220.D

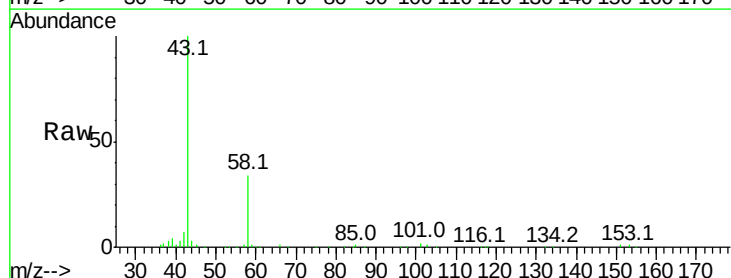
Acq: 08 Oct 2019 13:22

Tgt Ion: 43 Resp: 349628

Ion Ratio Lower Upper

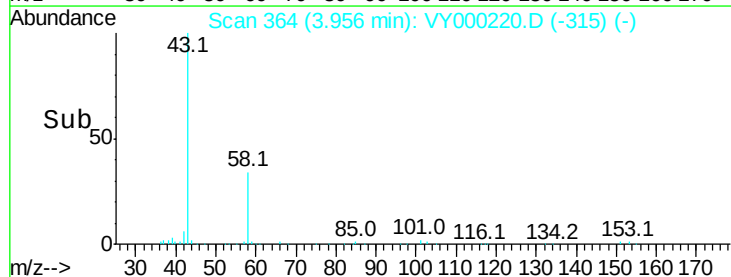
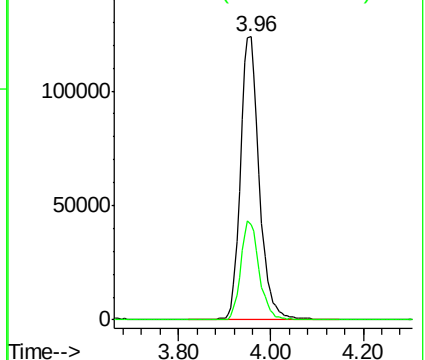
43 100

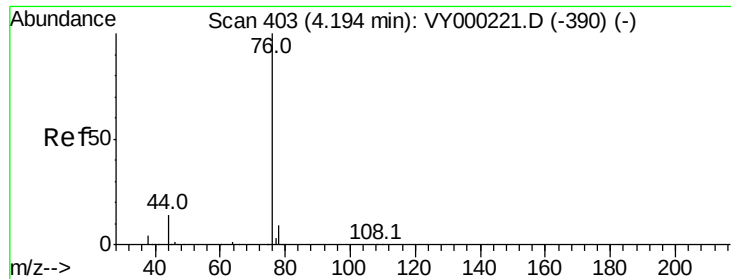
58 33.6 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 29.994 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

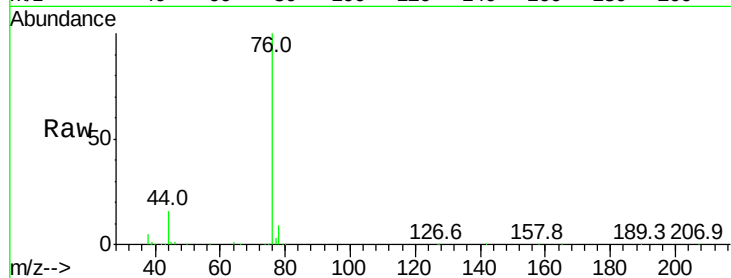
VSTDIC020

Tgt Ion: 76 Resp: 225210

Ion Ratio Lower Upper

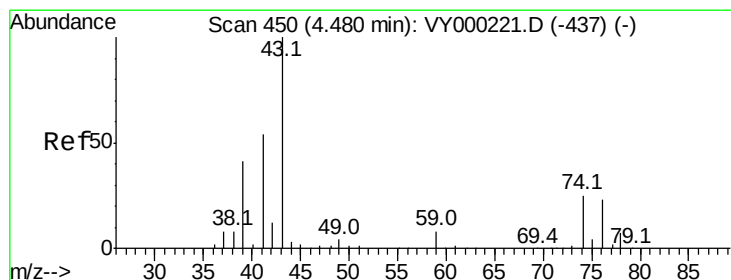
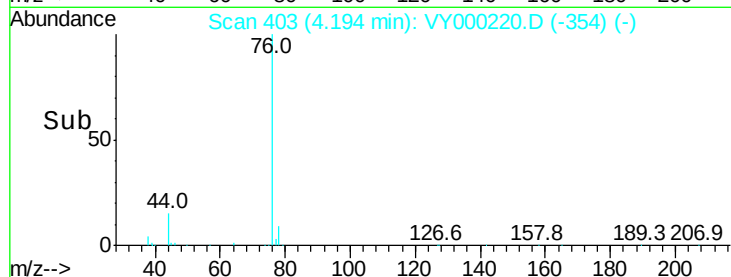
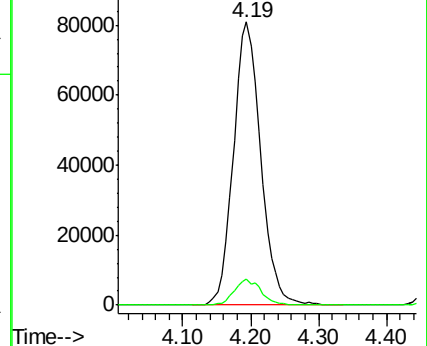
76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 36.052 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000220.D

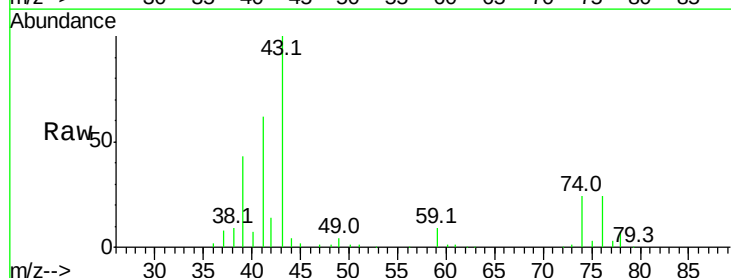
Acq: 08 Oct 2019 13:22

Tgt Ion: 43 Resp: 199514

Ion Ratio Lower Upper

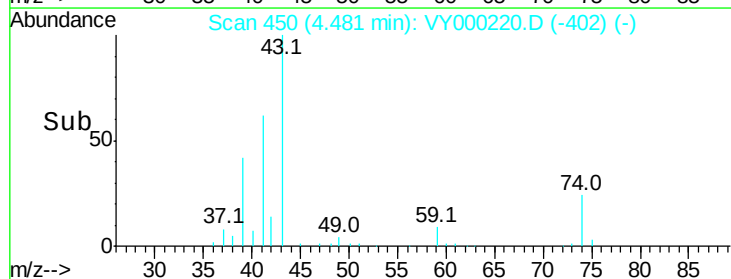
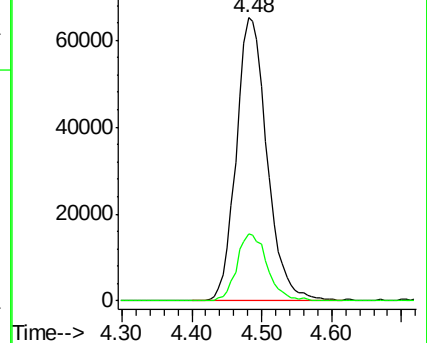
43 100

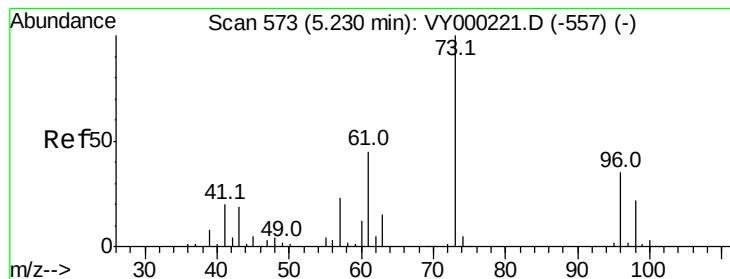
74 23.3 22.7 34.1



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: 32.172 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

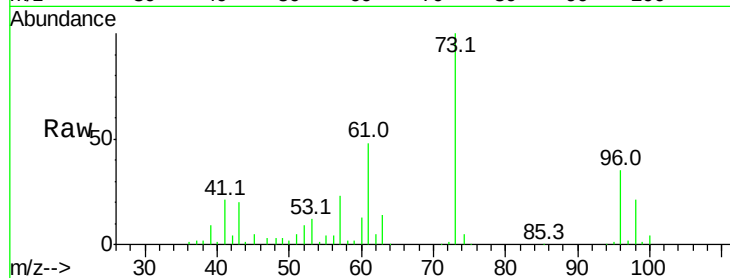
VSTDIC020

Tgt Ion: 73 Resp: 283920

Ion Ratio Lower Upper

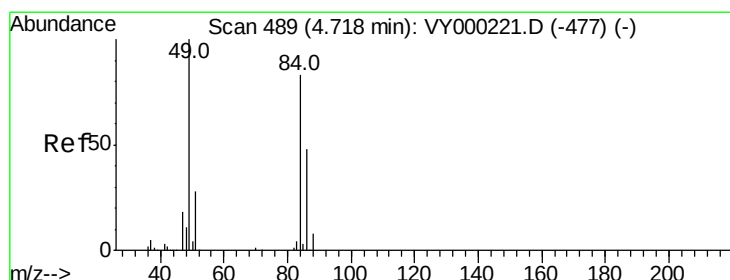
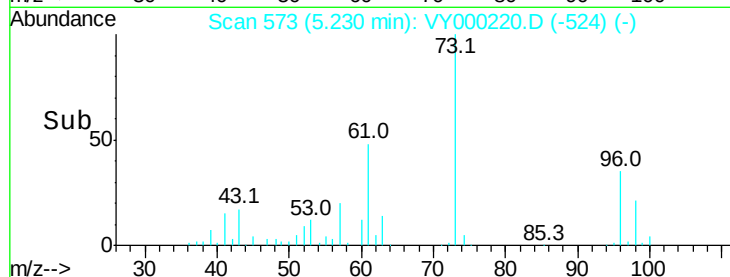
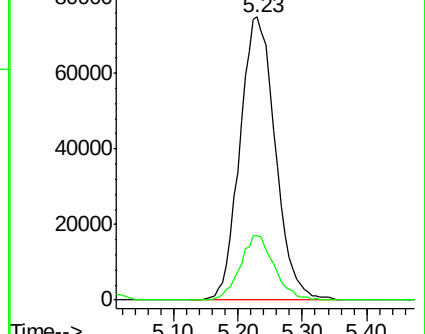
73 100

57 23.0 16.3 24.5



Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#20

Methylene Chloride

Concen: 29.410 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Tgt Ion: 84 Resp: 92278

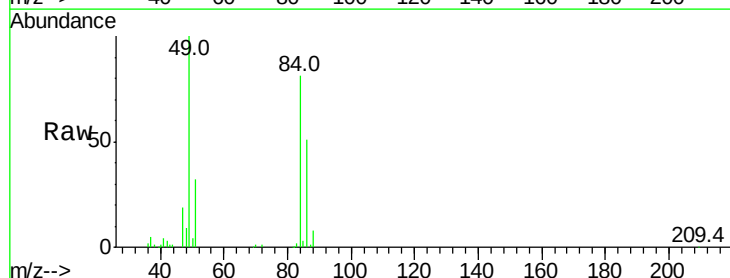
Ion Ratio Lower Upper

84 100

49 122.9 86.2 129.2

51 39.1 25.3 37.9#

86 62.7 52.0 78.0

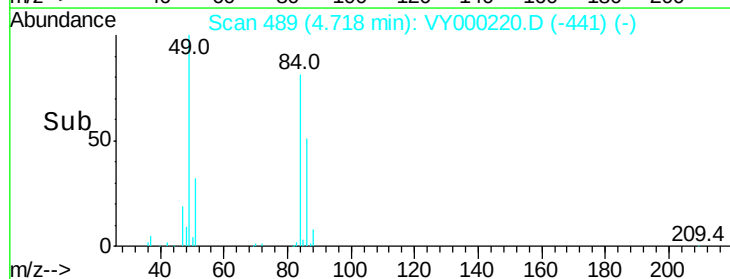
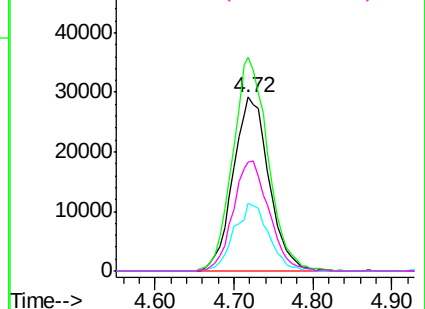


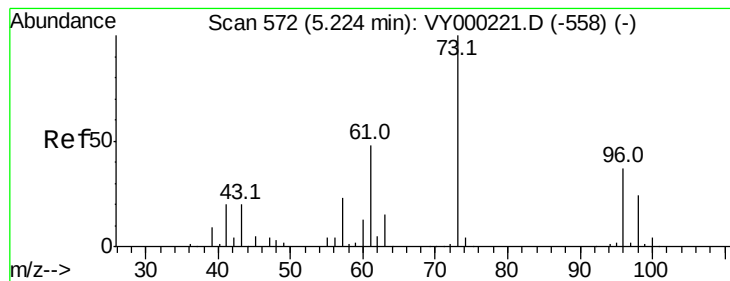
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#21

trans-1,2-Dichloroethene

Concen: 29.931 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

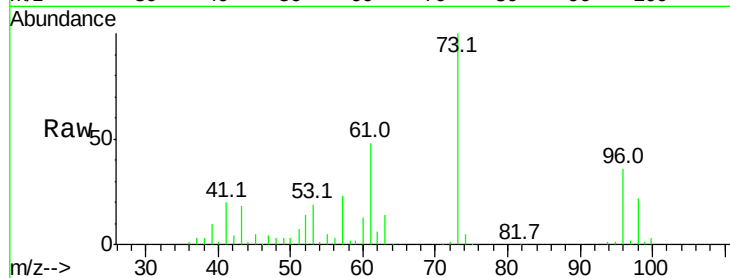
Tgt Ion: 96 Resp: 85168

Ion Ratio Lower Upper

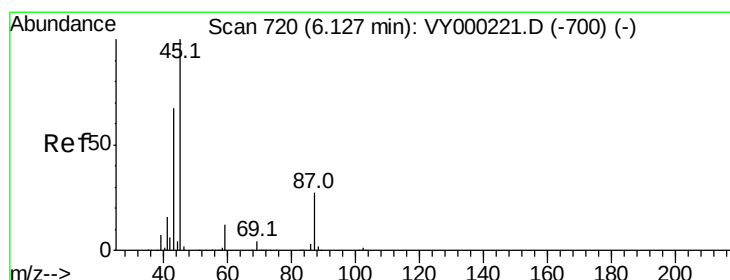
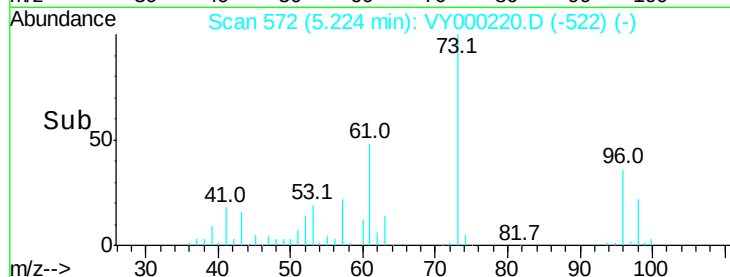
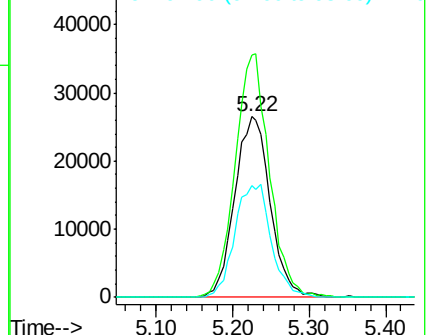
96 100

61 134.2 96.1 144.1

98 61.8 50.3 75.5



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: 36.963 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Tgt Ion: 45 Resp: 299879

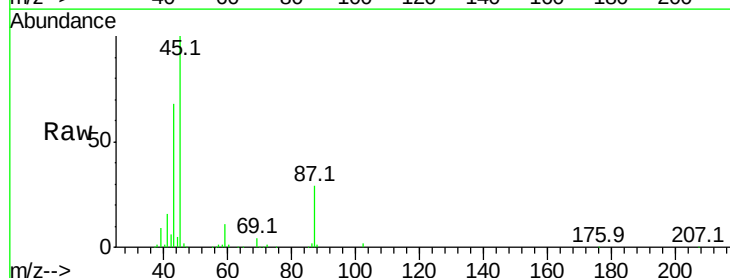
Ion Ratio Lower Upper

45 100

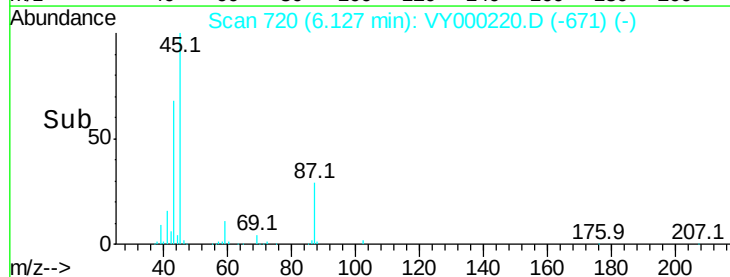
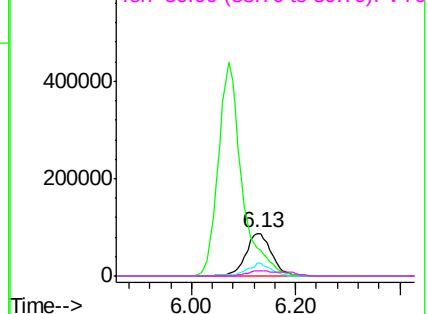
43 67.8 51.5 77.3

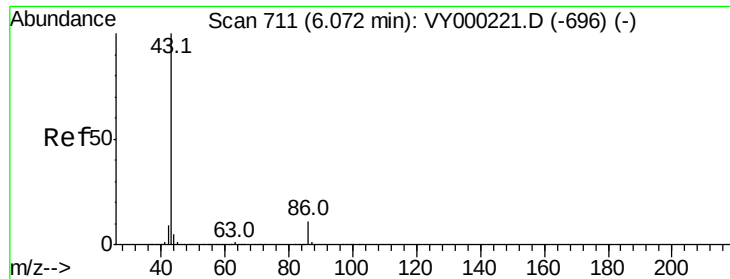
87 29.3 27.0 40.4

59 10.8 9.4 14.2



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





#23

Vinyl Acetate

Concen: 184.209 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

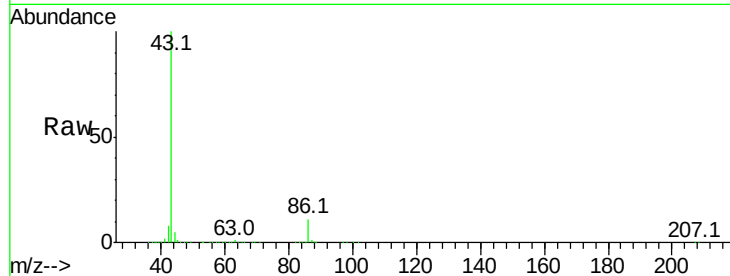
VSTDIC020

Tgt Ion: 43 Resp: 1392340

Ion Ratio Lower Upper

43 100

86 10.9 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

500000

400000

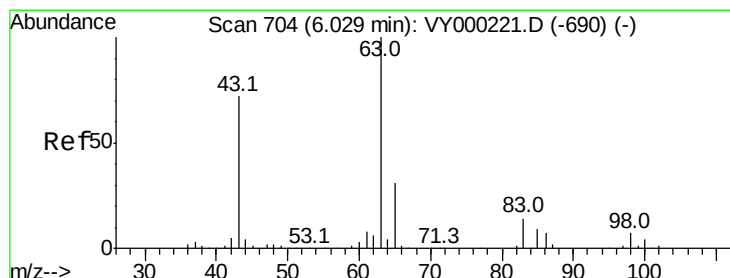
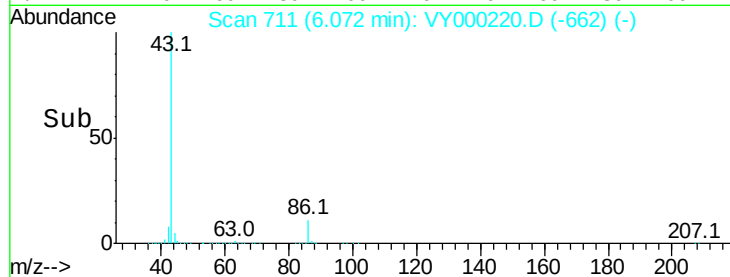
300000

200000

100000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 33.370 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

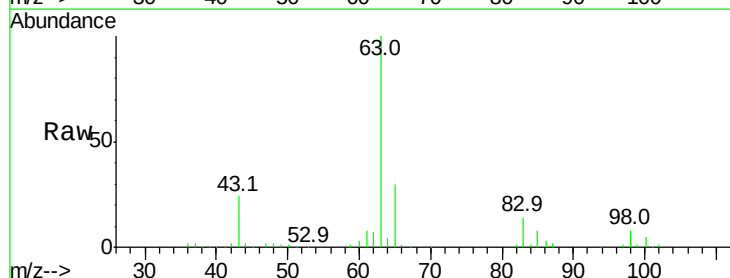
Tgt Ion: 63 Resp: 154053

Ion Ratio Lower Upper

63 100

98 7.7 4.8 14.4

100 5.1 2.9 8.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.02

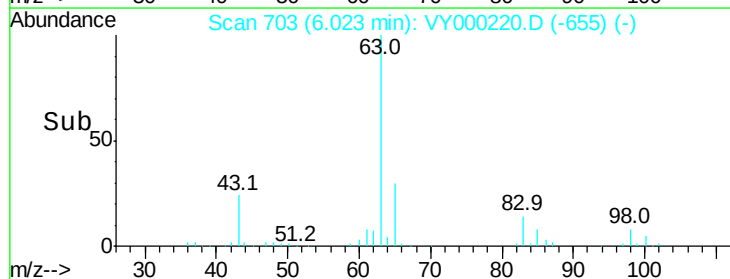
60000

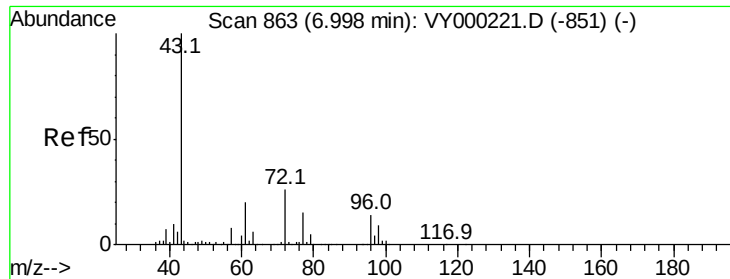
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 182.337 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

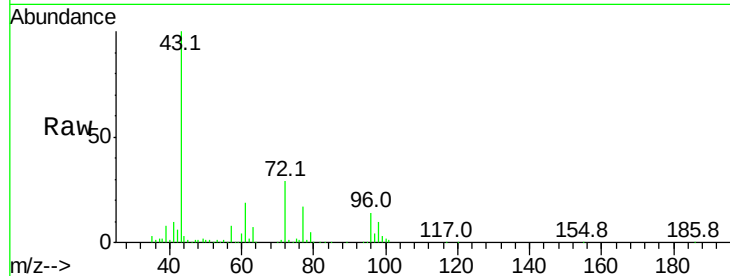
VSTDIC020

Tgt Ion: 43 Resp: 664822

Ion Ratio Lower Upper

43 100

72 28.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

250000

200000

150000

100000

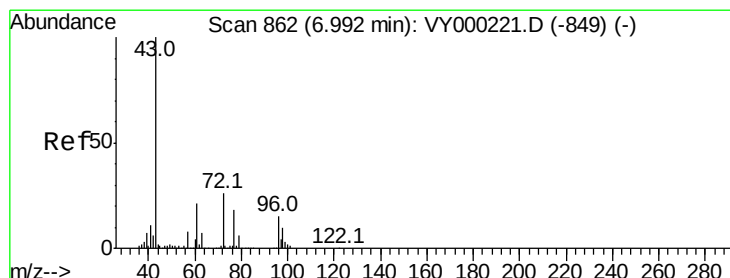
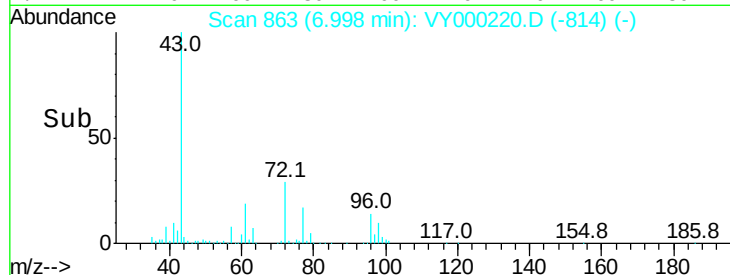
50000

