

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002755.D
 Acq On : 27 May 2020 11:04
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Quant Time: May 27 12:41:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	299987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	440160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	413592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	222016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	14279	6.02	ug/l	0.00
Spiked Amount			Recovery	=	12.04%	
35) Dibromofluoromethane	7.73	113	13905	5.68	ug/l	0.00
Spiked Amount			Recovery	=	11.36%	
50) Toluene-d8	10.18	98	58177	5.91	ug/l	0.00
Spiked Amount			Recovery	=	11.82%	
62) 4-Bromofluorobenzene	12.48	95	19683	5.80	ug/l	0.00
Spiked Amount			Recovery	=	11.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	12277	5.773	ug/l	99
3) Chloromethane	2.12	50	12865	5.324	ug/l	97
4) Vinyl Chloride	2.26	62	12978	5.141	ug/l	95
5) Bromomethane	2.65	94	10961	5.854	ug/l	99
6) Chloroethane	2.80	64	8389	5.191	ug/l	98
7) Trichlorofluoromethane	3.13	101	23219	5.403	ug/l	99
8) Diethyl Ether	3.54	74	9763	6.614	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	13509	5.177	ug/l	97
10) Methyl Iodide	4.10	142	16591	4.650	ug/l	99
11) Tert butyl alcohol	4.96	59	11053	45.181	ug/l	96
12) 1,1-Dichloroethene	3.88	96	13564	5.198	ug/l	98
13) Acrolein	3.74	56	7583	27.040	ug/l	100
14) Allyl chloride	4.49	41	18772	4.997	ug/l	99
15) Acrylonitrile	5.17	53	19034	28.278	ug/l	98
16) Acetone	3.96	43	16048	31.920	ug/l	94
17) Carbon Disulfide	4.20	76	41917	5.163	ug/l	99
18) Methyl Acetate	4.49	43	10998	7.894	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	35653	5.436	ug/l	100
20) Methylene Chloride	4.72	84	17544	6.020	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	15148	5.219	ug/l	97
22) Diisopropyl ether	6.13	45	37932	5.074	ug/l	96
23) Vinyl Acetate	6.07	43	115428	23.931	ug/l	98
24) 1,1-Dichloroethane	6.03	63	22674	5.085	ug/l	97
25) 2-Butanone	7.00	43	24876	30.321	ug/l	96
26) 2,2-Dichloropropane	6.99	77	23960	5.745	ug/l	94
27) cis-1,2-Dichloroethene	7.00	96	16870	5.358	ug/l	96
28) Bromochloromethane	7.35	49	8908	4.996	ug/l	99
29) Tetrahydrofuran	7.36	42	15877	28.741	ug/l	99
30) Chloroform	7.52	83	23367	5.037	ug/l	96
31) Cyclohexane	7.78	56	26302	5.843	ug/l #	89
32) 1,1,1-Trichloroethane	7.71	97	23241	5.413	ug/l	98
36) 1,1-Dichloropropene	7.92	75	19690	5.309	ug/l	99
37) Ethyl Acetate	7.08	43	9798	5.315	ug/l #	94
38) Carbon Tetrachloride	7.90	117	21173	5.303	ug/l	96