0

7.00

6.90 6.95 7.00 7.05

Time-->



#26

2,2-Dichloropropane

Concen: 29.844 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000220.D

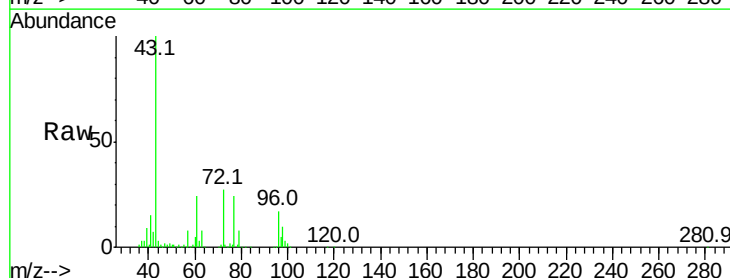
Acq: 08 Oct 2019 13:22

Tgt Ion: 77 Resp: 135939

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

50000

40000

30000

20000

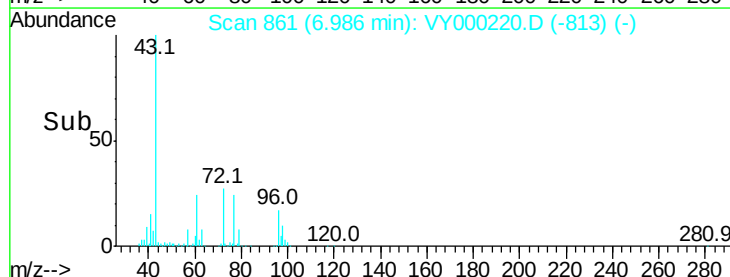
10000

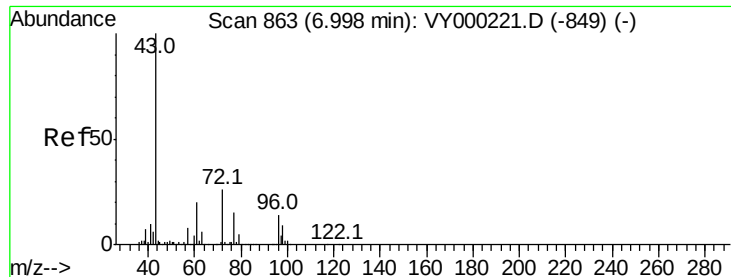
0

6.99

6.90 7.00 7.10

Time-->



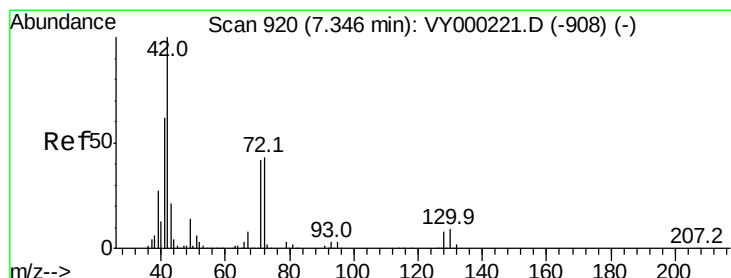
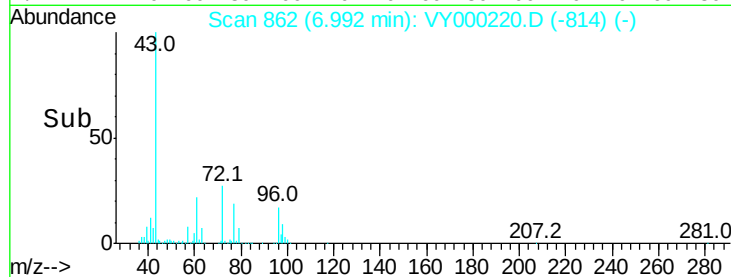
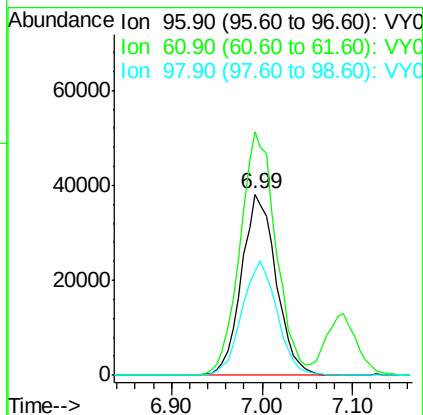
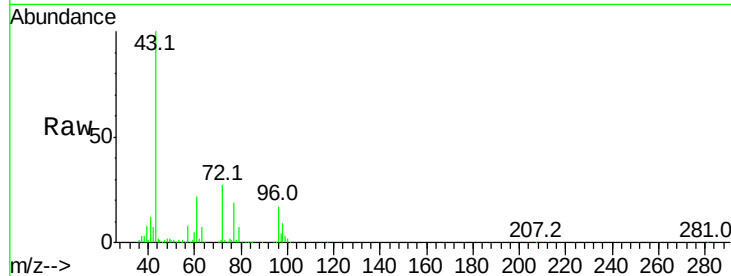


#27

cis-1,2-Dichloroethene
 Concen: 29.710 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

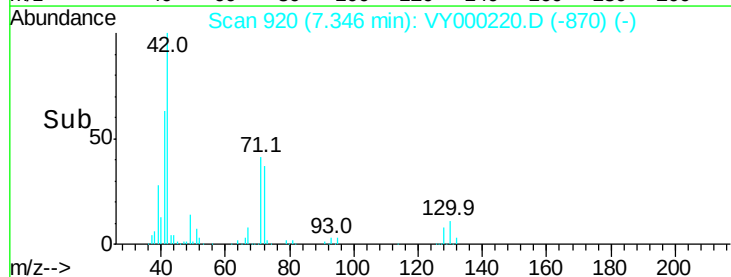
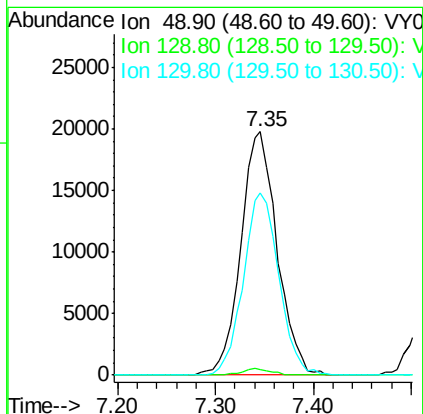
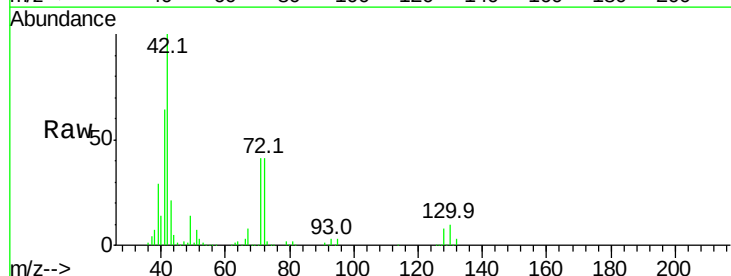
Tgt Ion: 96 Resp: 100744
 Ion Ratio Lower Upper
 96 100
 61 139.8 0.0 244.4
 98 63.8 0.0 129.6

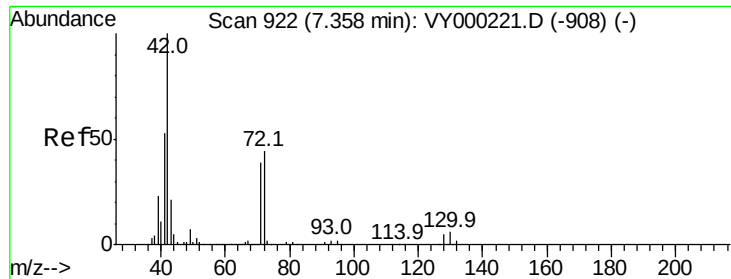


#28

Bromochloromethane
 Concen: 38.640 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Tgt Ion: 49 Resp: 50902
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 2.2
 130 73.4 70.5 105.7





#29

Tetrahydrofuran

Concen: 186.827 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

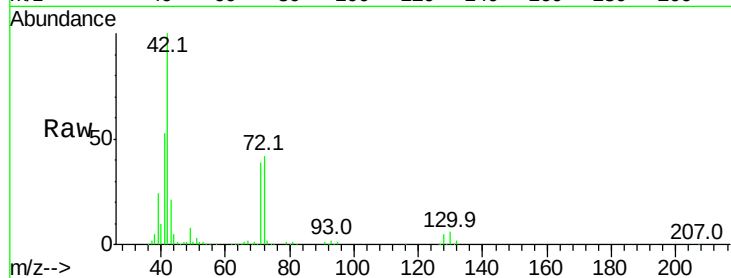
Tgt Ion: 42 Resp: 472142

Ion Ratio Lower Upper

42 100

72 43.6 40.4 60.6

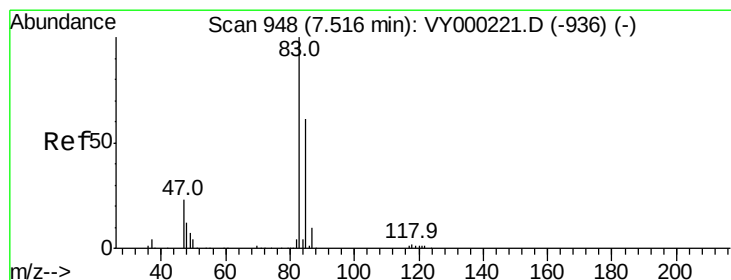
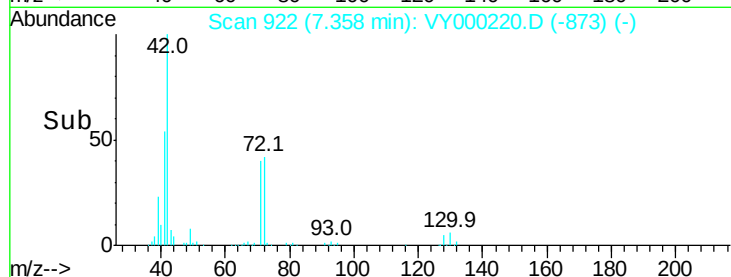
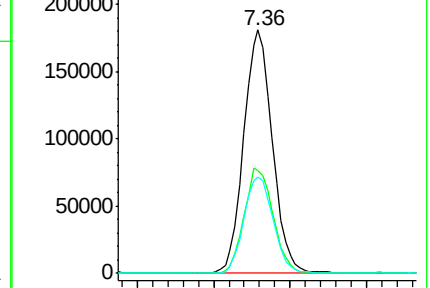
71 40.5 36.6 55.0



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 30.419 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.00 min

Lab File: VY000220.D

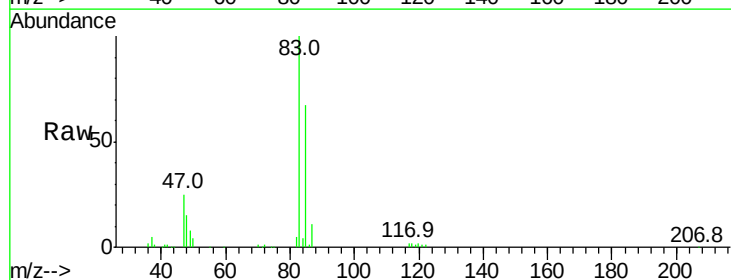
Acq: 08 Oct 2019 13:22

Tgt Ion: 83 Resp: 158390

Ion Ratio Lower Upper

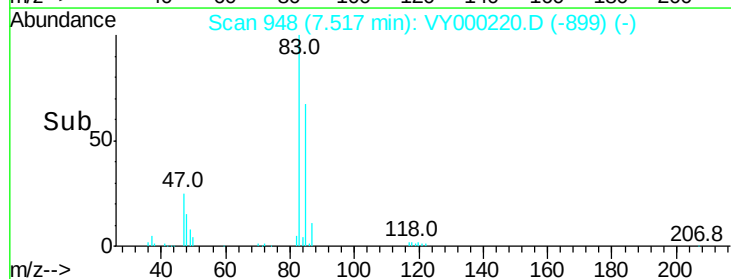
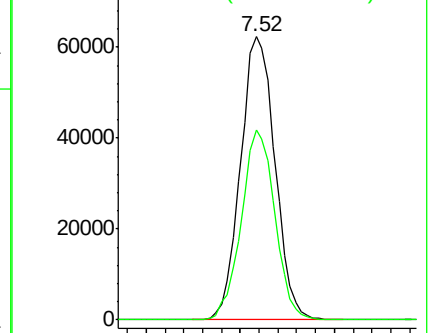
83 100

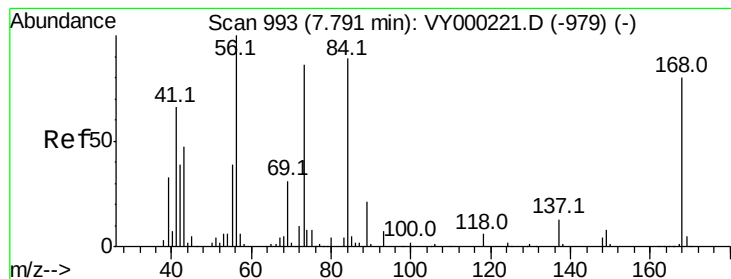
85 67.0 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 26.955 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

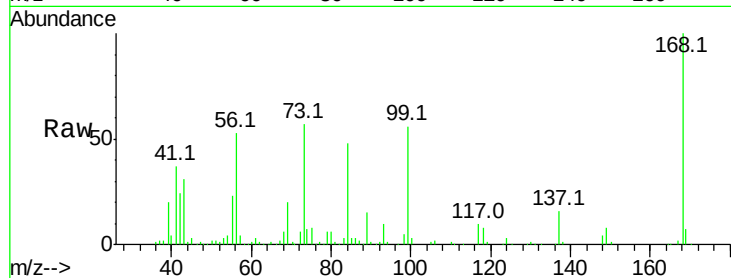
Tgt Ion: 56 Resp: 146396

Ion Ratio Lower Upper

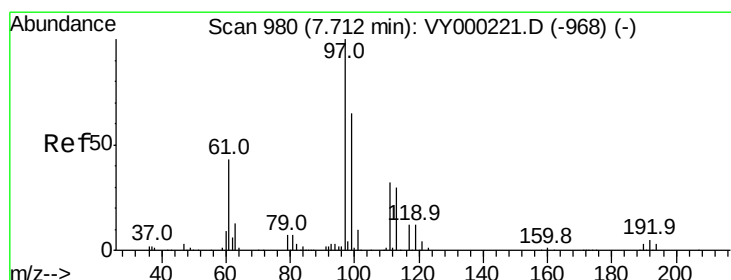
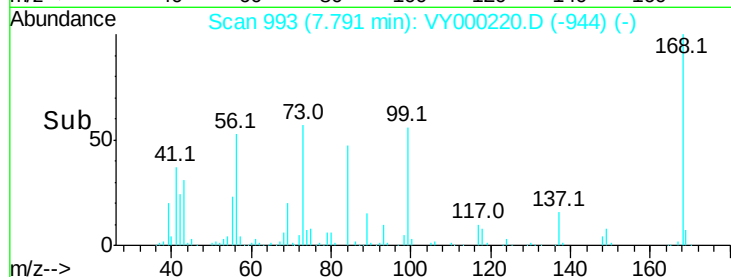
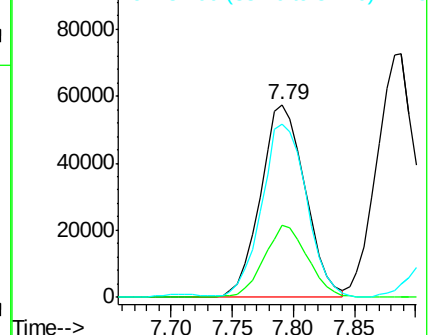
56 100

69 37.1 29.5 44.3

84 88.7 73.4 110.0



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



#32

1,1,1-Trichloroethane

Concen: 29.877 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

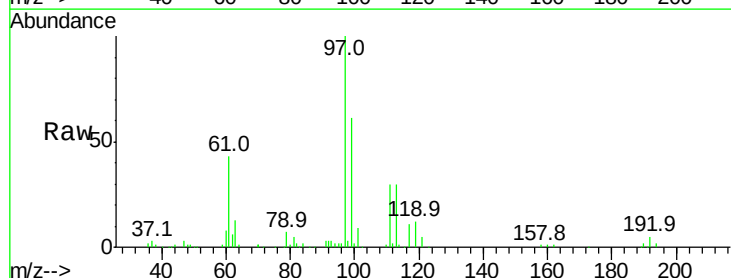
Tgt Ion: 97 Resp: 136558

Ion Ratio Lower Upper

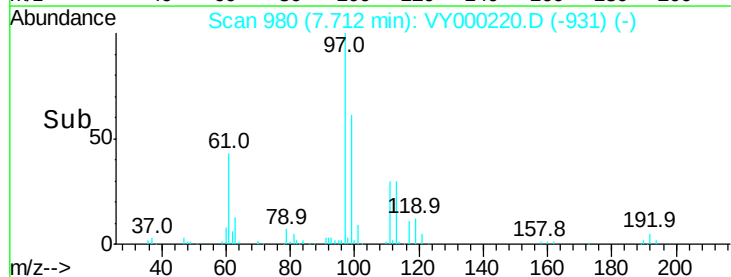
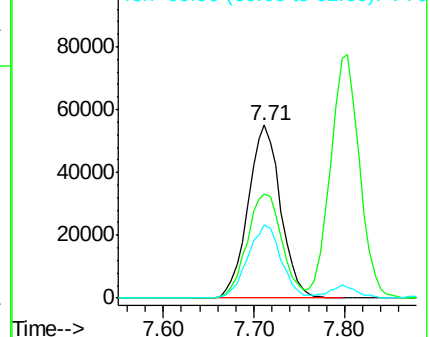
97 100

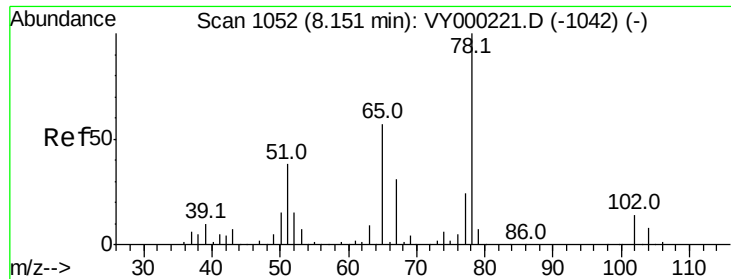
99 64.4 52.2 78.2

61 43.6 32.5 48.7



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

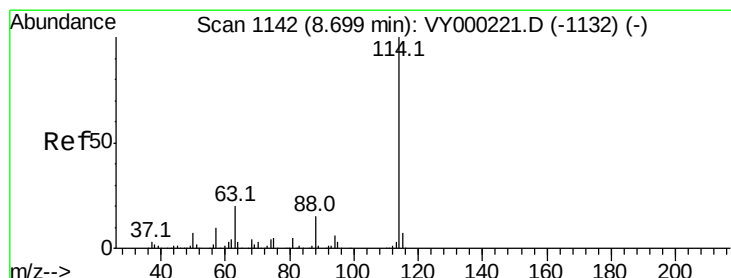
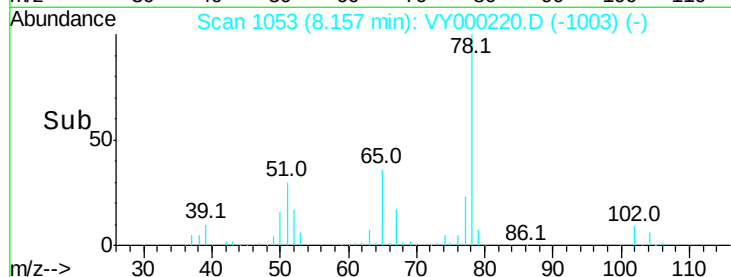
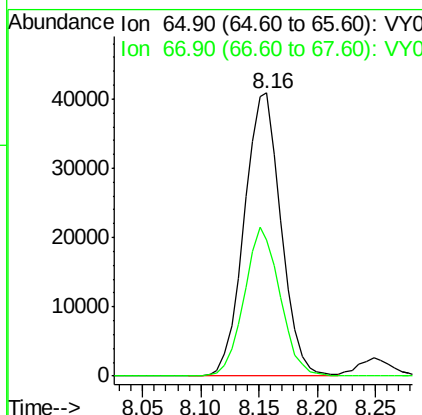
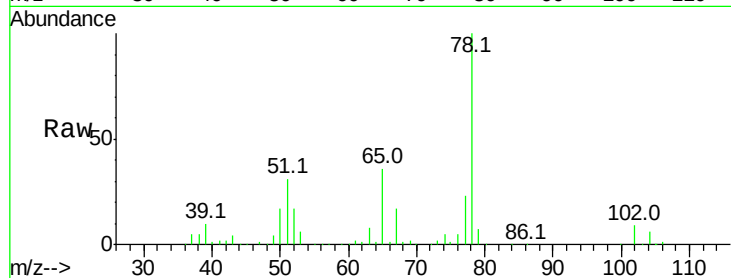




#33
 1,2-Dichloroethane-d4
 Concen: 29.288 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

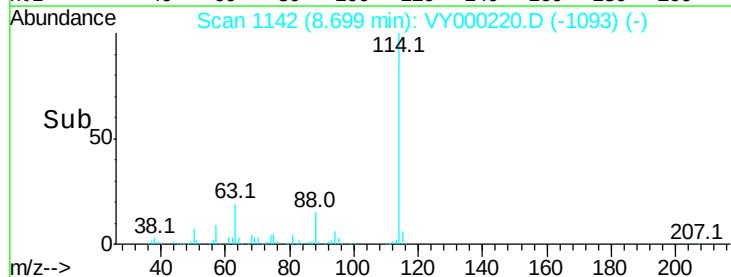
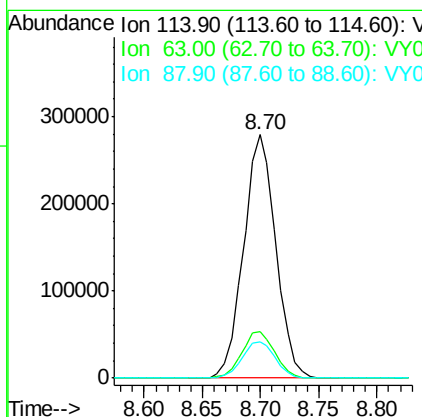
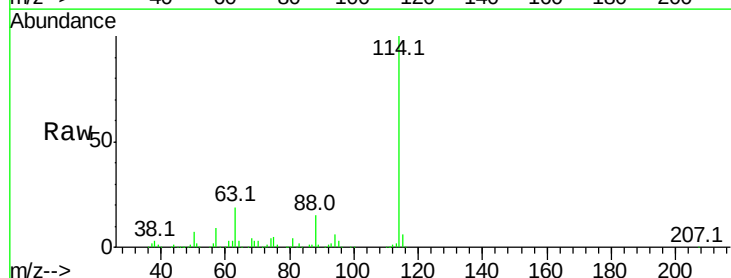
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

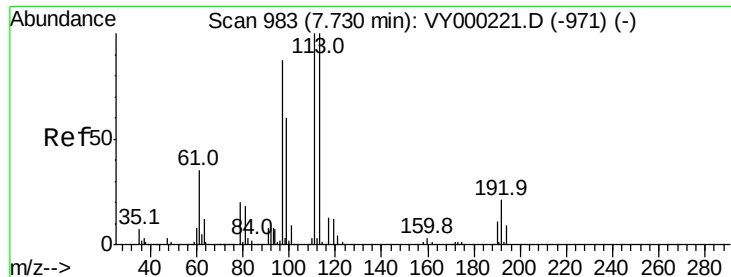
Tgt Ion: 65 Resp: 89879
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Tgt Ion: 114 Resp: 537879
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 33.4
 88 15.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 23.181 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

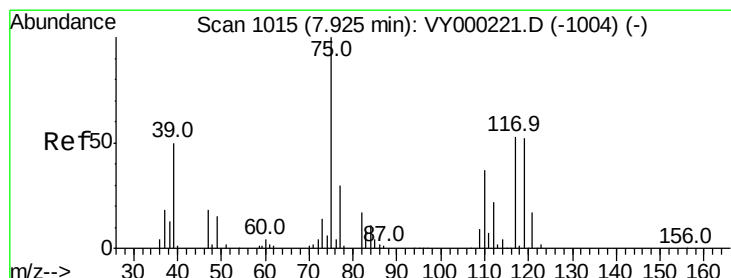
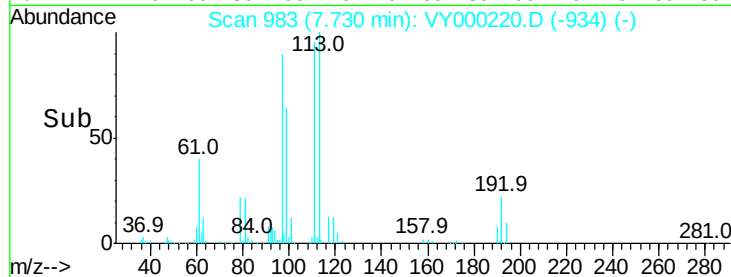
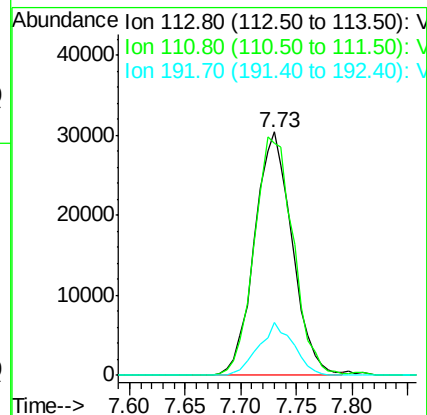
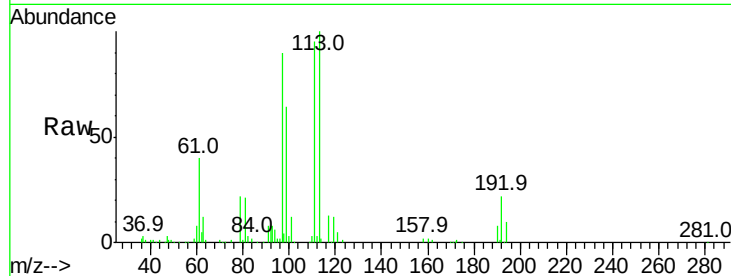
Tgt Ion:113 Resp: 71600

Ion Ratio Lower Upper

113 100

111 101.5 84.0 126.0

192 20.2 18.6 27.8



#36

1,1-Dichloropropene

Concen: 26.960 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

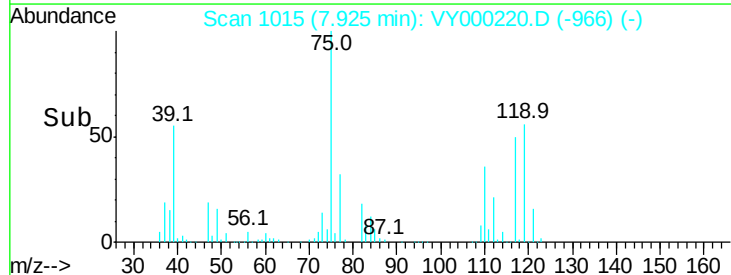
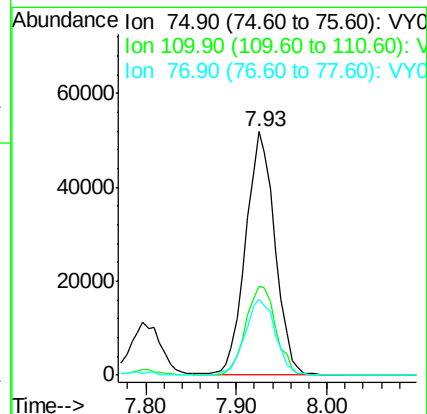
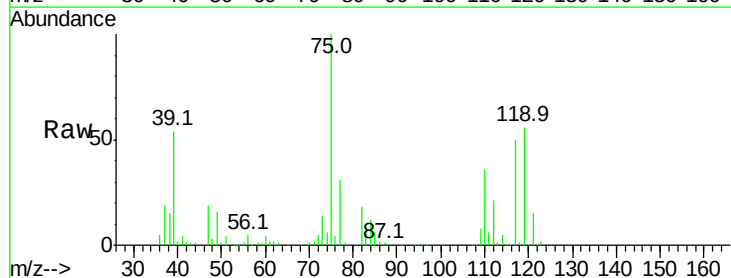
Tgt Ion: 75 Resp: 116308

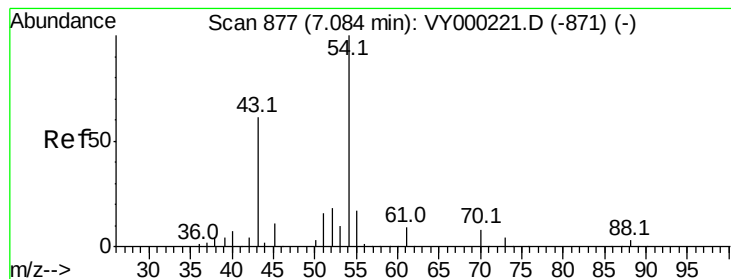
Ion Ratio Lower Upper

75 100

110 37.5 20.2 60.5

77 32.3 25.5 38.3





#37

Ethyl Acetate

Concen: 32.030 ug/l

RT: 7.08 min Scan# 877

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

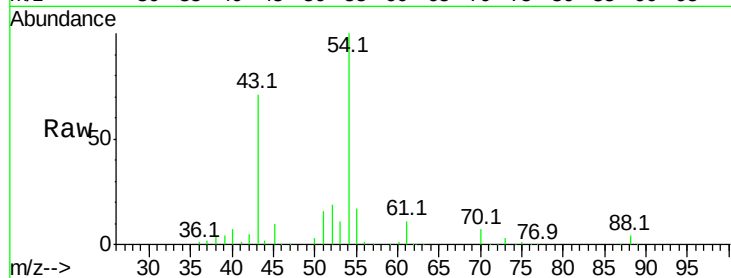
Tgt Ion: 43 Resp: 216631

Ion Ratio Lower Upper

43 100

61 14.7 11.6 17.4

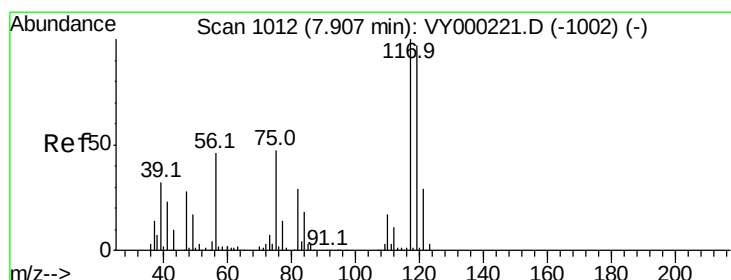
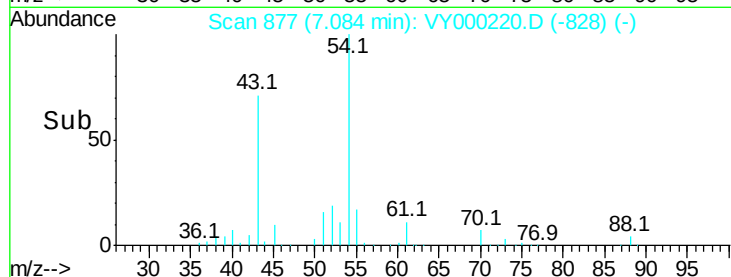
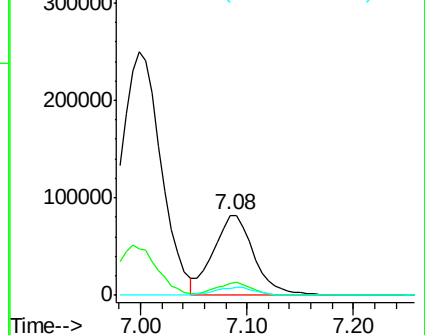
70 10.2 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0



#38

Carbon Tetrachloride

Concen: 25.692 ug/l

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

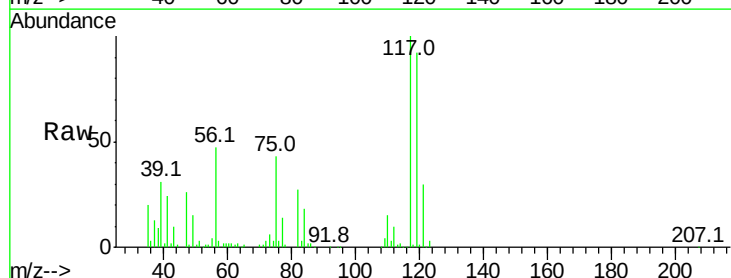
Tgt Ion: 117 Resp: 119224

Ion Ratio Lower Upper

117 100

119 92.3 74.7 112.1

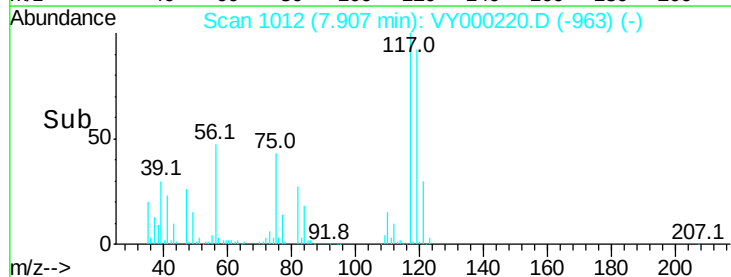
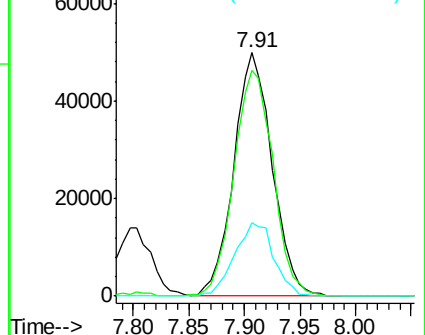
121 30.4 25.1 37.7

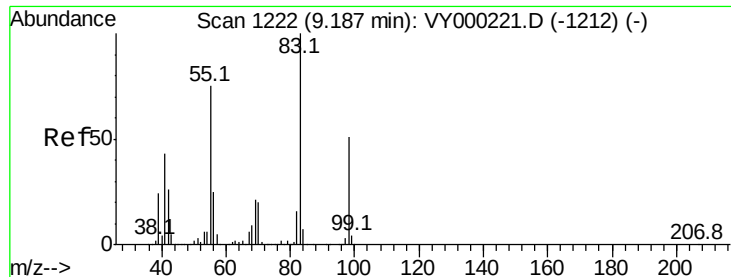


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

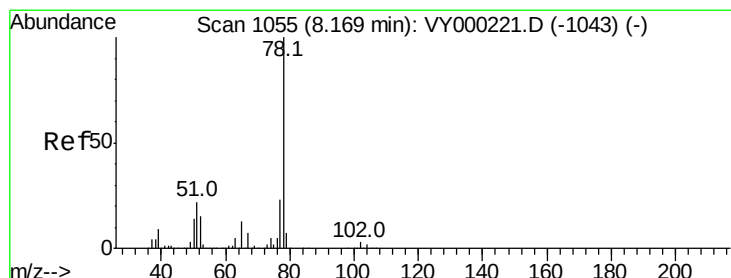
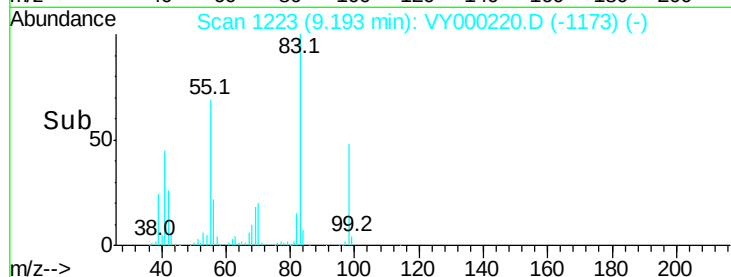
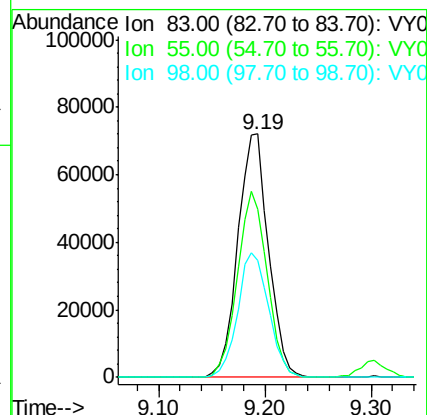
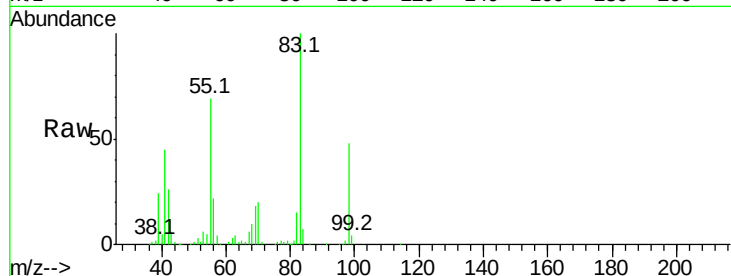




#39
Methylcyclohexane
Concen: 25.425 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

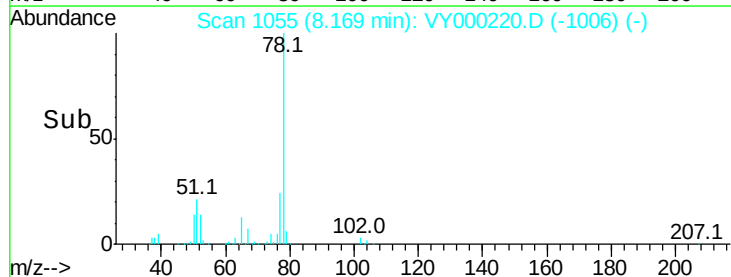
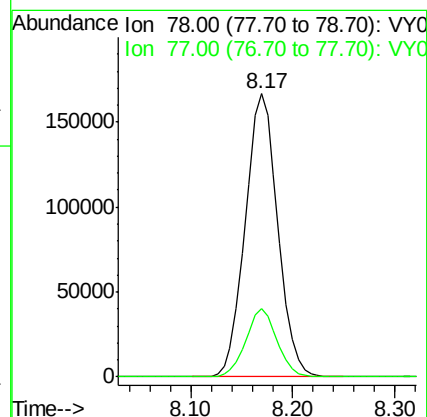
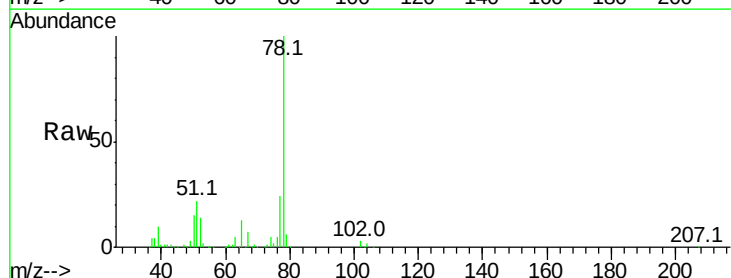
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

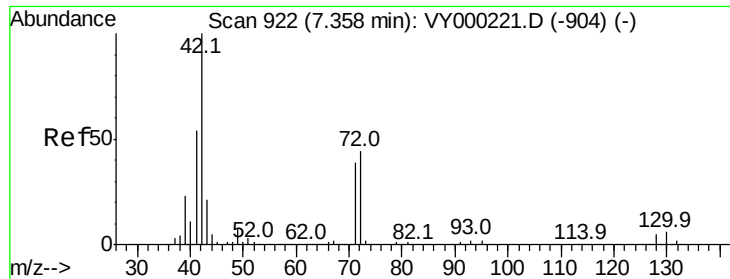
Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.2	53.3	79.9
98	48.1	43.8	65.8



#40
Benzene
Concen: 28.478 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	17.9	26.9

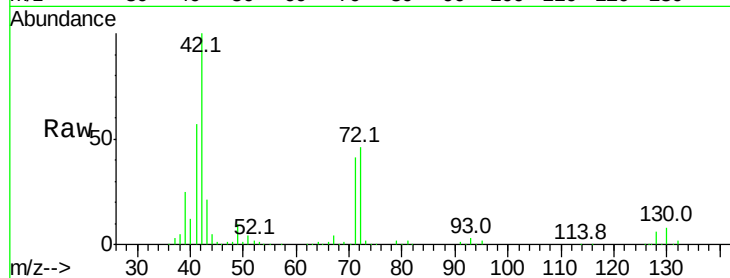




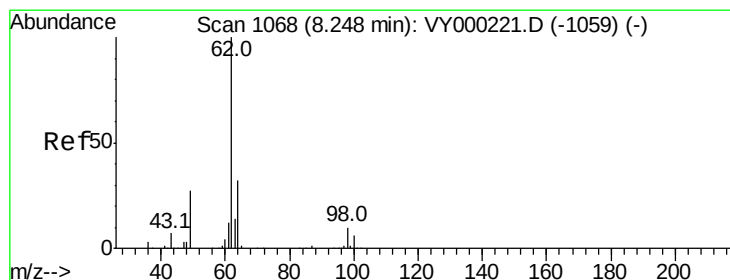
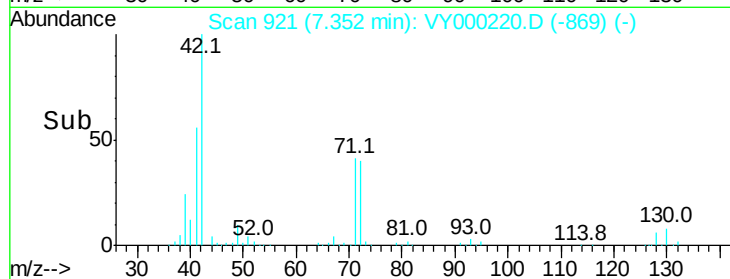
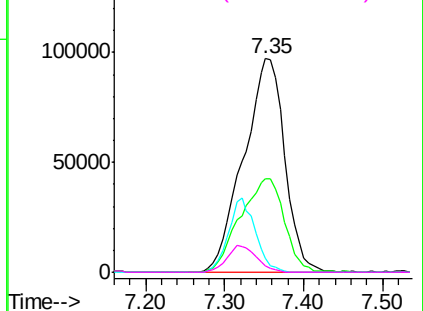
#41
Methacrylonitrile
Concen: 41.737 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.02 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 352366
Ion Ratio Lower Upper
41 100
39 47.0 122.2 183.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

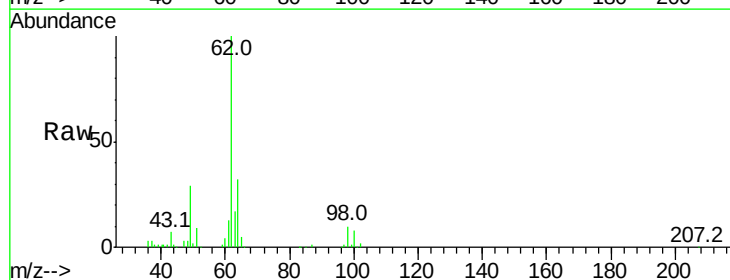


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

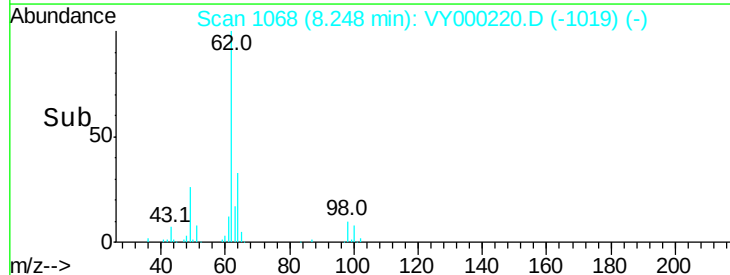
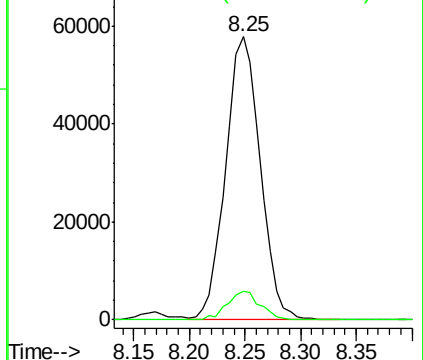


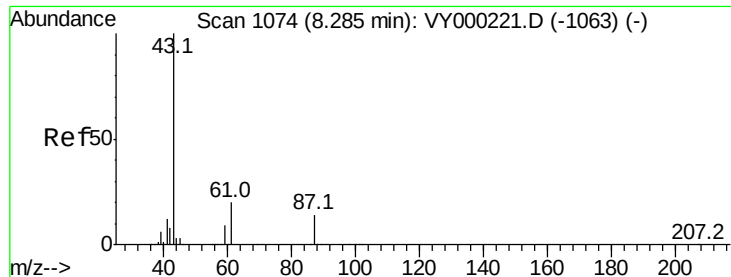
#42
1,2-Dichloroethane
Concen: 29.677 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

Tgt Ion: 62 Resp: 124566
Ion Ratio Lower Upper
62 100
98 9.7 0.0 23.0



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

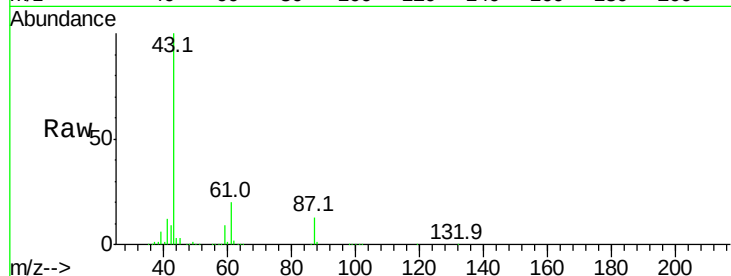




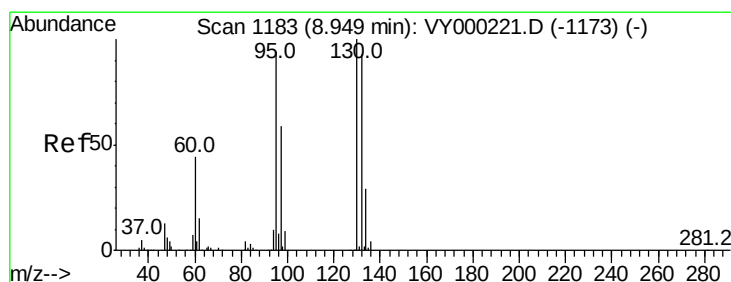
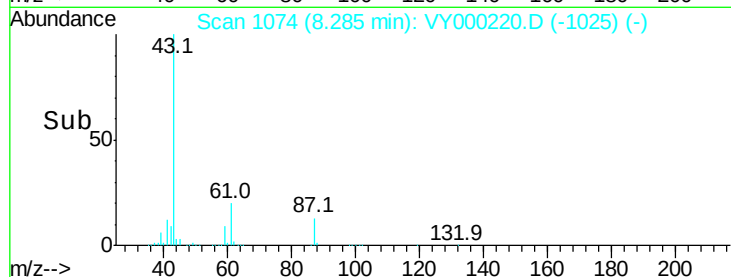
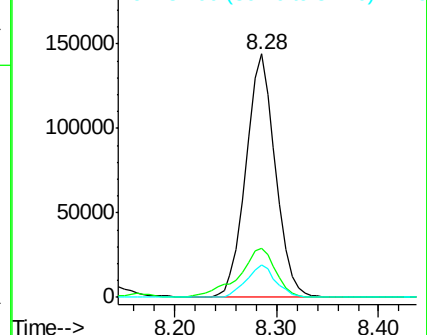
#43
Isopropyl Acetate
Concen: 32.825 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 287626
Ion Ratio Lower Upper
43 100
61 25.3 21.2 31.8
87 13.3 12.4 18.6

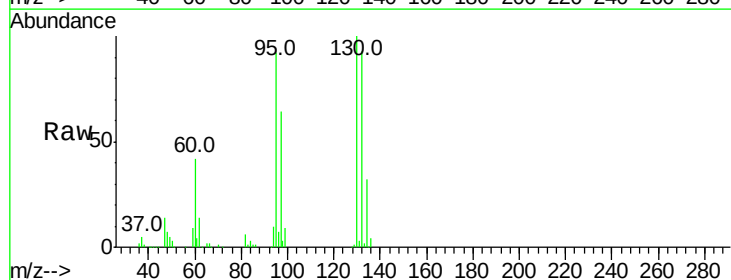


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

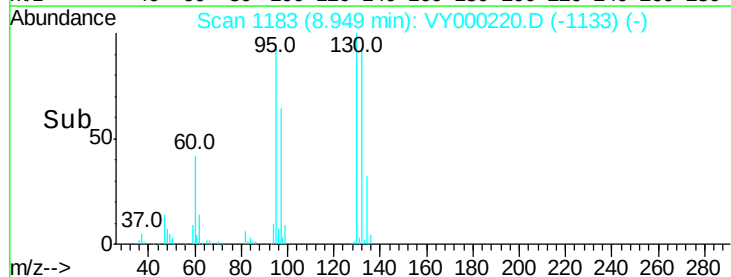
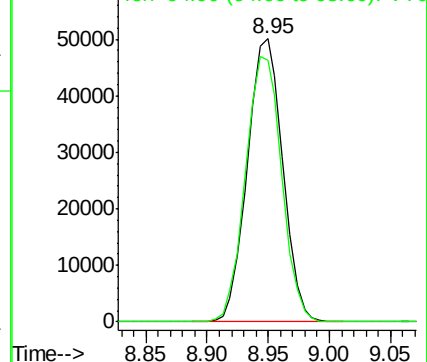


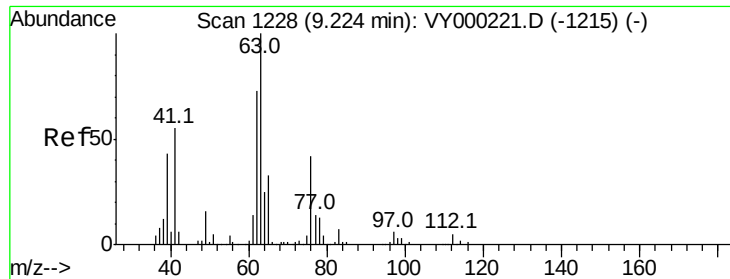
#44
Trichloroethene
Concen: 24.252 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

Tgt Ion: 130 Resp: 100614
Ion Ratio Lower Upper
130 100
95 92.4 0.0 183.0



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

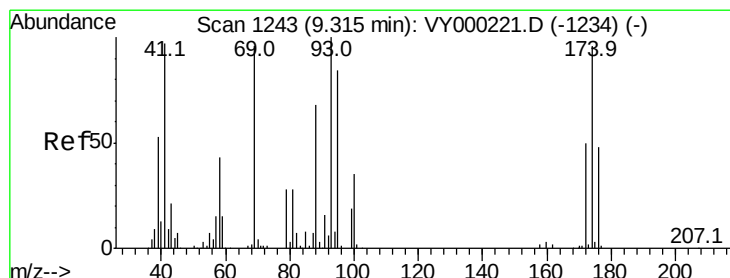
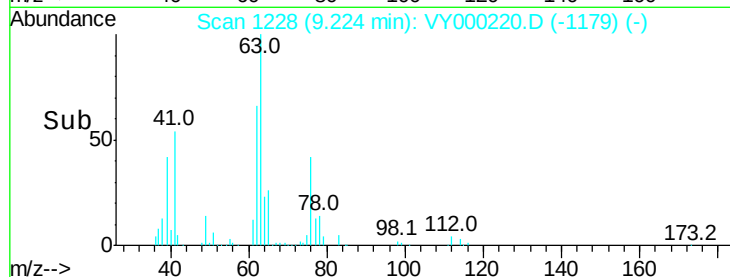
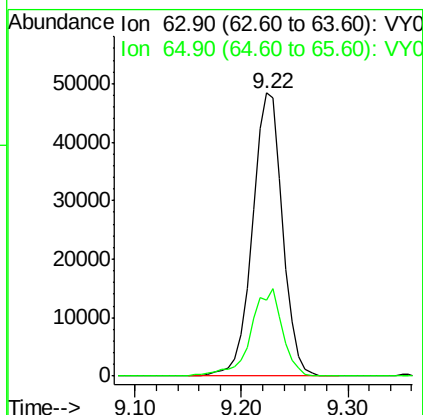
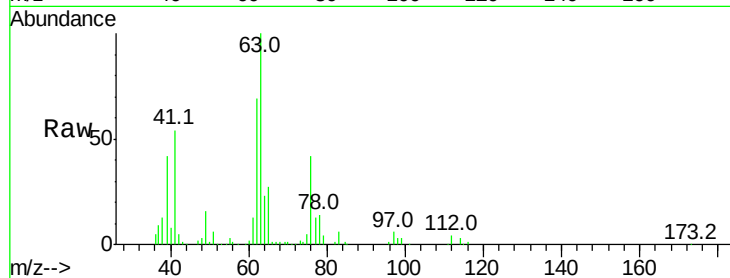




#45
 1,2-Dichloropropane
 Concen: 30.385 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

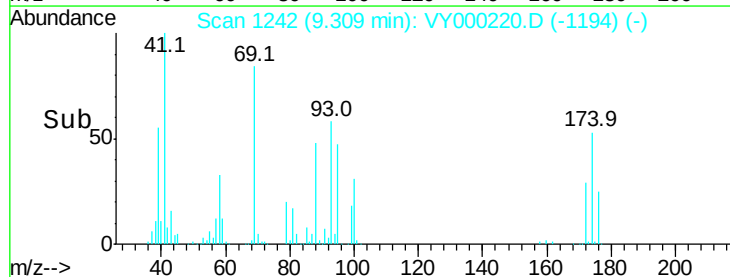
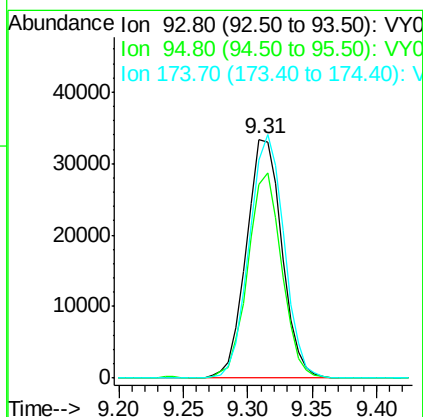
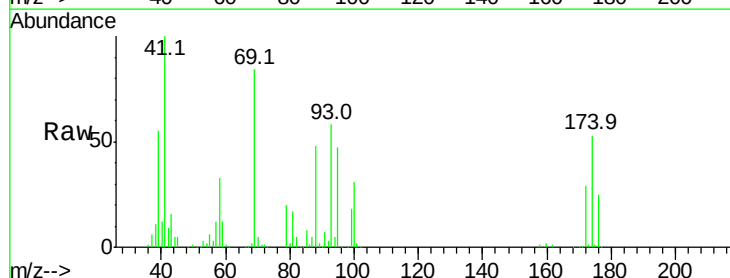
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC020

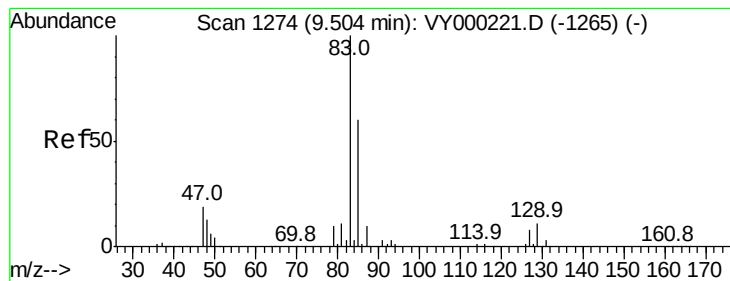
Tgt Ion: 63 Resp: 95685
 Ion Ratio Lower Upper
 63 100
 65 26.8 24.2 36.2



#46
 Dibromomethane
 Concen: 27.232 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Tgt Ion: 93 Resp: 63748
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.8 98.6
 174 99.5 93.4 140.0





#47

Bromodichloromethane

Concen: 28.939 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

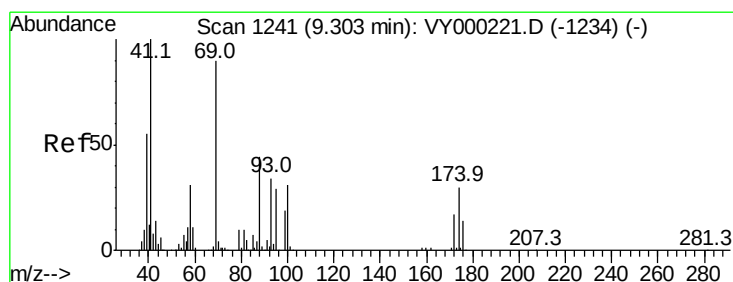
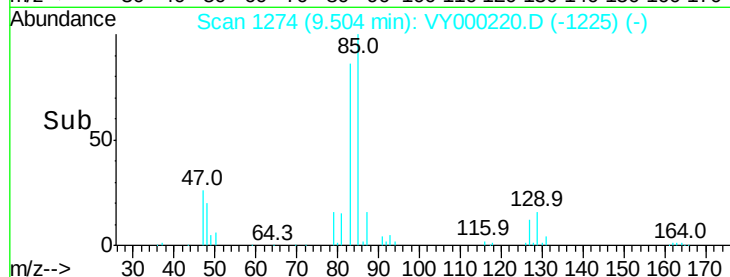
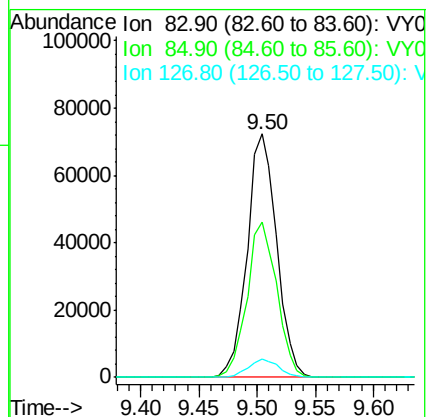
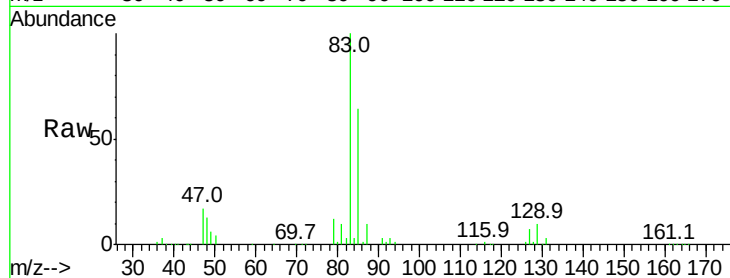
Tgt Ion: 83 Resp: 128541

Ion Ratio Lower Upper

83 100

85 63.9 51.0 76.4

127 7.4 6.6 9.8



#48

Methyl methacrylate

Concen: 34.298 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

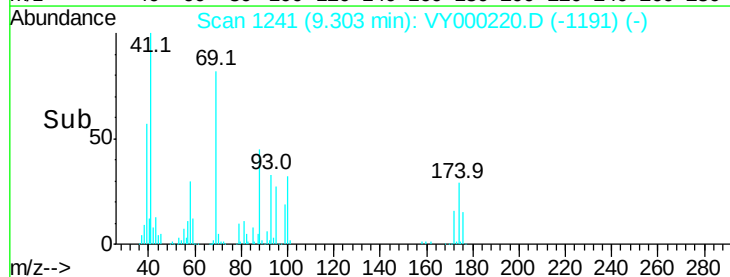
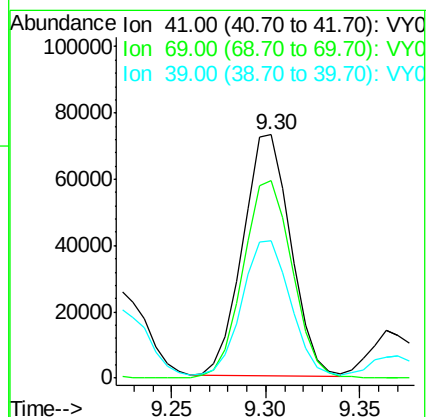
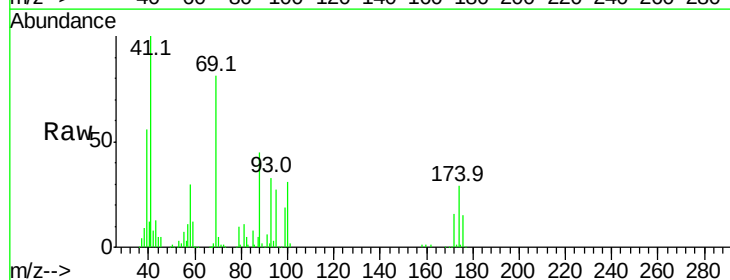
Tgt Ion: 41 Resp: 129121

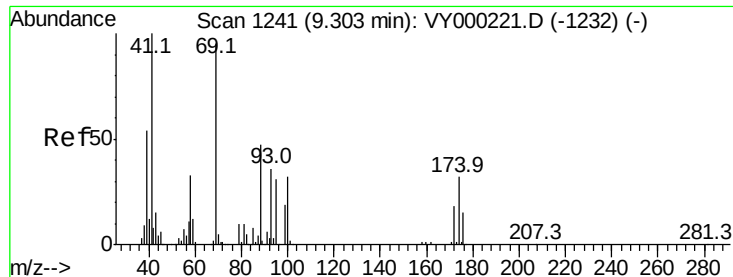
Ion Ratio Lower Upper

41 100

69 83.5 77.6 116.4

39 58.7 48.7 73.1





#49

1,4-Dioxane

Concen: 567.972 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

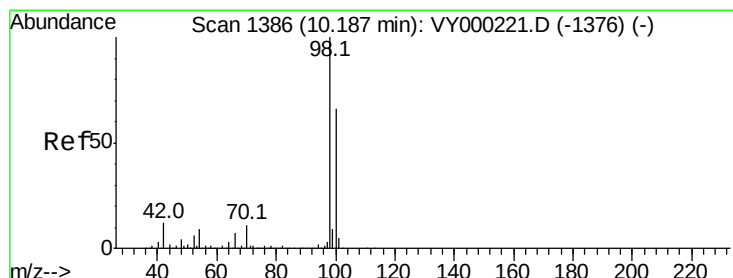
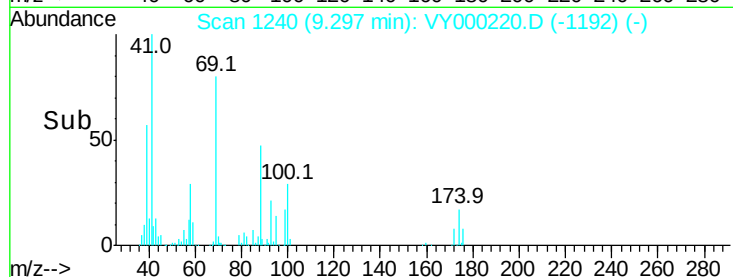
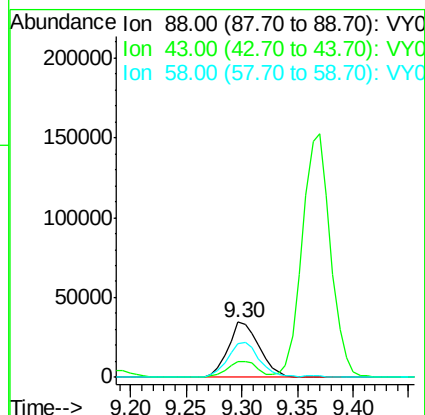
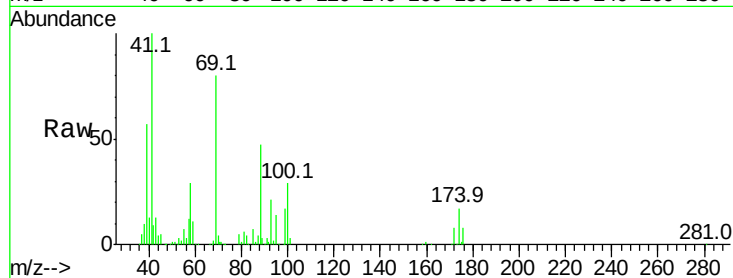
Tgt Ion: 88 Resp: 67006

Ion Ratio Lower Upper

88 100

43 29.3 20.2 30.2

58 64.6 46.8 70.2



#50

Toluene-d8

Concen: 24.114 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000220.D

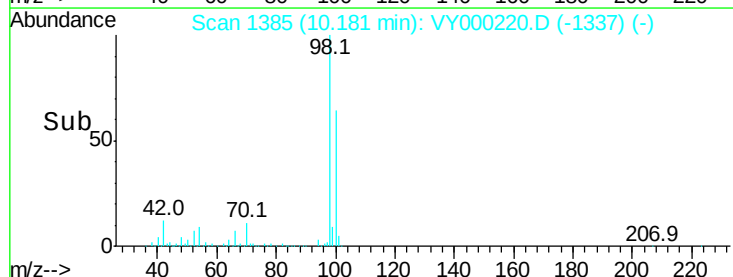
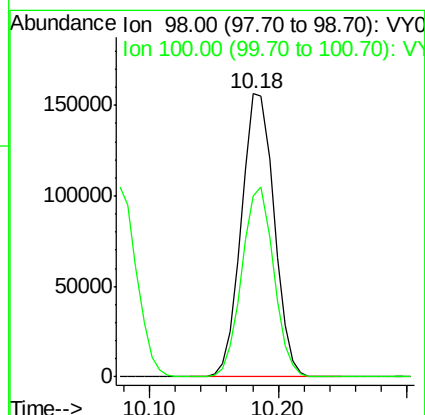
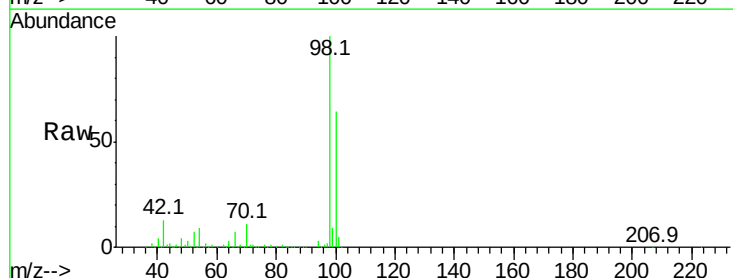
Acq: 08 Oct 2019 13:22

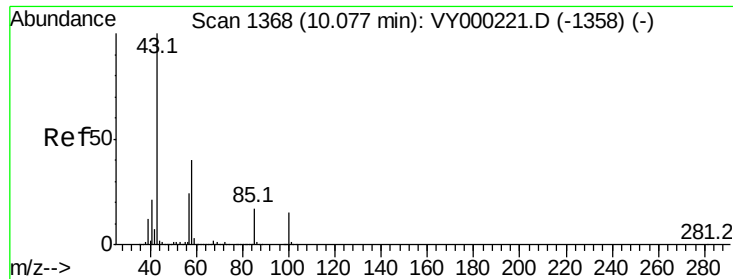
Tgt Ion: 98 Resp: 274735

Ion Ratio Lower Upper

98 100

100 65.1 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 172.291 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

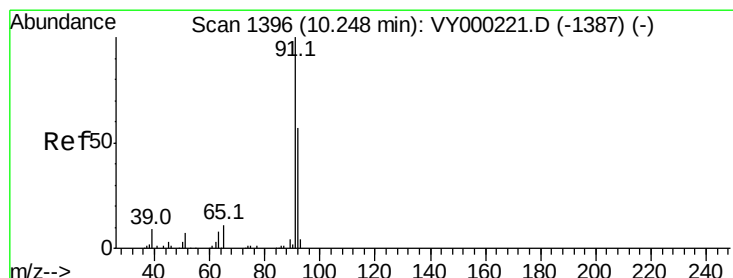
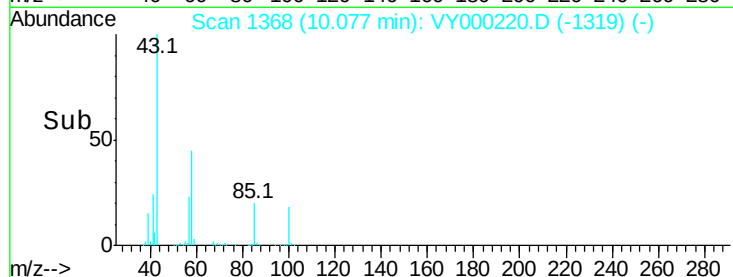
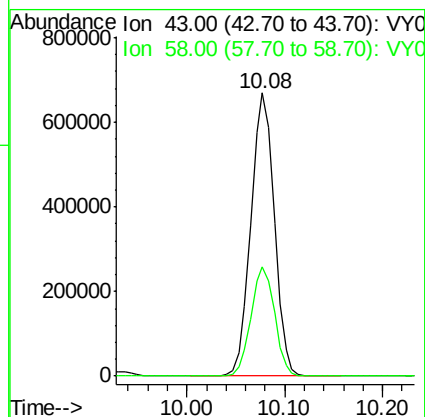
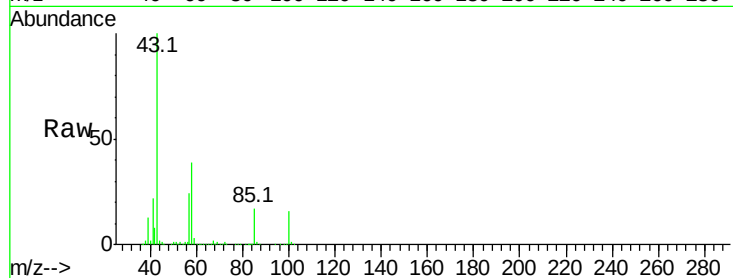
VSTDIC020

Tgt Ion: 43 Resp: 1116538

Ion Ratio Lower Upper

43 100

58 38.9 33.0 49.6



#52

Toluene

Concen: 27.306 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000220.D

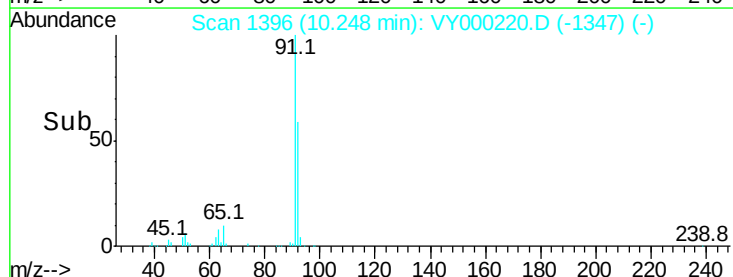
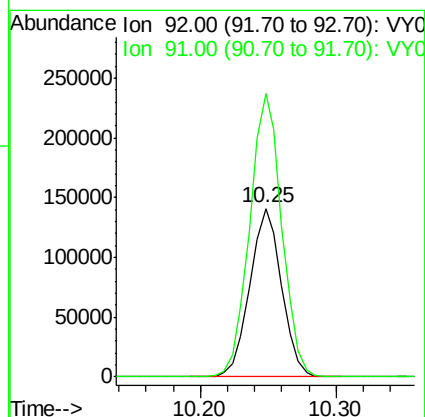
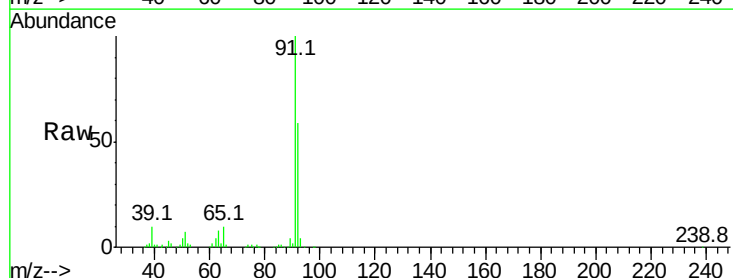
Acq: 08 Oct 2019 13:22

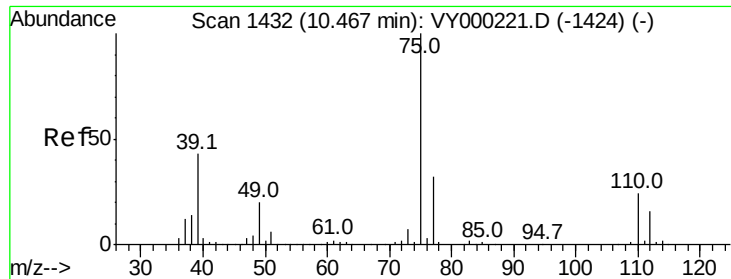
Tgt Ion: 92 Resp: 230981

Ion Ratio Lower Upper

92 100

91 169.3 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 29.852 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampled :

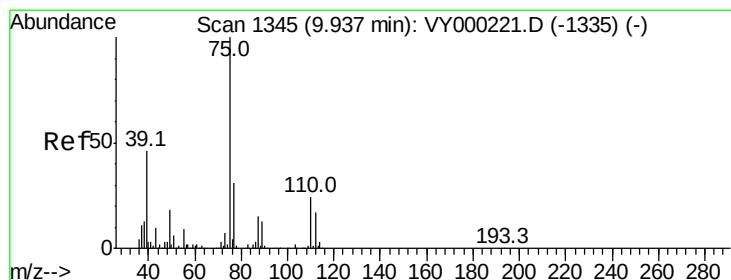
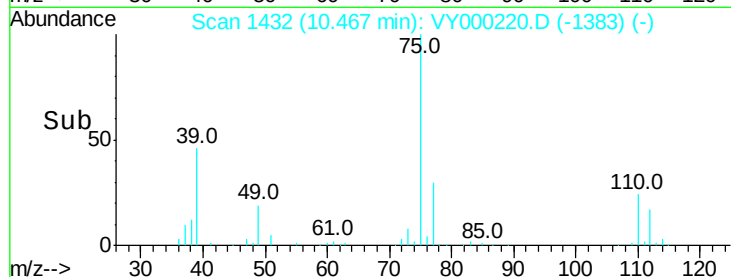
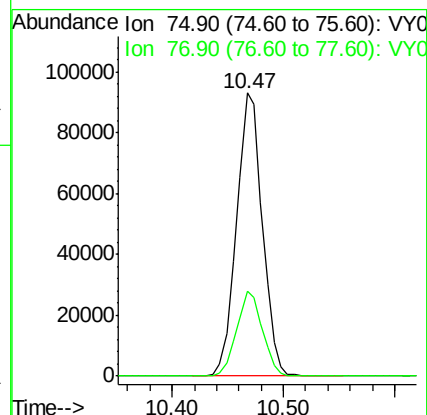
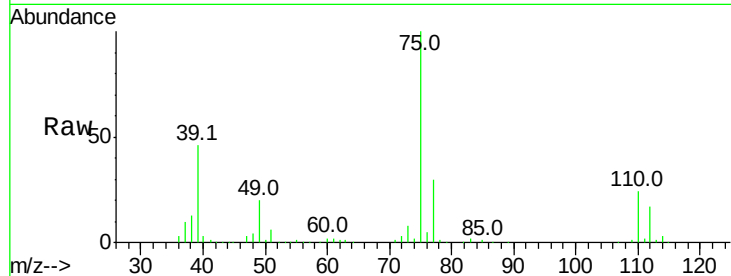
VSTDIC020

Tgt Ion: 75 Resp: 148911

Ion Ratio Lower Upper

75 100

77 29.8 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 28.601 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

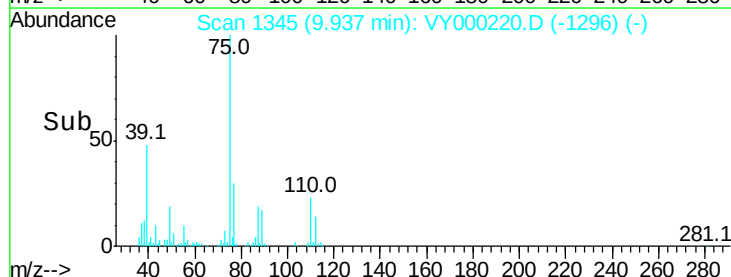
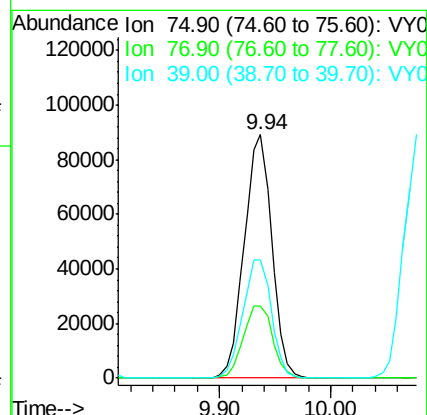
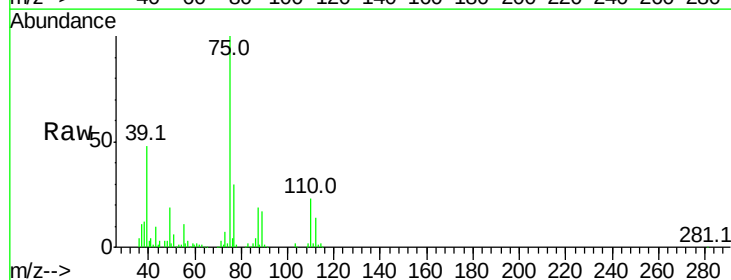
Tgt Ion: 75 Resp: 152807

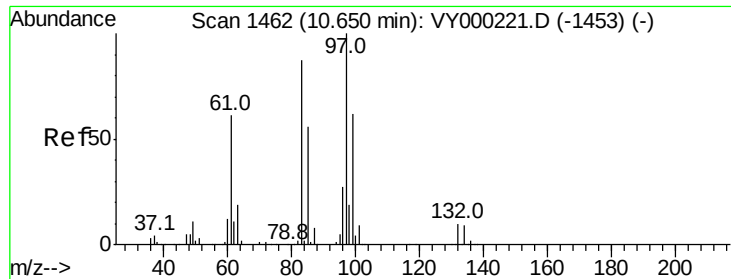
Ion Ratio Lower Upper

75 100

77 29.7 24.8 37.2

39 48.2 33.2 49.8

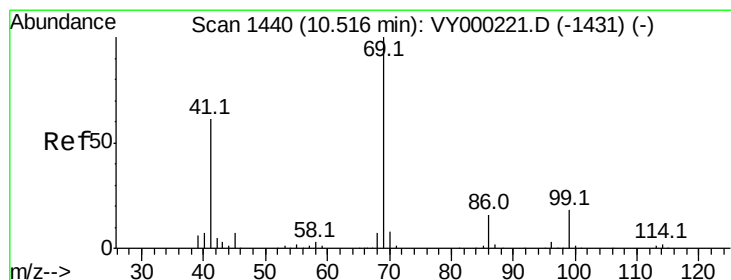
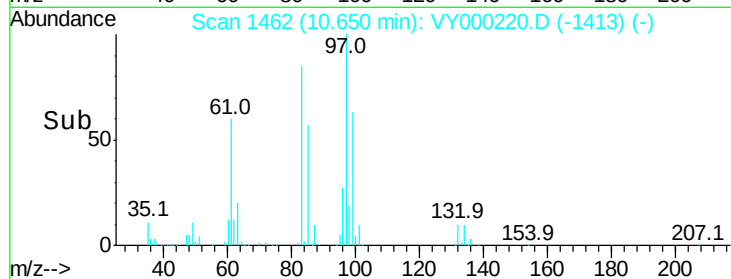
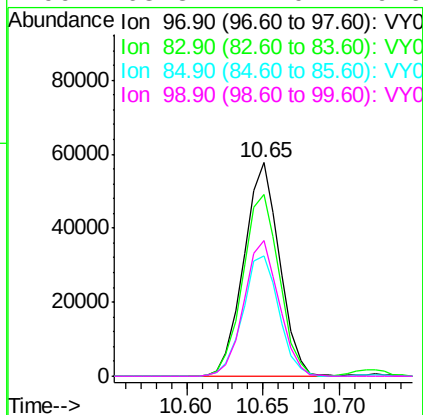
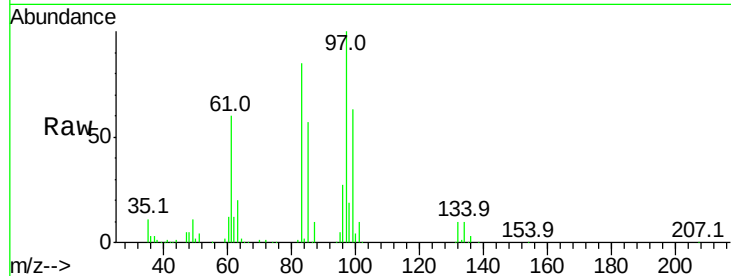




#55
 1,1,2-Trichloroethane
 Concen: 27.029 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

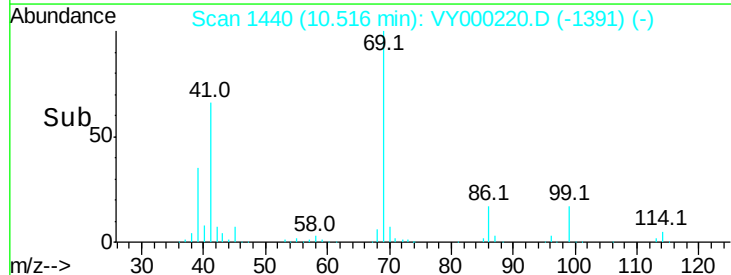
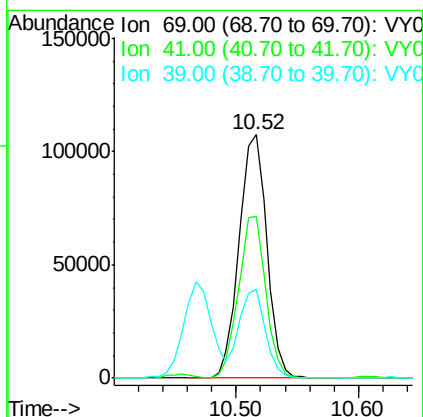
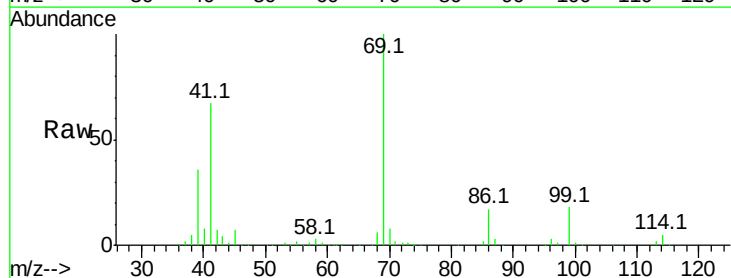
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

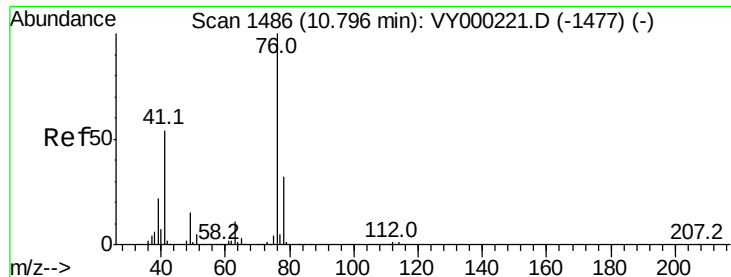
Tgt Ion:	97	Resp:	93799
Ion	Ratio	Lower	Upper
97	100		
83	85.2	66.2	99.2
85	56.5	41.0	61.6
99	63.3	47.0	70.6



#56
 Ethyl methacrylate
 Concen: 32.016 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Tgt Ion:	69	Resp:	169031
Ion	Ratio	Lower	Upper
69	100		
41	65.0	46.9	70.3
39	34.8	27.4	41.0





#57

1,3-Dichloropropane

Concen: 29.268 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

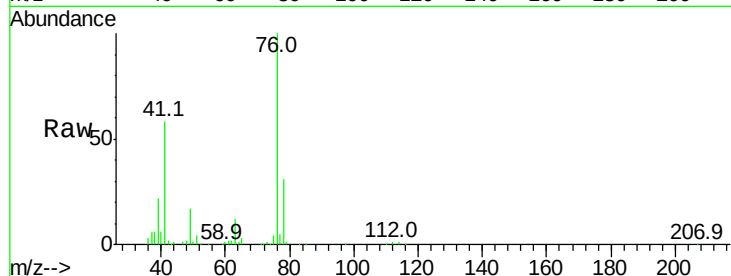
VSTDIC020

Tgt Ion: 76 Resp: 161366

Ion Ratio Lower Upper

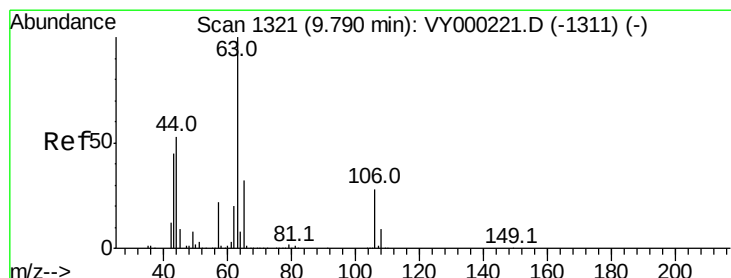
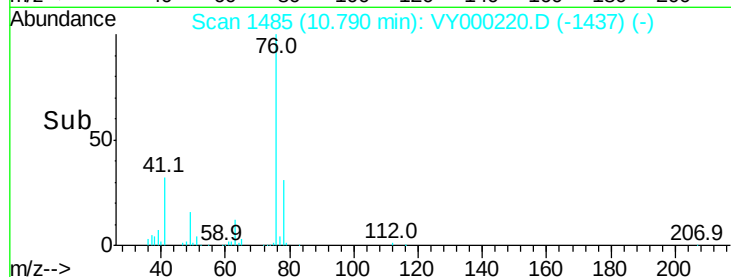
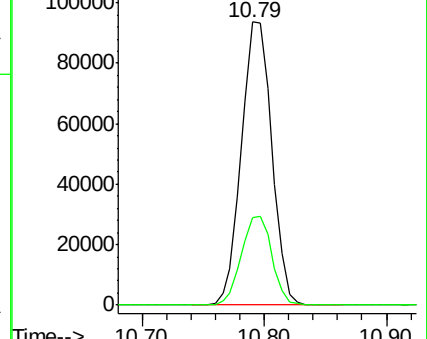
76 100

78 31.4 25.8 38.8



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: 132.094 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000220.D

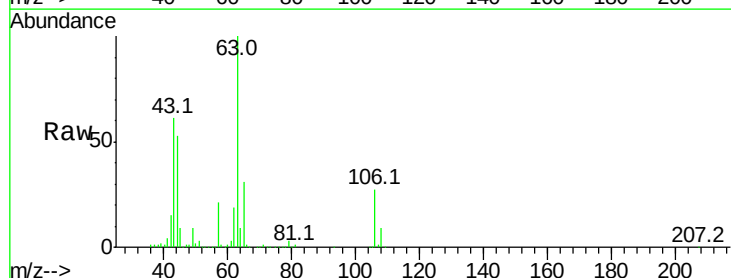
Acq: 08 Oct 2019 13:22

Tgt Ion: 63 Resp: 396710

Ion Ratio Lower Upper

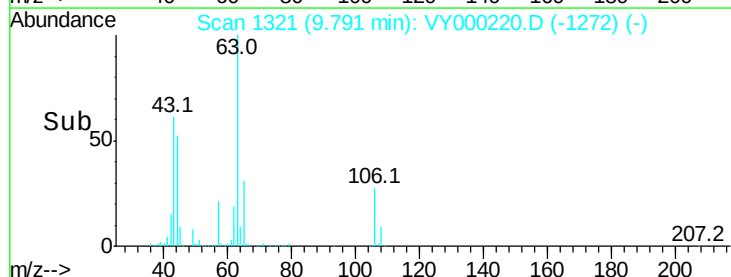
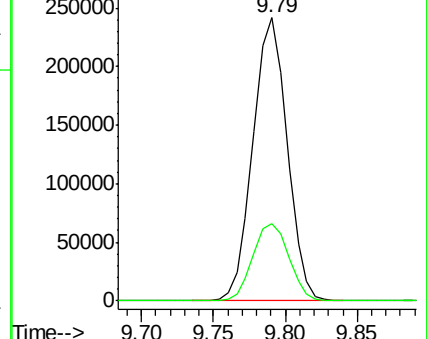
63 100

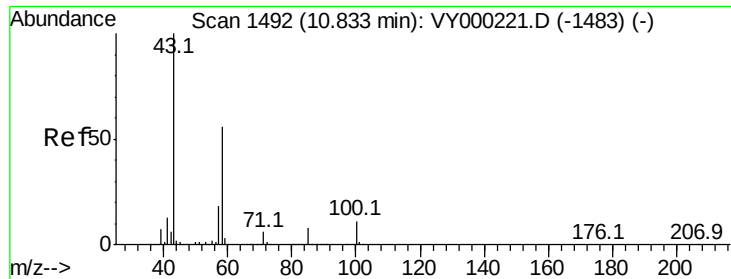
106 28.9 26.8 40.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

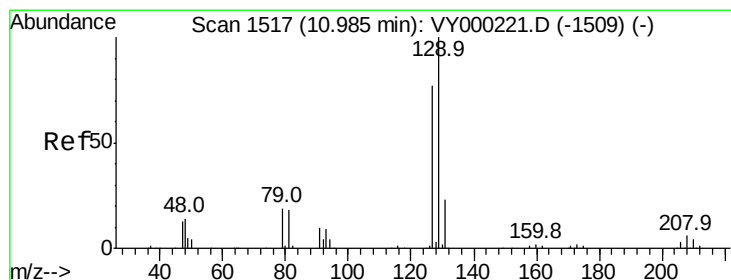
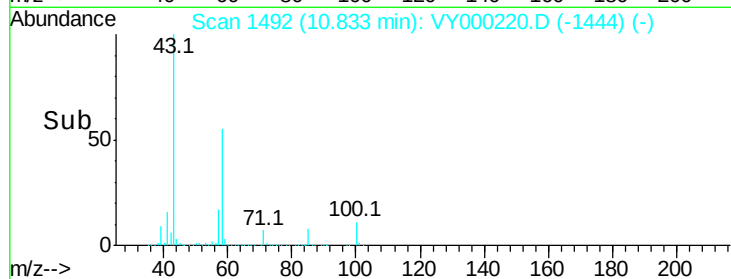
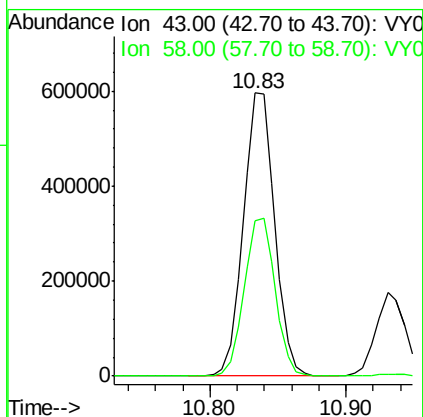
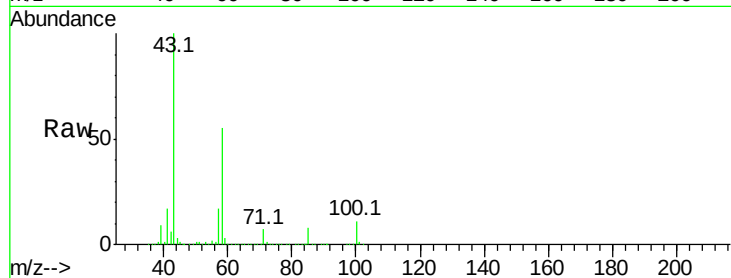




#59
2-Hexanone
Concen: 173.610 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

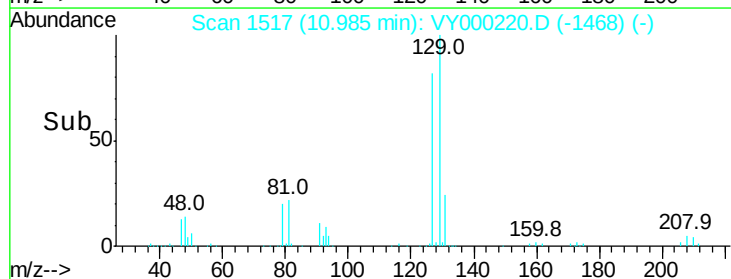
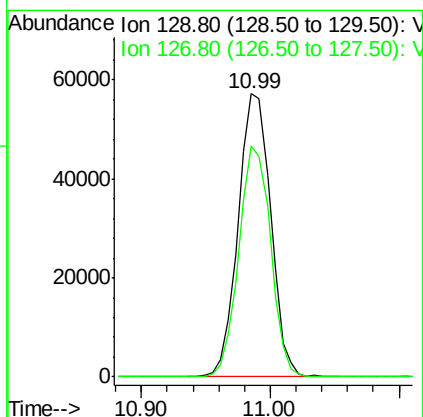
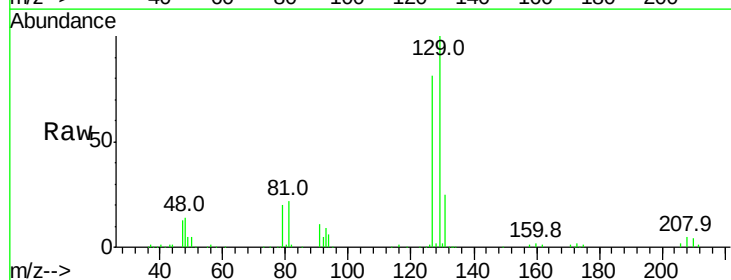
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

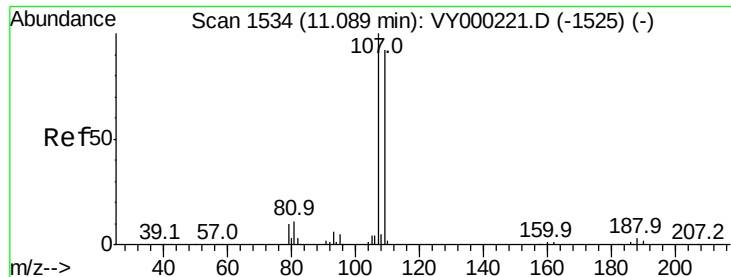
Tgt Ion: 43 Resp: 956545
Ion Ratio Lower Upper
43 100
58 55.4 28.7 86.1



#60
Dibromochloromethane
Concen: 25.810 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

Tgt Ion: 129 Resp: 99961
Ion Ratio Lower Upper
129 100
127 79.4 39.2 117.6

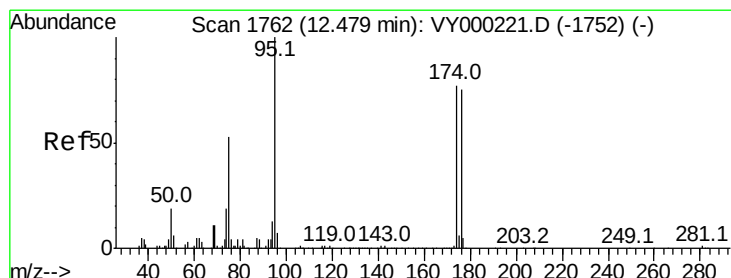
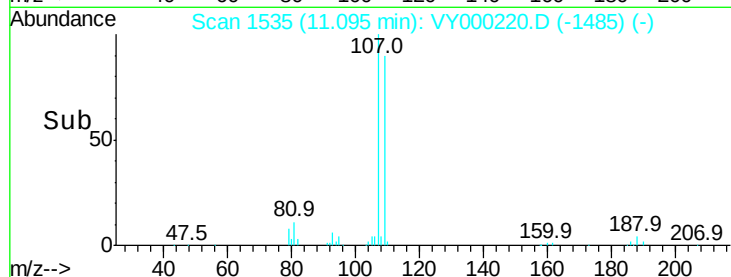
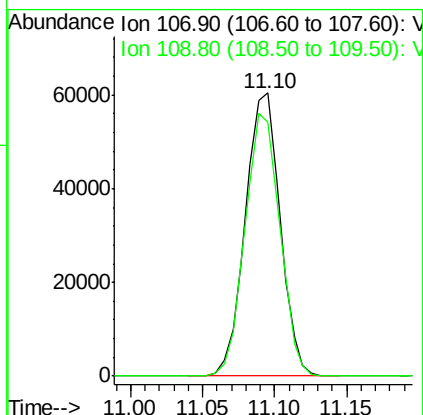
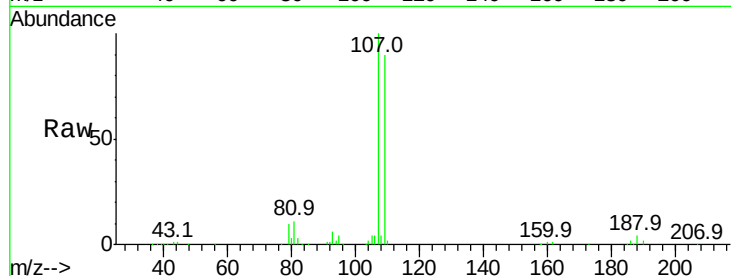




#61
 1,2-Dibromoethane
 Concen: 26.789 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

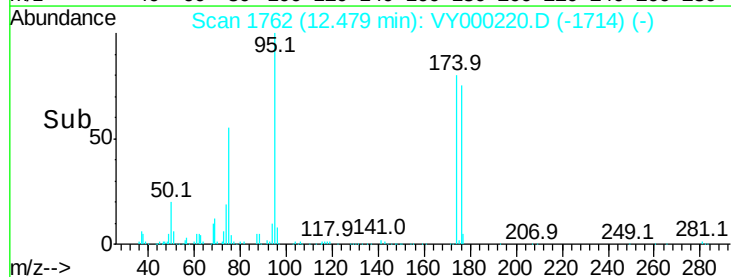
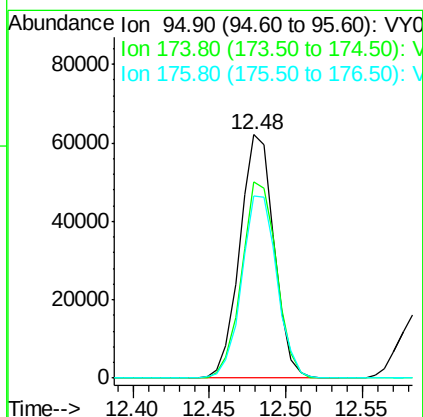
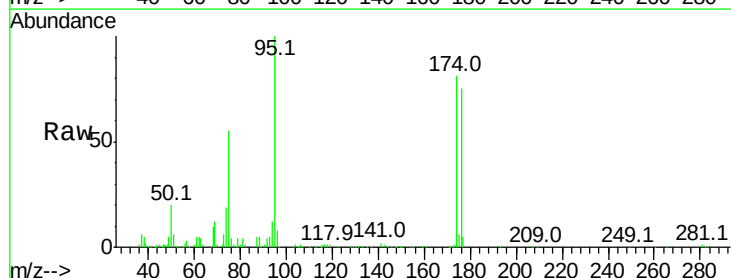
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

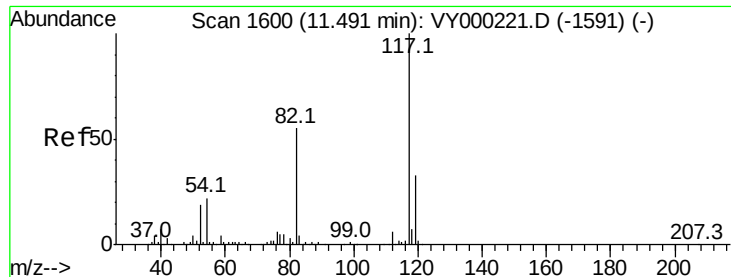
Tgt Ion: 107 Resp: 100763
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 23.400 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Tgt Ion: 95 Resp: 96154
 Ion Ratio Lower Upper
 95 100
 174 82.1 0.0 188.4
 176 77.1 0.0 182.8

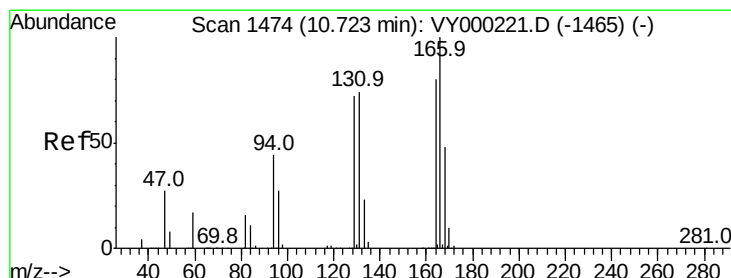
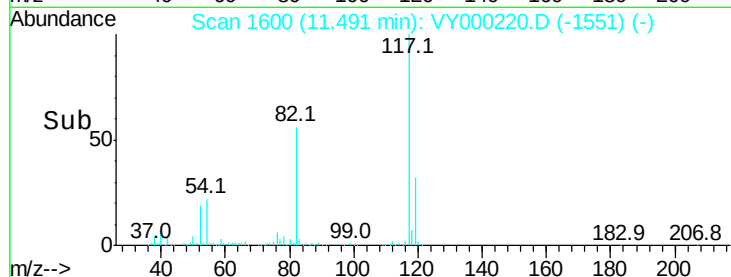
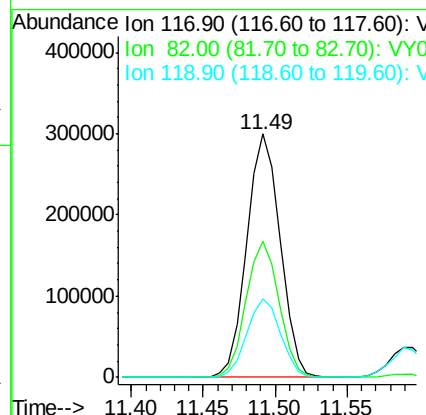
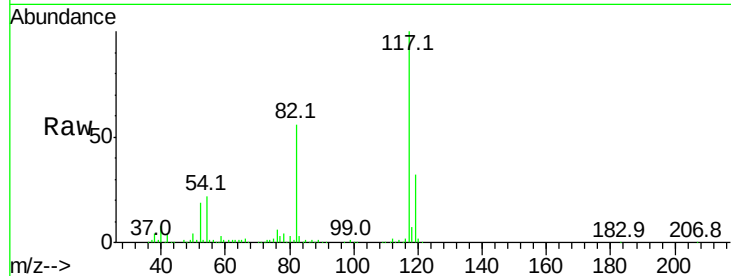




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

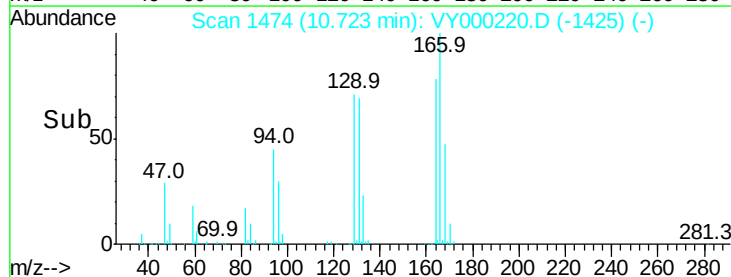
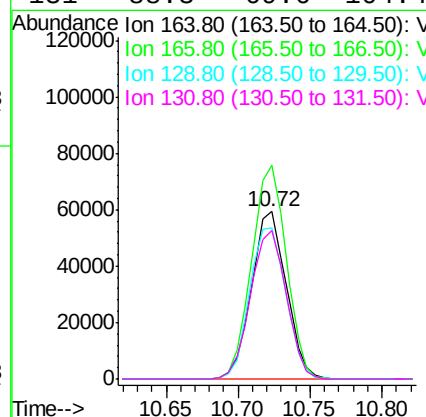
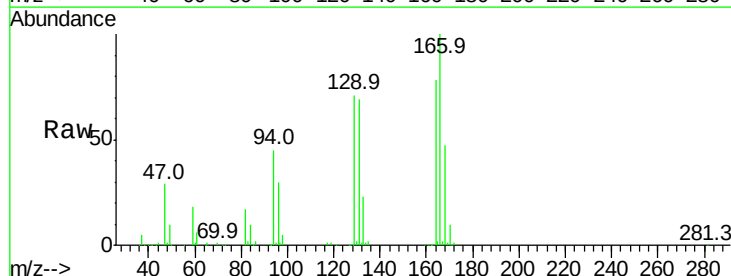
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

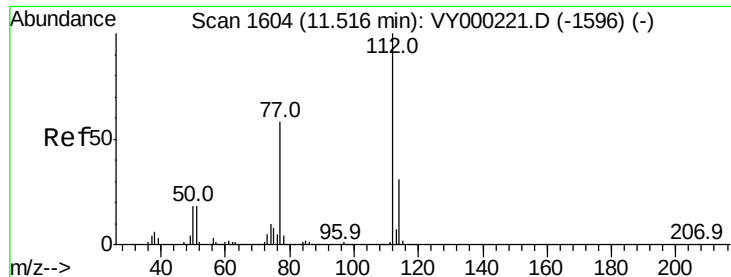
Tgt Ion:117 Resp: 479230
Ion Ratio Lower Upper
117 100
82 55.9 39.4 59.2
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 23.235 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

Tgt Ion:164 Resp: 98889
Ion Ratio Lower Upper
164 100
166 127.4 98.4 147.6
129 90.3 68.6 103.0
131 88.3 69.6 104.4





#65

Chlorobenzene

Concen: 26.094 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

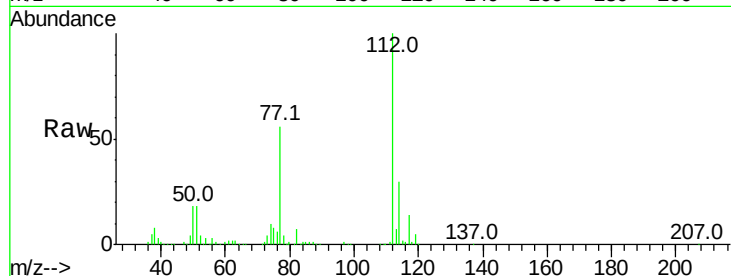
VSTDIC020

Tgt Ion:112 Resp: 243545

Ion Ratio Lower Upper

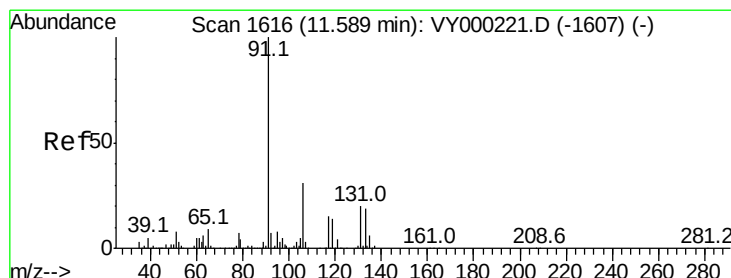
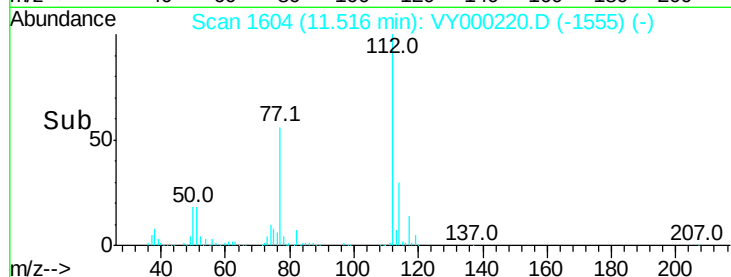
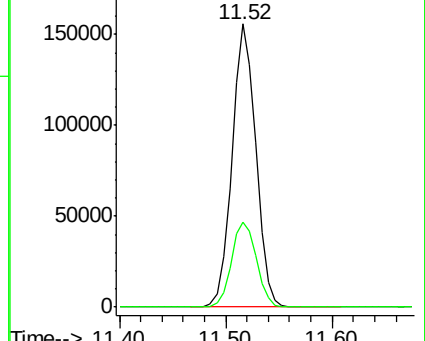
112 100

114 29.9 24.4 36.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 25.517 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

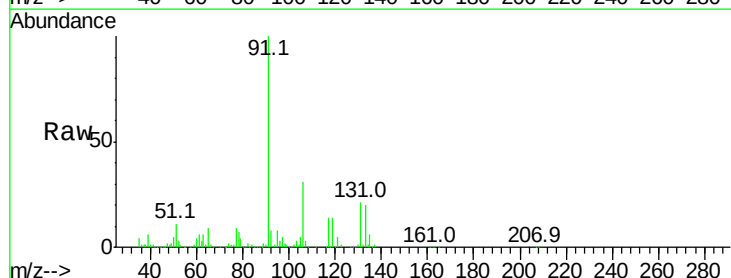
Tgt Ion:131 Resp: 89290

Ion Ratio Lower Upper

131 100

133 98.2 47.1 141.4

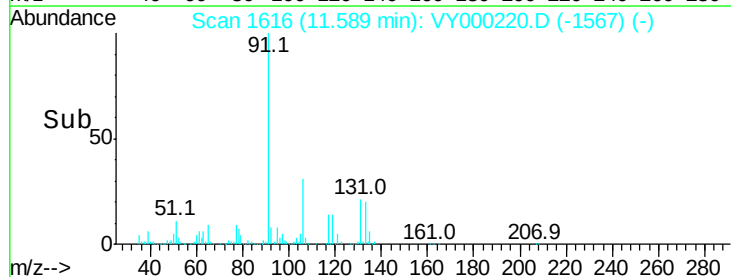
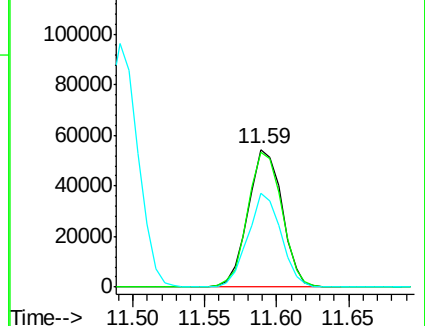
119 66.2 31.4 94.3

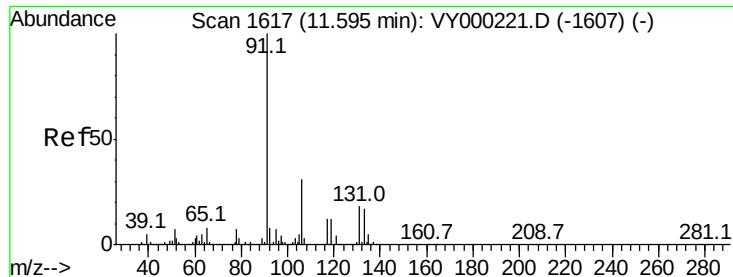


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 26.986 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

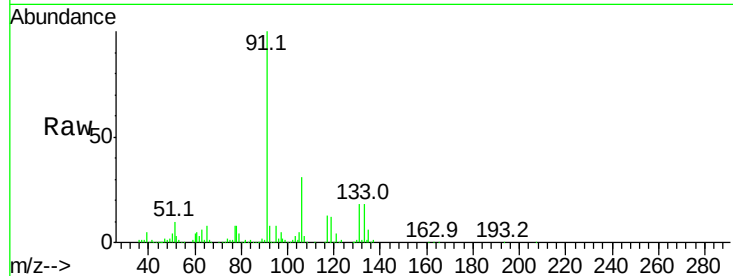
VSTDIC020

Tgt Ion: 91 Resp: 434805

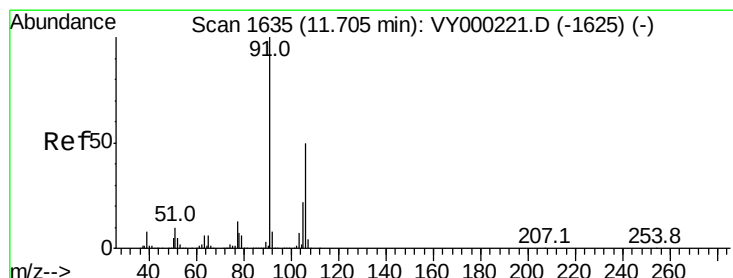
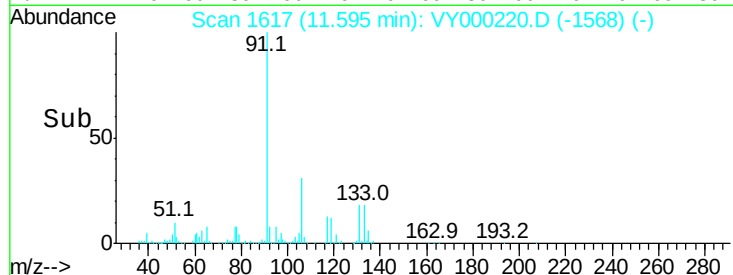
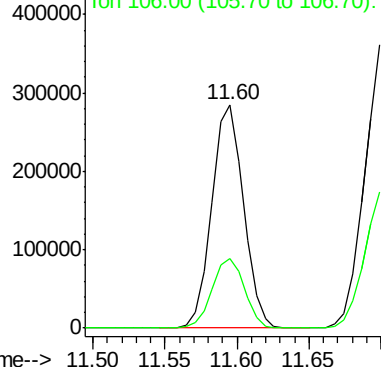
Ion Ratio Lower Upper

91 100

106 31.1 26.9 40.3



Abundance Ion 91.00 (90.70 to 91.70): VY000221.D (-1607) (-)



#68

m/p-Xylenes

Concen: 52.972 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY000220.D

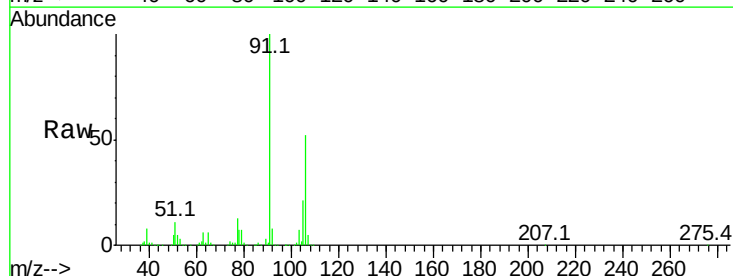
Acq: 08 Oct 2019 13:22

Tgt Ion: 106 Resp: 336527

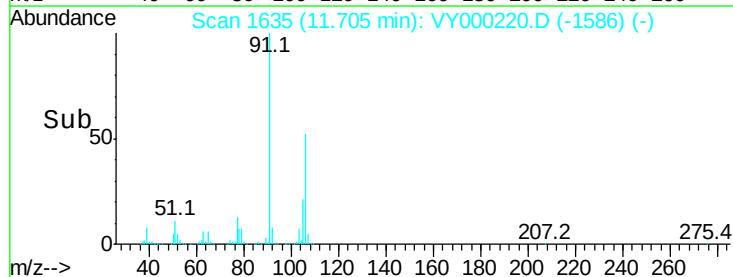
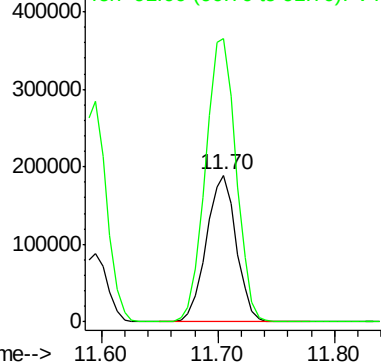
Ion Ratio Lower Upper

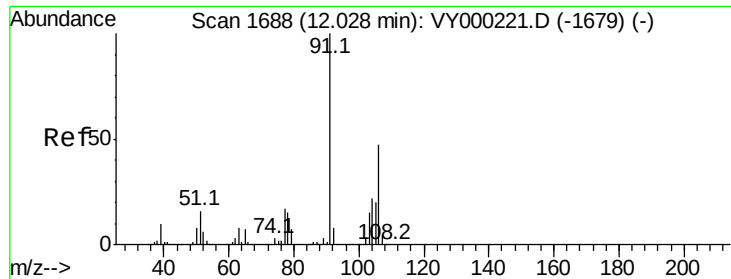
106 100

91 198.8 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): VY000221.D (-1625) (-)

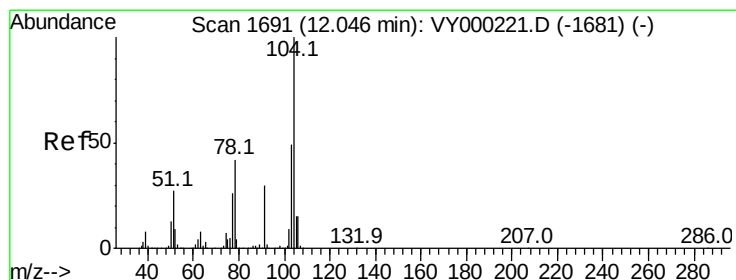
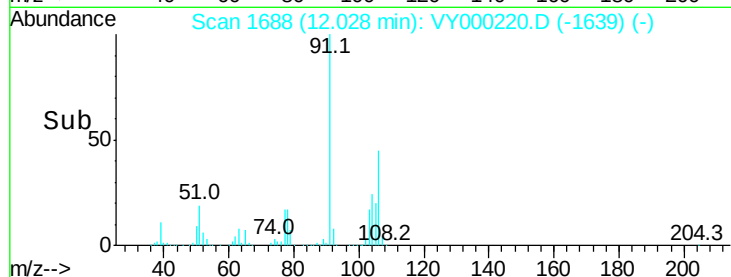
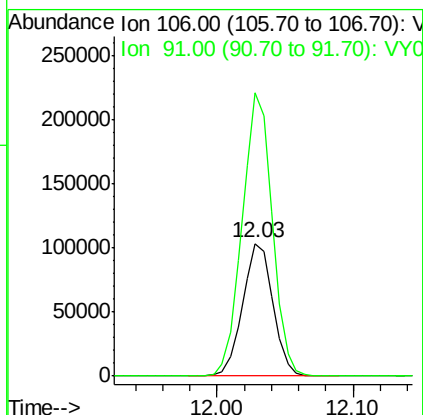
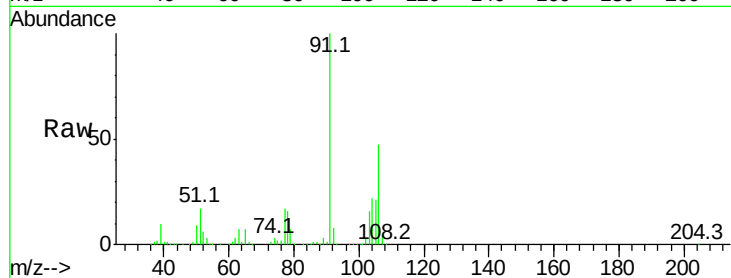




#69
o-Xylene
Concen: 25.669 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

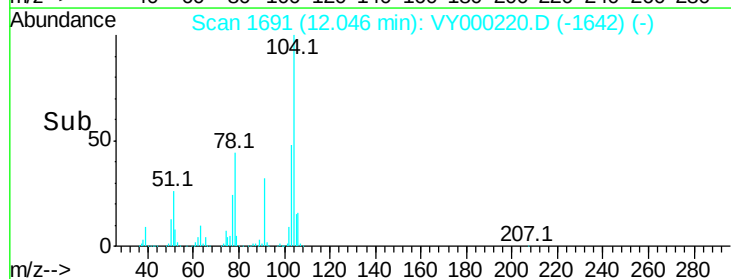
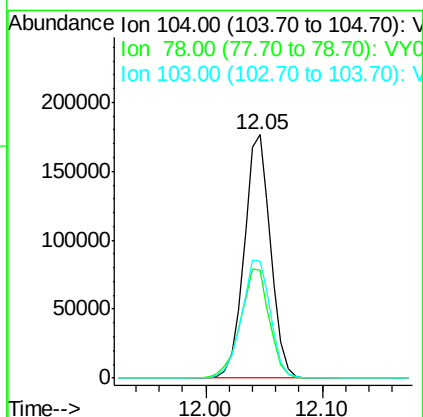
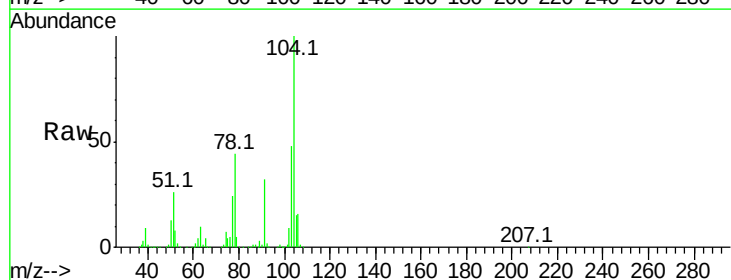
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

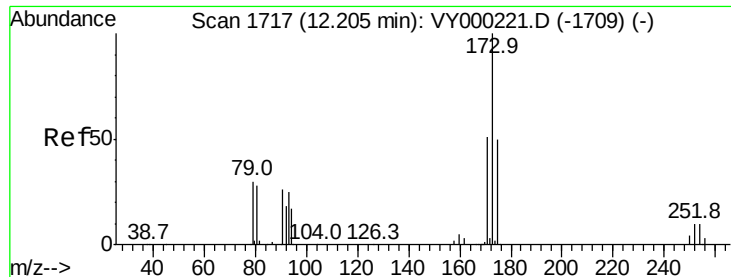
Tgt Ion:106 Resp: 160528
Ion Ratio Lower Upper
106 100
91 212.4 100.8 302.6



#70
Styrene
Concen: 26.743 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

Tgt Ion:104 Resp: 276885
Ion Ratio Lower Upper
104 100
78 49.2 35.6 53.4
103 53.4 42.2 63.4





#71

Bromoform

Concen: 25.093 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

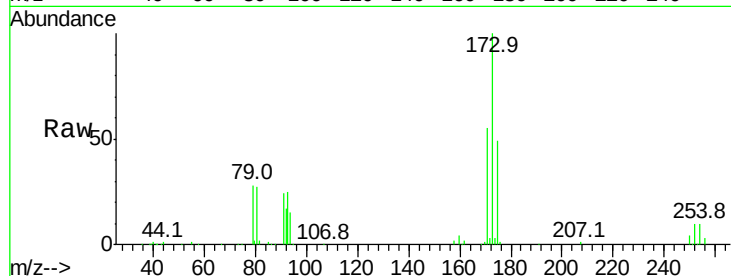
Tgt Ion:173 Resp: 77393

Ion Ratio Lower Upper

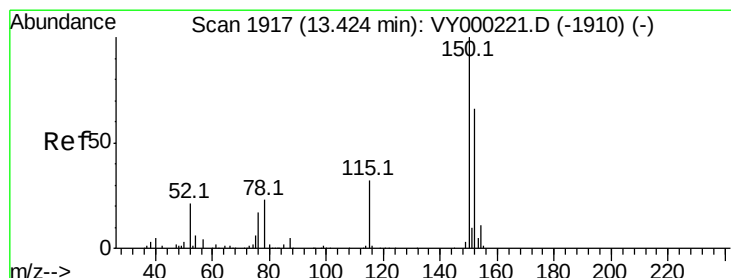
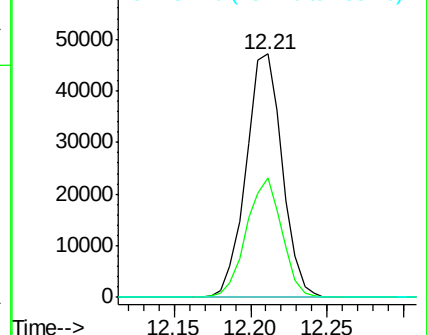
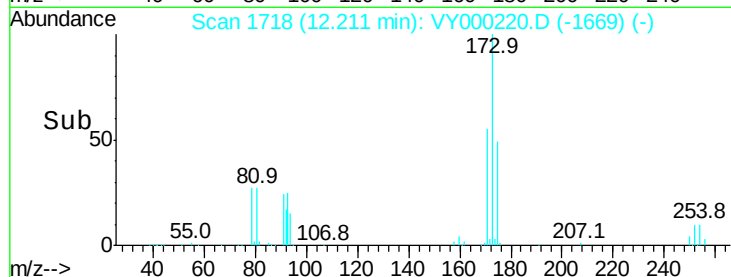
173 100

175 47.9 23.9 71.8

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# 1917

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

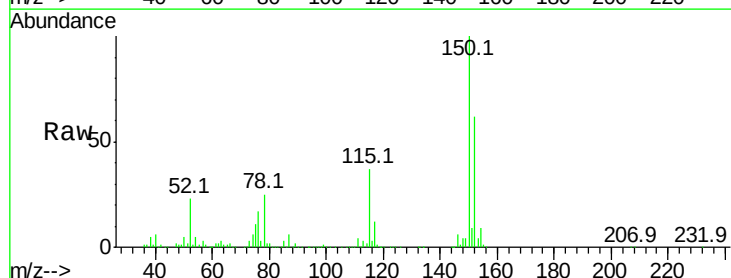
Tgt Ion:152 Resp: 230915

Ion Ratio Lower Upper

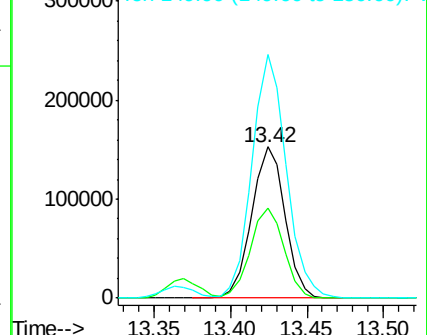
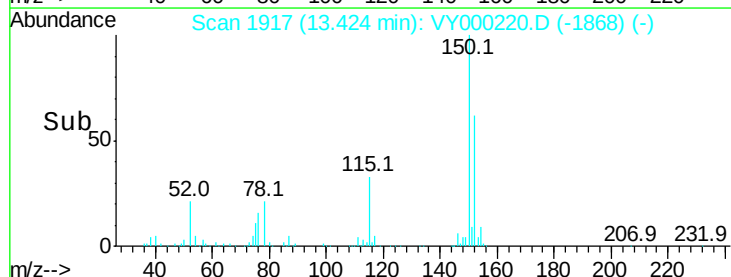
152 100

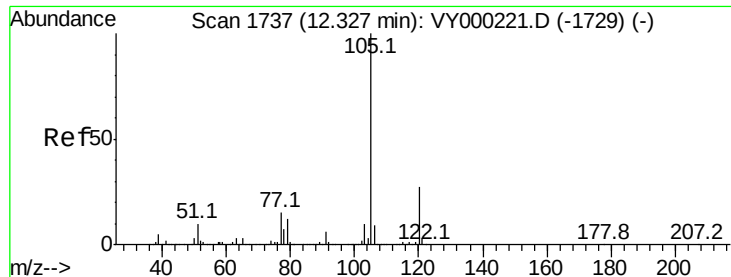
115 60.1 26.0 78.0

150 166.5 0.0 332.8



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





#73

Isopropylbenzene

Concen: 27.573 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

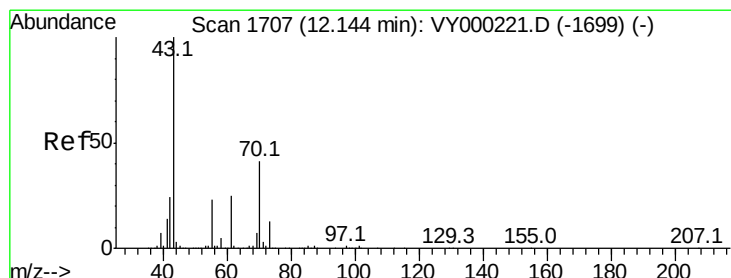
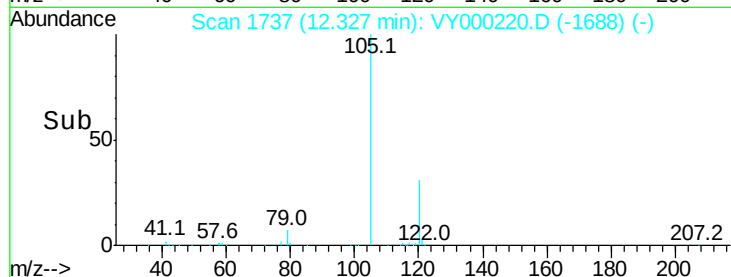
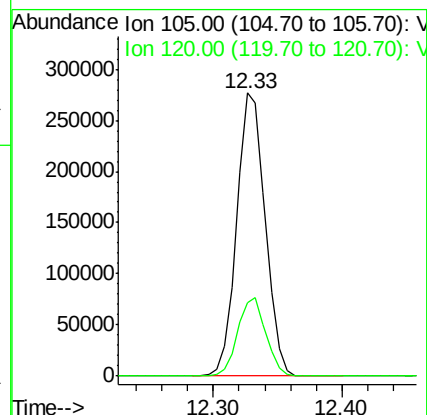
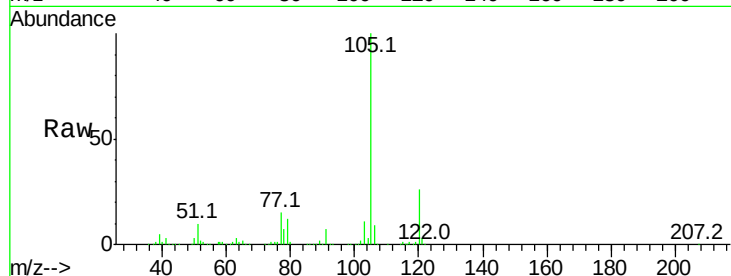
VSTDIC020

Tgt Ion:105 Resp: 424637

Ion Ratio Lower Upper

105 100

120 27.3 14.4 43.0



#74

N-ethyl acetate

Concen: 36.996 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Tgt Ion: 43 Resp: 220562

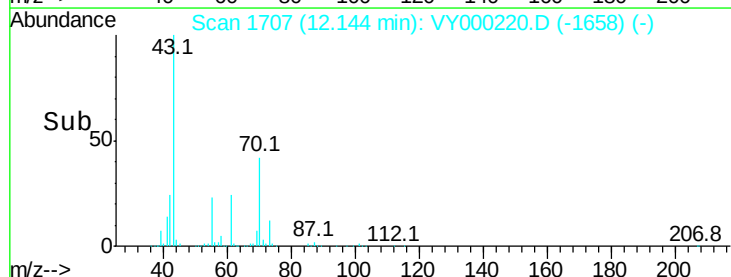
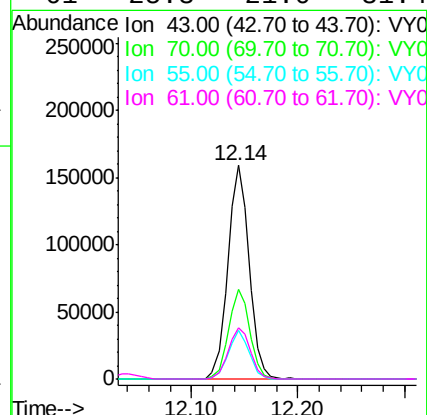
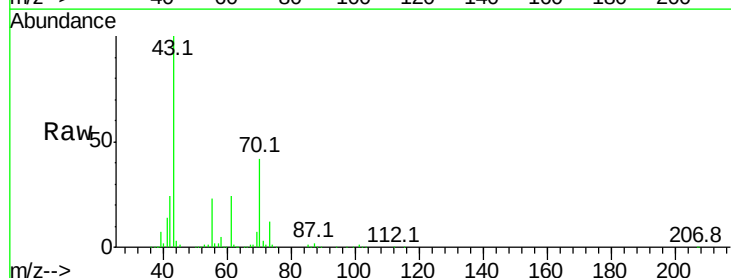
Ion Ratio Lower Upper

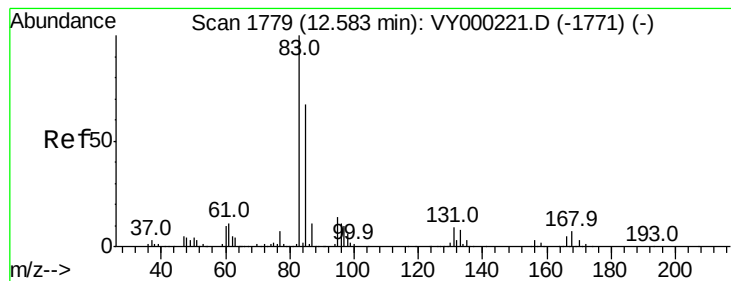
43 100

70 42.2 37.4 56.2

55 22.4 18.6 27.8

61 25.3 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 30.751 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

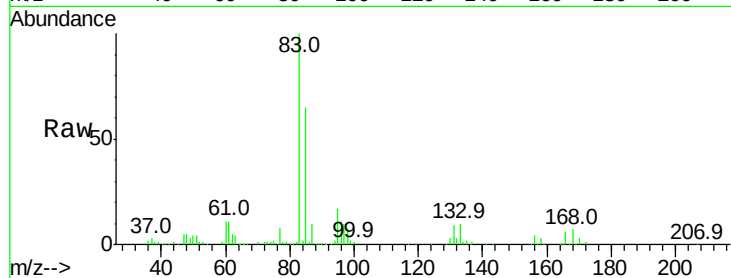
Tgt Ion: 83 Resp: 150619

Ion Ratio Lower Upper

83 100

131 9.4 5.9 17.6

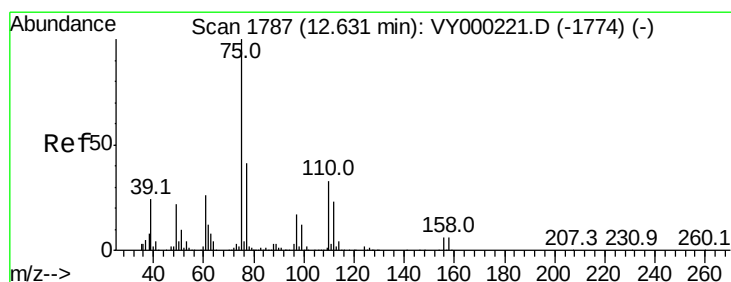
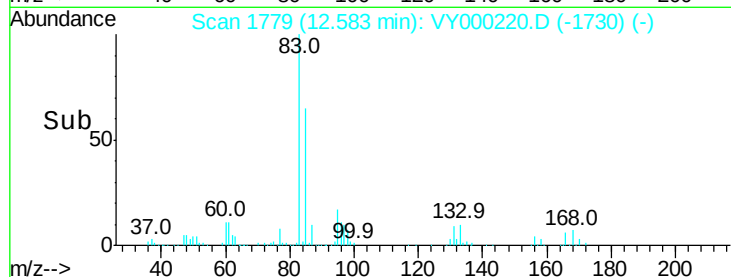
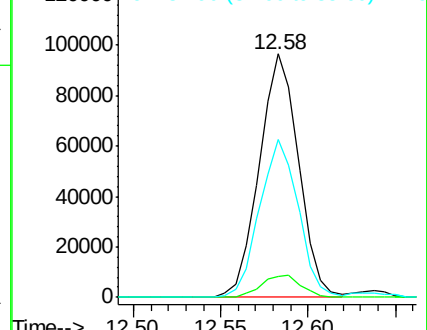
85 64.0 32.6 98.0



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 34.919 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. 0.01 min

Lab File: VY000220.D

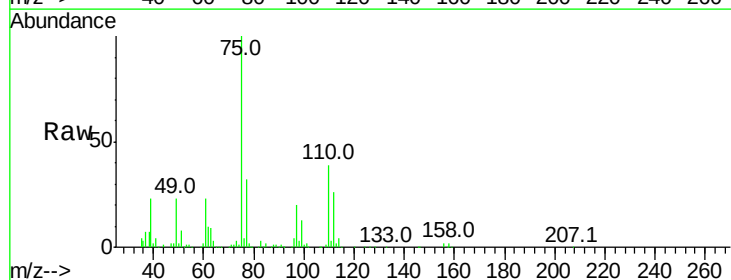
Acq: 08 Oct 2019 13:22

Tgt Ion: 75 Resp: 232423

Ion Ratio Lower Upper

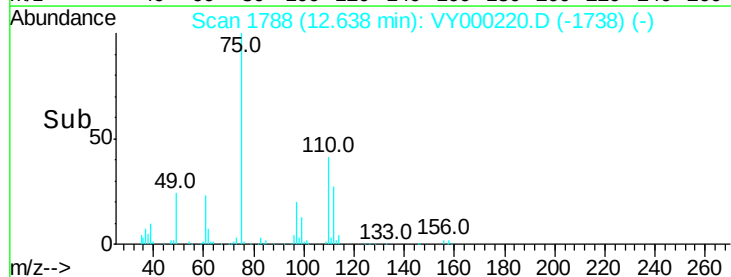
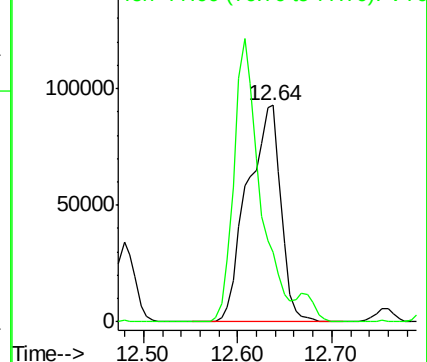
75 100

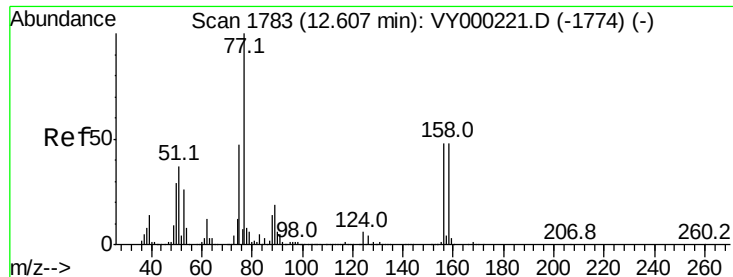
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 24.911 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

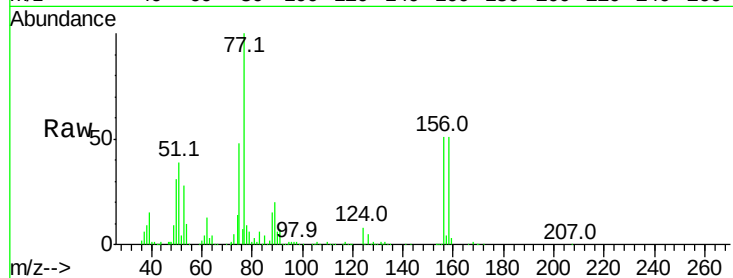
Tgt Ion:156 Resp: 100606

Ion Ratio Lower Upper

156 100

77 233.8 93.3 279.8

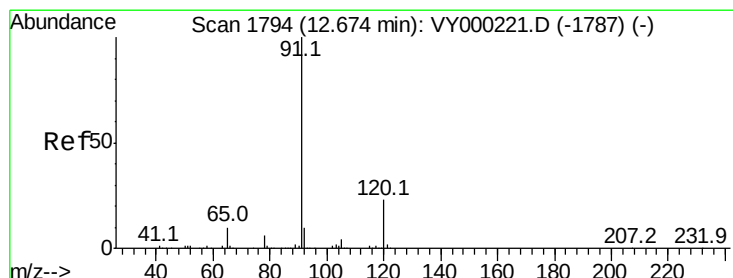
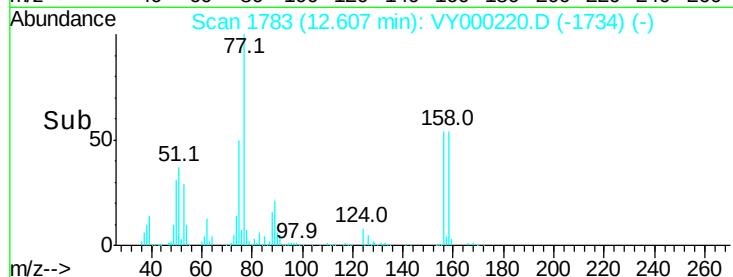
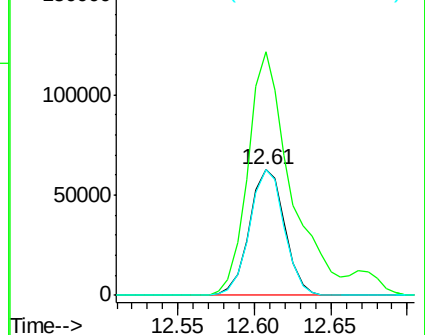
158 97.7 49.3 147.8



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: 28.437 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000220.D

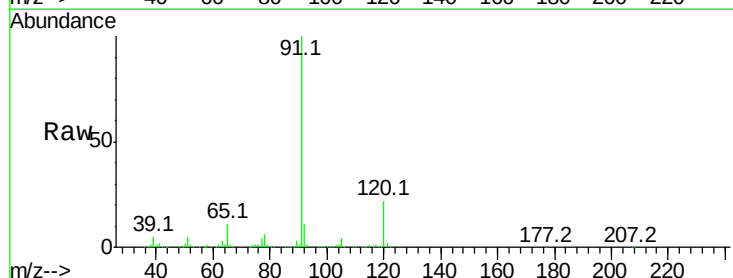
Acq: 08 Oct 2019 13:22

Tgt Ion: 91 Resp: 498691

Ion Ratio Lower Upper

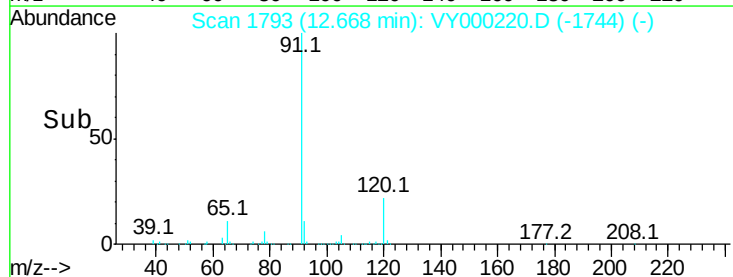
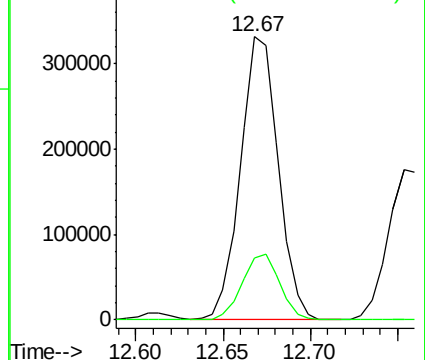
91 100

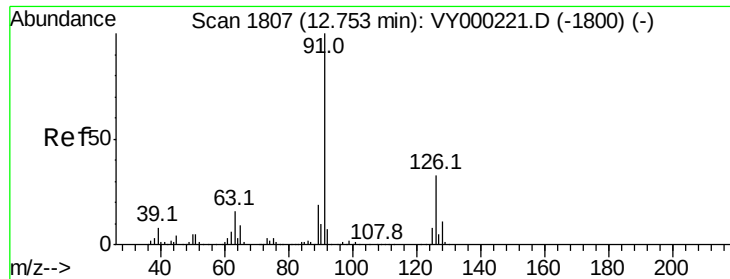
120 23.2 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

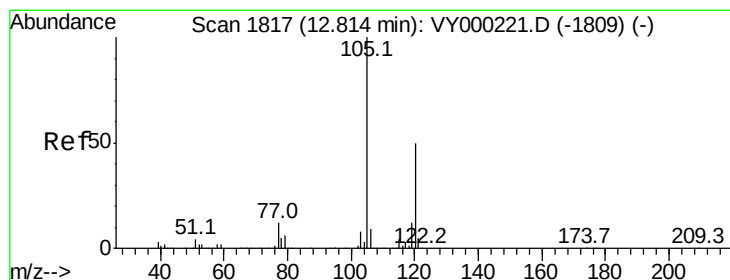
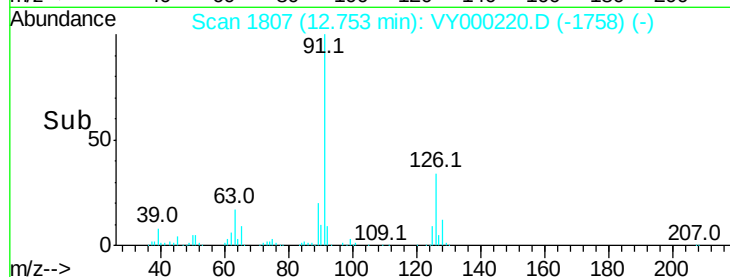
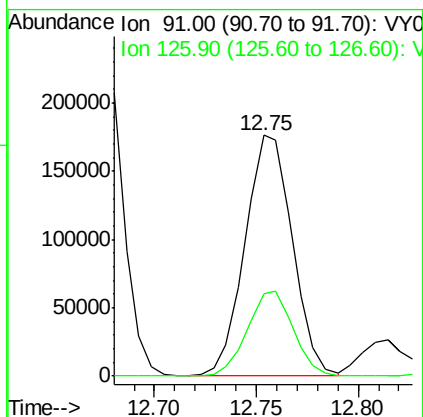
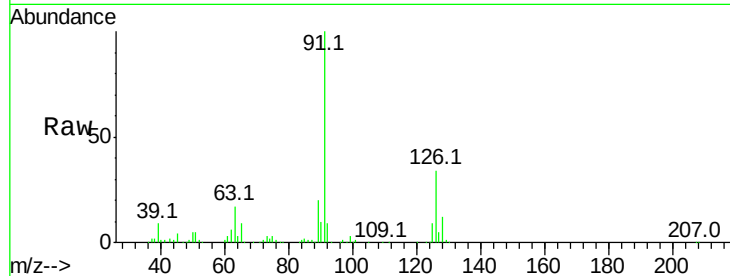




#79
 2-Chlorotoluene
 Concen: 28.806 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

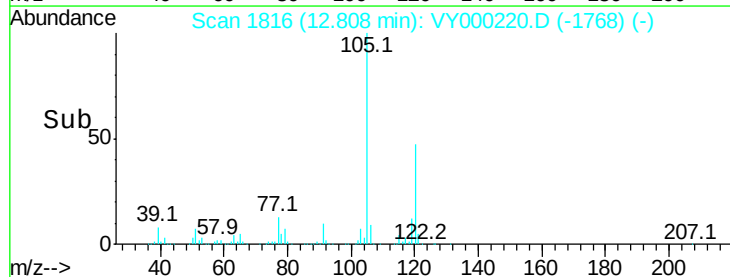
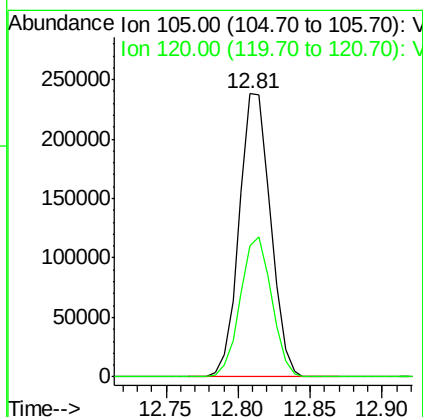
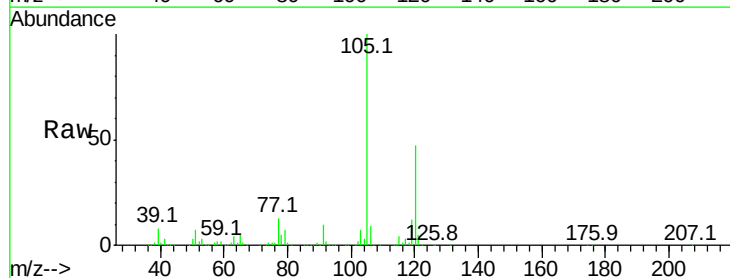
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

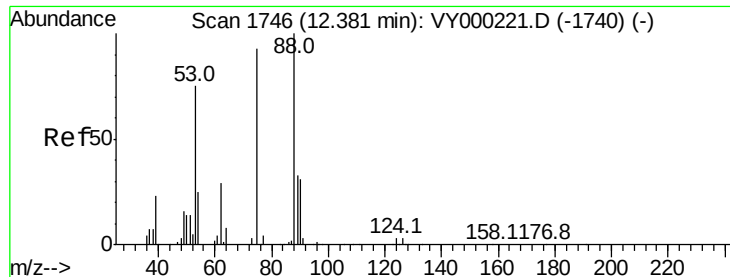
Tgt Ion: 91 Resp: 285612
 Ion Ratio Lower Upper
 91 100
 126 34.3 18.9 56.7



#80
 1,3,5-Trimethylbenzene
 Concen: 27.794 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Tgt Ion: 105 Resp: 359971
 Ion Ratio Lower Upper
 105 100
 120 49.4 26.3 78.8





#81

trans-1,4-Dichloro-2-butene

Concen: 32.897 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

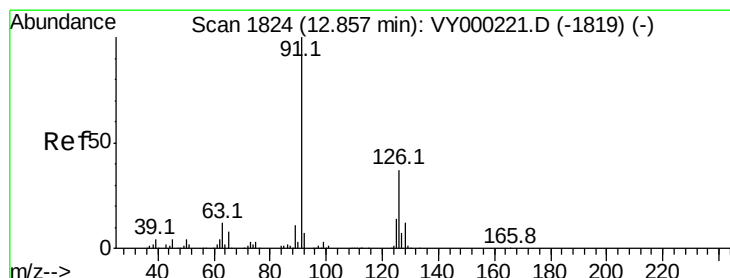
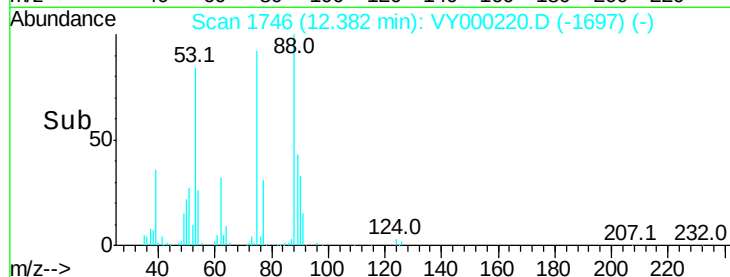
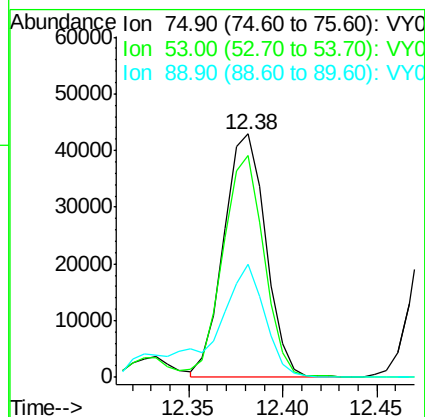
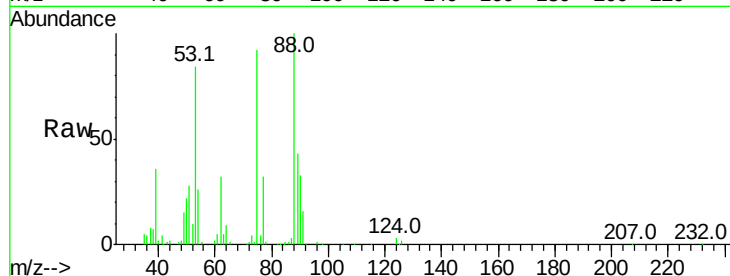
Tgt Ion: 75 Resp: 65881

Ion Ratio Lower Upper

75 100

53 90.5 68.1 102.1

89 61.2 40.6 61.0#



#82

4-Chlorotoluene

Concen: 28.915 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY000220.D

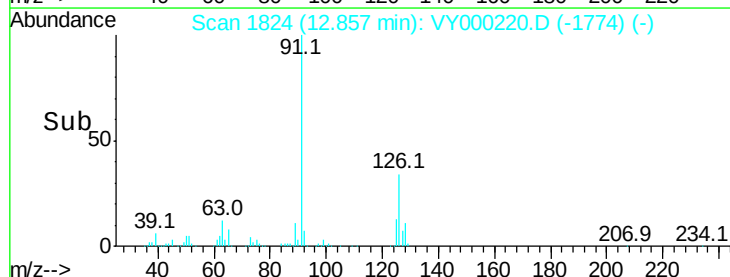
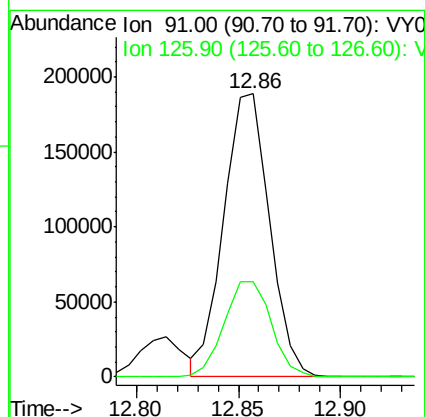
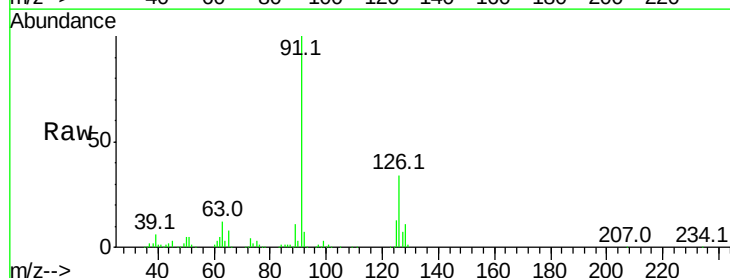
Acq: 08 Oct 2019 13:22

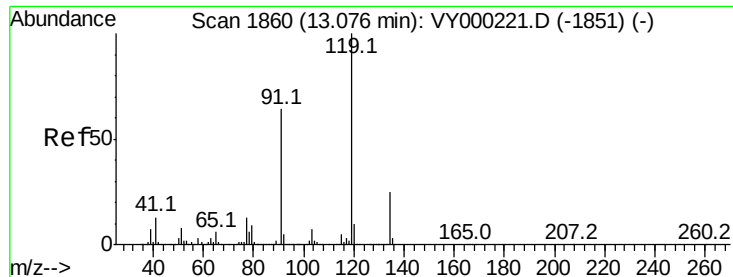
Tgt Ion: 91 Resp: 293129

Ion Ratio Lower Upper

91 100

126 34.9 18.9 56.9





#83

tert-Butylbenzene

Concen: 26.128 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

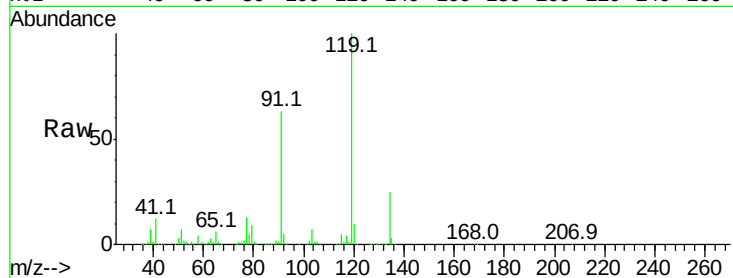
Tgt Ion:119 Resp: 305891

Ion Ratio Lower Upper

119 100

91 65.0 30.4 91.3

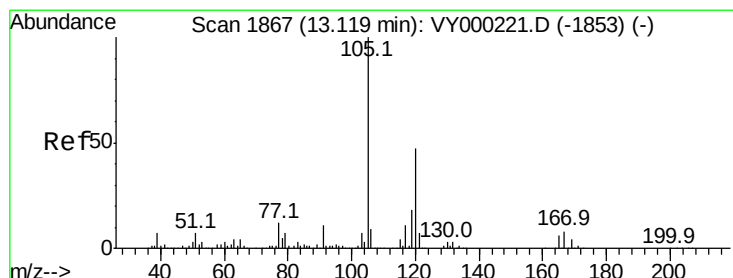
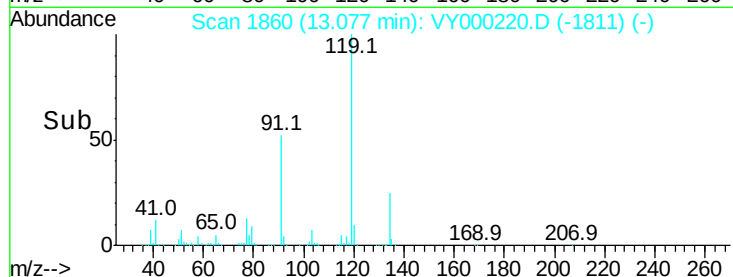
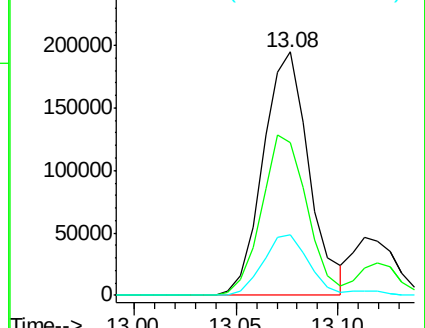
134 26.1 13.7 41.0



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: 27.943 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000220.D

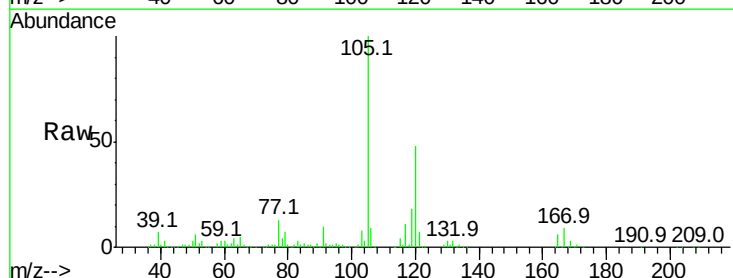
Acq: 08 Oct 2019 13:22

Tgt Ion:105 Resp: 358863

Ion Ratio Lower Upper

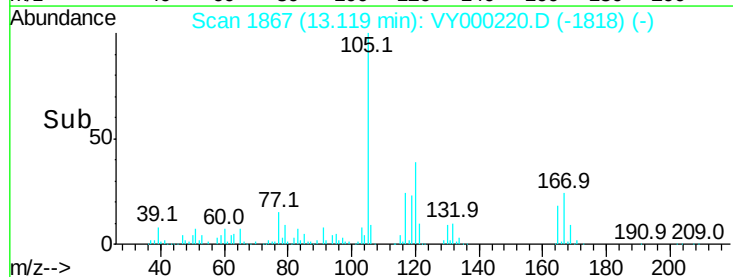
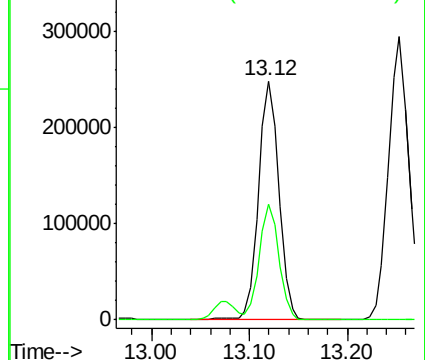
105 100

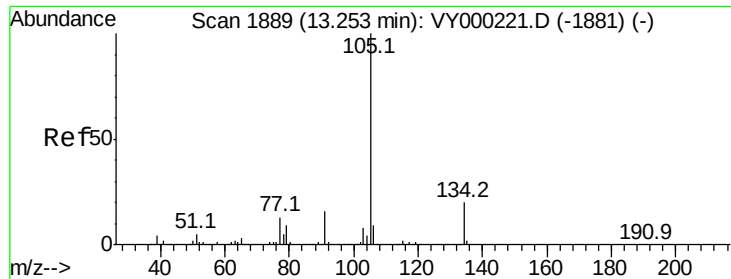
120 46.7 23.6 71.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 26.772 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

Instrument :

MSVOA_Y

ClientSampleId :

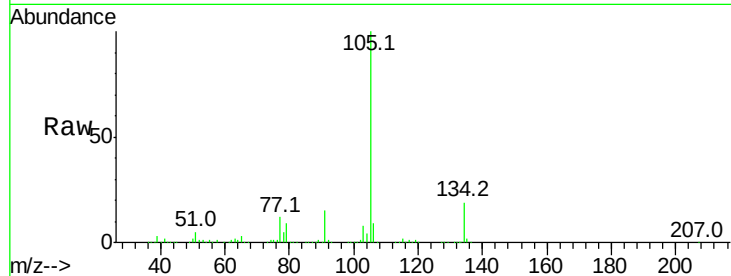
VSTDIC020

Tgt Ion:105 Resp: 424596

Ion Ratio Lower Upper

105 100

134 20.4 11.0 33.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

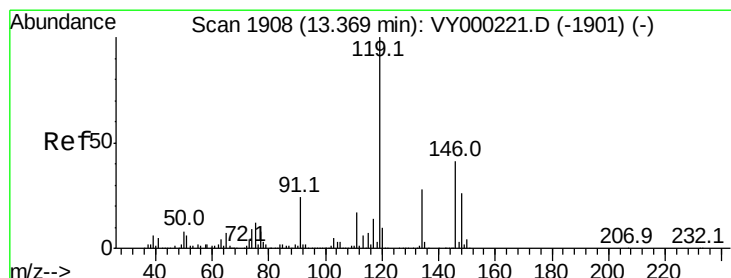
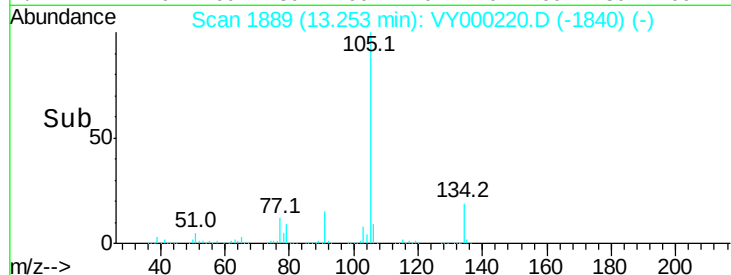
300000

200000

100000

0

Time--> 13.15 13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 26.328 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000220.D

Acq: 08 Oct 2019 13:22

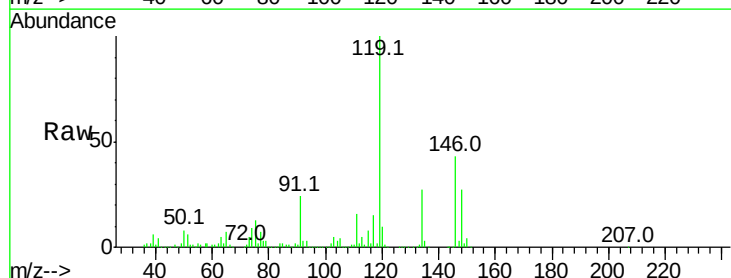
Tgt Ion:119 Resp: 379282

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

91 23.8 10.9 32.9



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

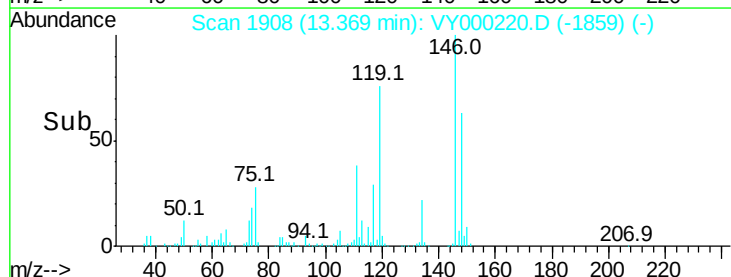
300000

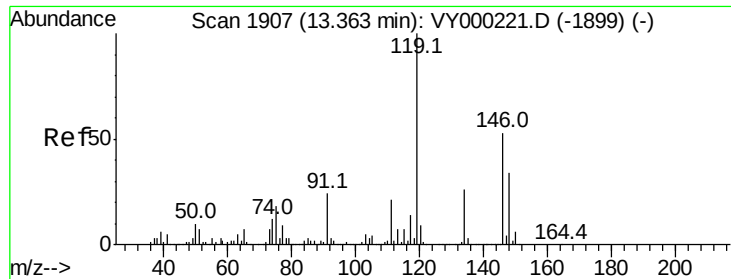
200000

100000

0

Time--> 13.30 13.35 13.40

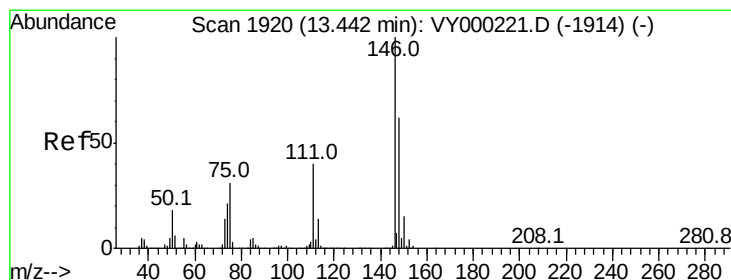
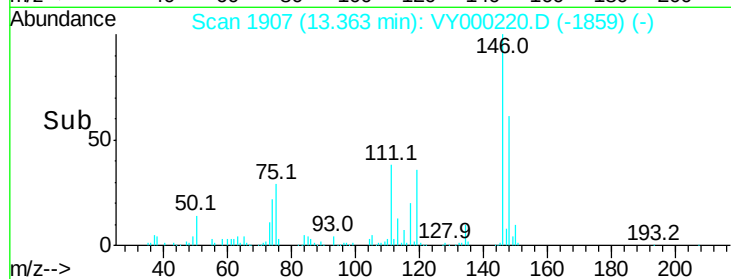
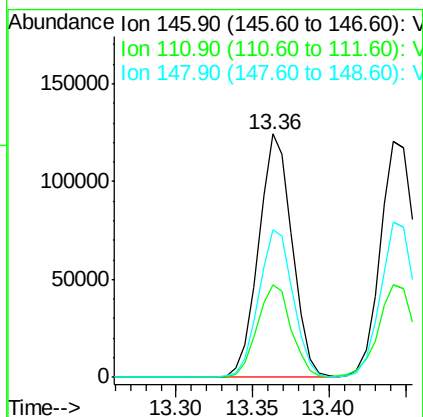
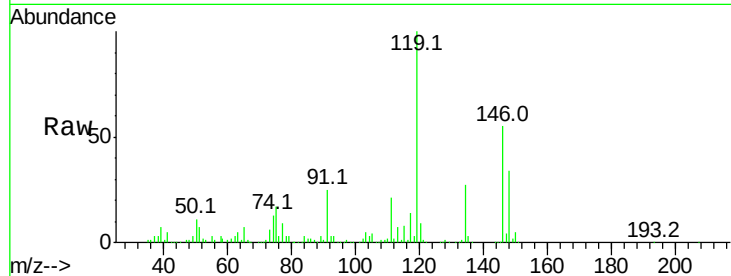




#87
 1,3-Dichlorobenzene
 Concen: 25.498 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

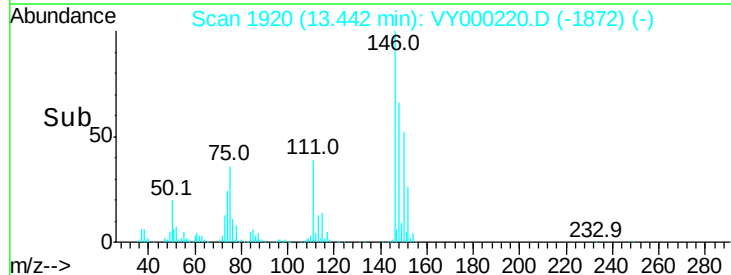
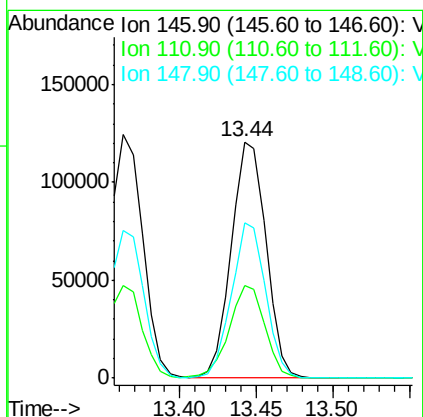
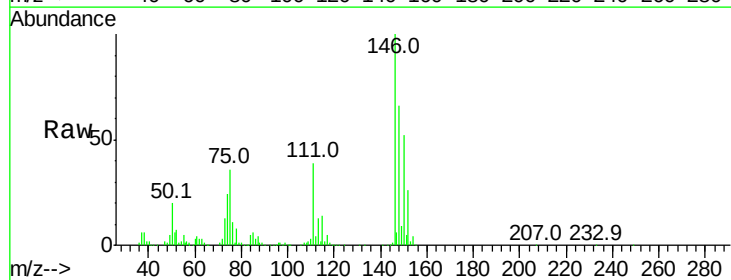
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

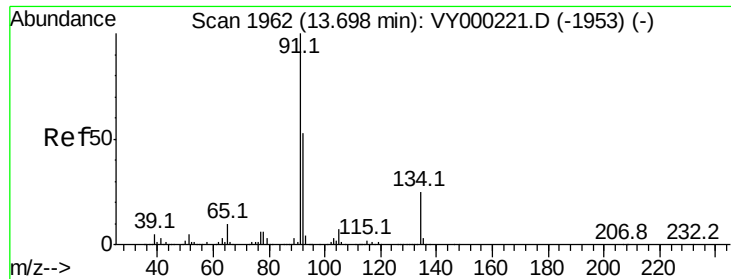
Tgt Ion:146 Resp: 189671
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.0 54.0
 148 62.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 25.338 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Tgt Ion:146 Resp: 189974
 Ion Ratio Lower Upper
 146 100
 111 40.5 18.1 54.1
 148 64.6 31.9 95.7

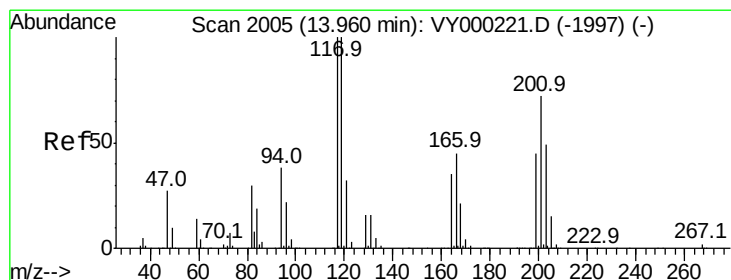
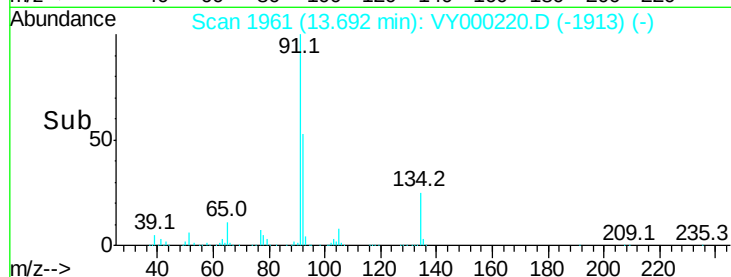
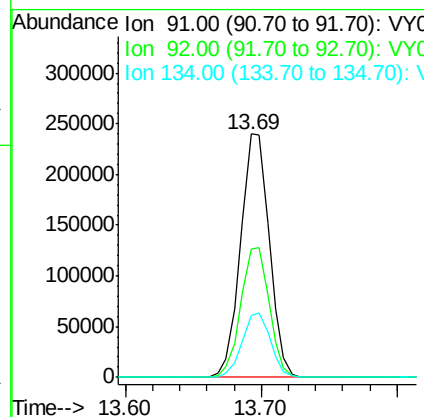
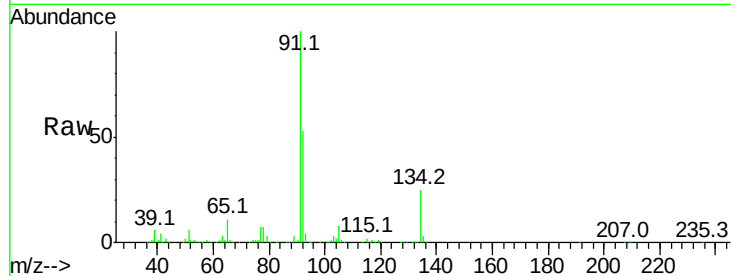




#89
n-Butylbenzene
Concen: 27.969 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

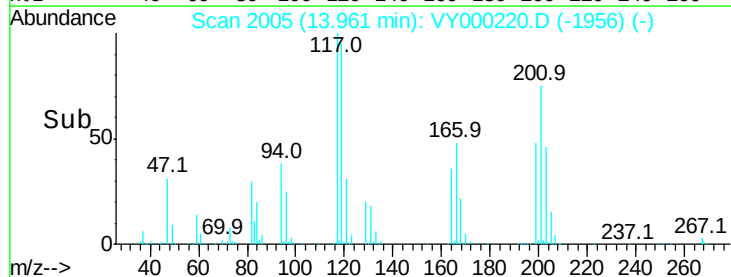
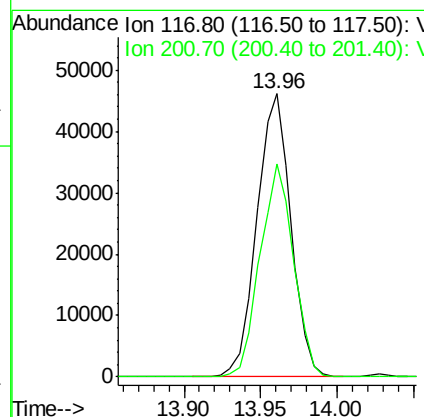
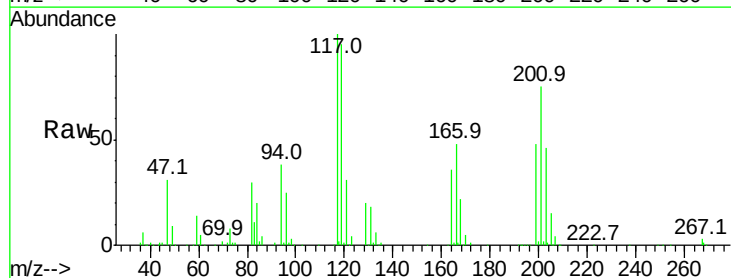
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

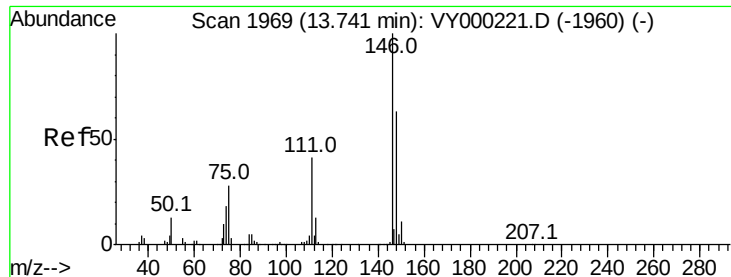
Tgt Ion: 91 Resp: 353689
Ion Ratio Lower Upper
91 100
92 52.9 27.0 81.0
134 25.9 14.6 44.0



#90
Hexachloroethane
Concen: 26.326 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

Tgt Ion: 117 Resp: 71391
Ion Ratio Lower Upper
117 100
201 74.4 41.2 123.6

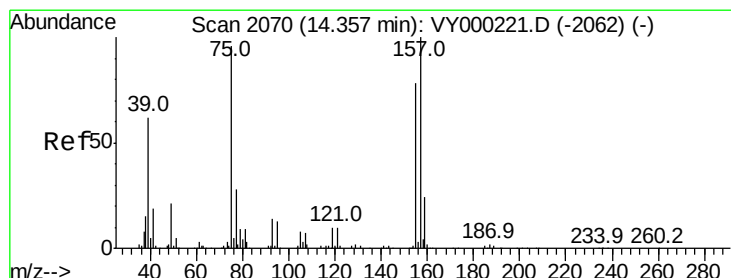
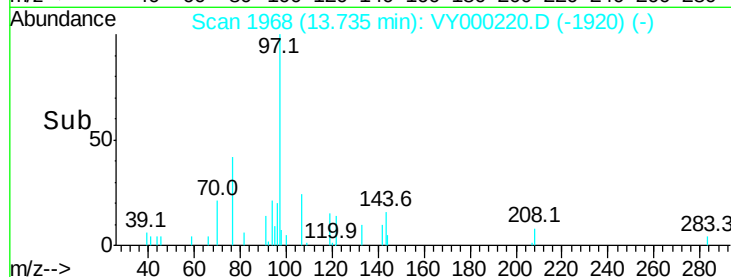
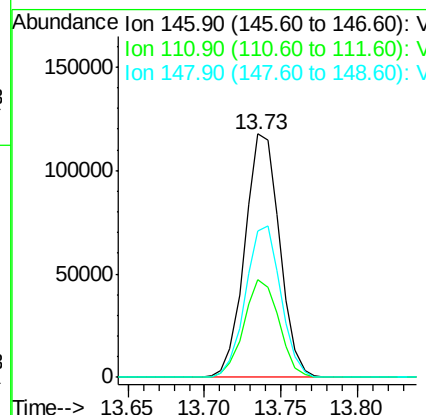
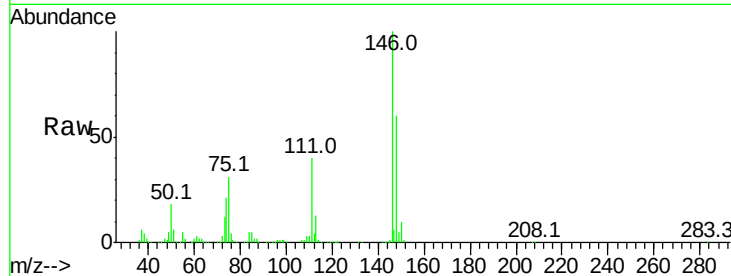




#91
 1,2-Dichlorobenzene
 Concen: 25.687 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

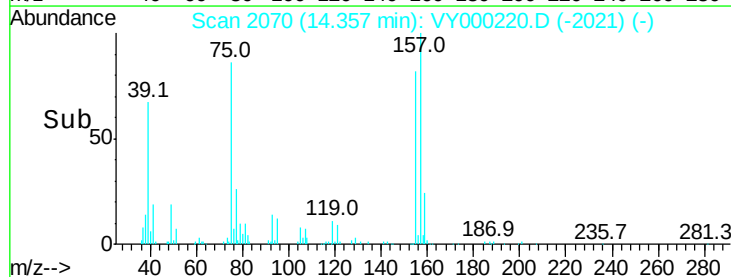
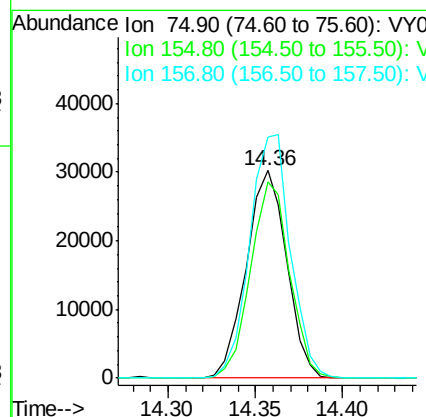
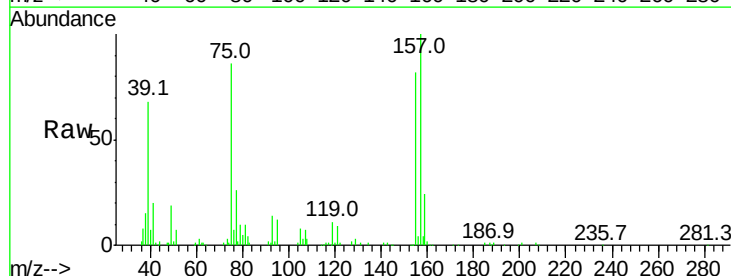
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

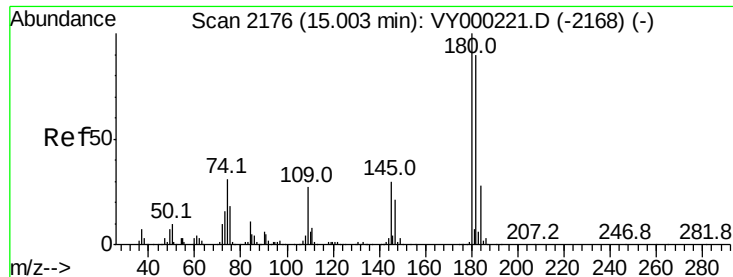
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.5	58.5
148	63.0	31.4	94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 30.480 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	52.0	156.0
157	118.1	65.8	197.3

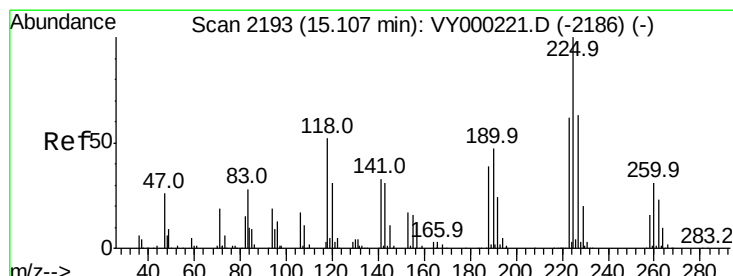
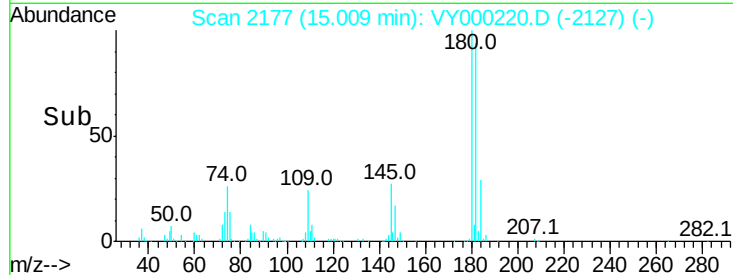
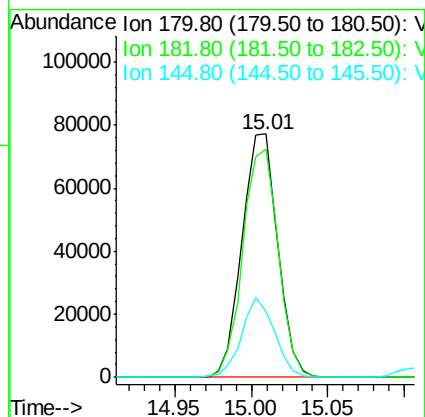
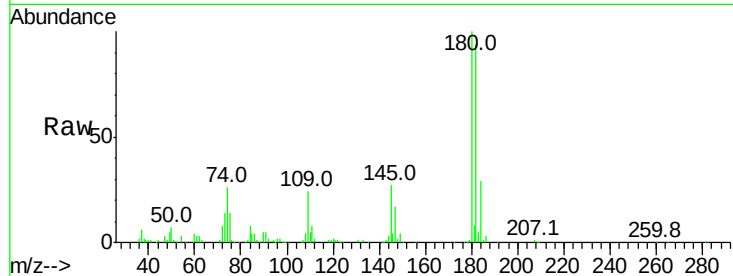




#93
 1,2,4-Trichlorobenzene
 Concen: 23.993 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

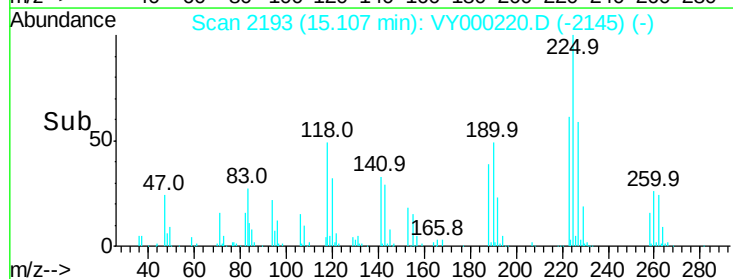
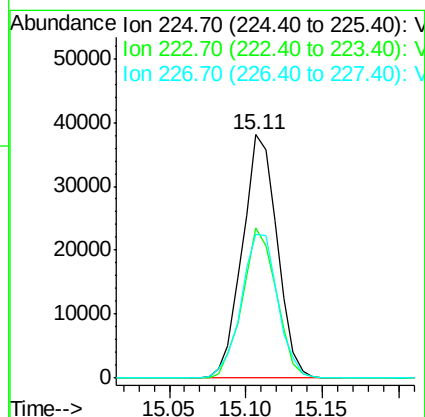
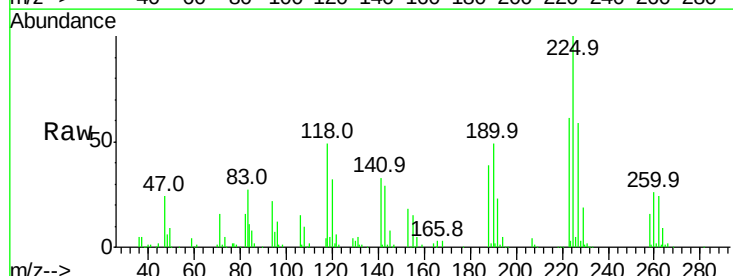
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

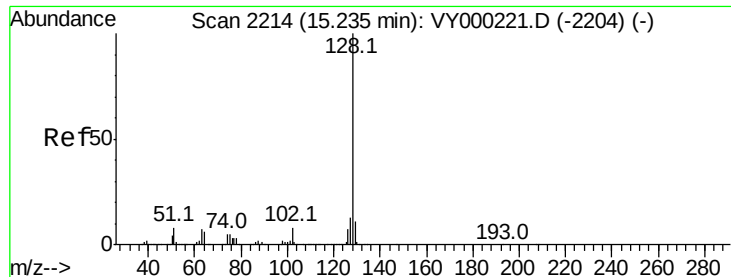
Tgt Ion:180 Resp: 124711
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.4 142.2
 145 30.4 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 21.712 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY000220.D
 Acq: 08 Oct 2019 13:22

Tgt Ion:225 Resp: 60309
 Ion Ratio Lower Upper
 225 100
 223 59.8 31.9 95.5
 227 61.8 32.5 97.5

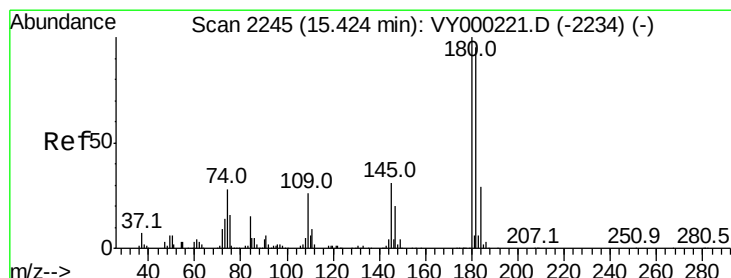
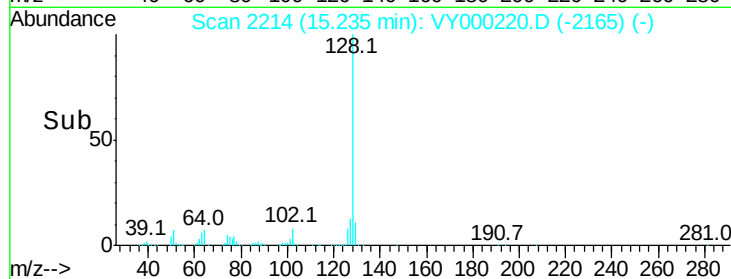
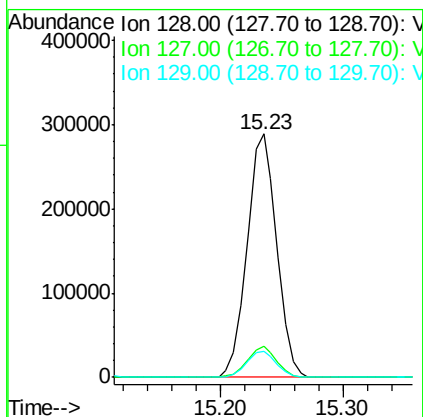
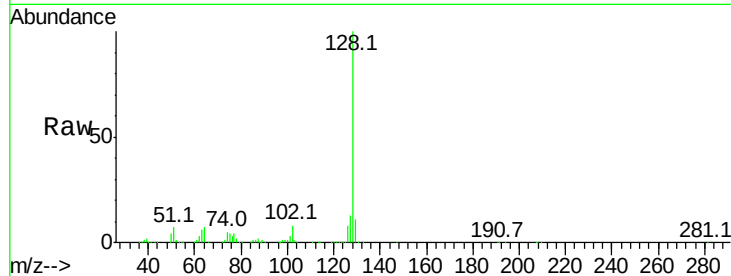




#95
Naphthalene
Concen: 27.612 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.0	15.0
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 23.961 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000220.D
Acq: 08 Oct 2019 13:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.3	144.8
145	32.4	14.9	44.9