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 Data File : VY002755.D
 Acq On : 27 May 2020 11:04
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Quant Time: May 27 12:41:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	26008	5.245	ug/l	97
40) Benzene	8.17	78	57156	5.281	ug/l	98
41) Methacrylonitrile	7.35	41	14486	13.464	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	15933	5.542	ug/l	98
43) Isopropyl Acetate	8.28	43	18918	5.495	ug/l	97
44) Trichloroethene	8.94	130	18321	5.319	ug/l	99
45) 1,2-Dichloropropane	9.22	63	13585	5.265	ug/l	95
46) Dibromomethane	9.31	93	7830	5.379	ug/l	98
47) Bromodichloromethane	9.50	83	18142	5.126	ug/l	98
48) Methyl methacrylate	9.30	41	8665	5.488	ug/l	97
49) 1,4-Dioxane	9.30	88	2534	124.741	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	50623	28.380	ug/l	99
52) Toluene	10.25	92	37111	5.283	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	19956	5.258	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	22796	5.205	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	12234	5.599	ug/l	93
56) Ethyl methacrylate	10.51	69	15358	5.298	ug/l	99
57) 1,3-Dichloropropane	10.79	76	20104	5.530	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	40804	28.661	ug/l	98
59) 2-Hexanone	10.83	43	34887	27.920	ug/l	96
60) Dibromochloromethane	10.99	129	15144	5.452	ug/l	100
61) 1,2-Dibromoethane	11.09	107	11968	5.569	ug/l	98
64) Tetrachloroethene	10.72	164	20329	5.240	ug/l	96
65) Chlorobenzene	11.52	112	42832	5.362	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	15879	5.336	ug/l	100
67) Ethyl Benzene	11.59	91	74394	5.317	ug/l	96
68) m/p-Xylenes	11.70	106	56930	10.456	ug/l	100
69) o-Xylene	12.03	106	26677	5.212	ug/l	99
70) Styrene	12.05	104	44947	5.108	ug/l	99
71) Bromoform	12.20	173	10404	5.606	ug/l #	99
73) Isopropylbenzene	12.33	105	74581	5.176	ug/l	99
74) N-amyl acetate	12.14	43	17417	5.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	12588	5.754	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	19228	10.468	ug/l #	100
77) Bromobenzene	12.61	156	19937	5.501	ug/l	95
78) n-propylbenzene	12.67	91	86374	5.153	ug/l	99
79) 2-Chlorotoluene	12.75	91	48339	5.193	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	61958	5.116	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	5278	5.388	ug/l	97
82) 4-Chlorotoluene	12.85	91	50402	5.154	ug/l	100
83) tert-Butylbenzene	13.08	119	54993	5.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	62628	5.166	ug/l	99
85) sec-Butylbenzene	13.25	105	77534	5.242	ug/l	99
86) p-Isopropyltoluene	13.37	119	70216	5.078	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	37502	5.366	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	38467	5.529	ug/l	96
89) n-Butylbenzene	13.70	91	64466	5.076	ug/l	100
90) Hexachloroethane	13.96	117	12813	4.990	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	33456	5.323	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2414	5.746	ug/l	96

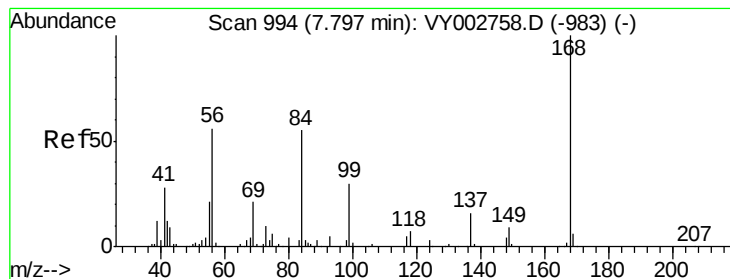
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
Data File : VY002755.D
Acq On : 27 May 2020 11:04
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: May 27 12:41:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
Quant Title : SW846 8260
QLast Update : Wed May 27 12:34:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	26108	5.366	ug/l	100
94) Hexachlorobutadiene	15.11	225	14356	4.909	ug/l	100
95) Naphthalene	15.23	128	50049	5.677	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	23008	5.417	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

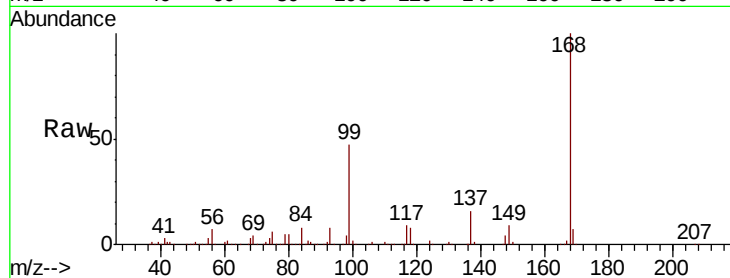
VSTDIC005

Tot Ion:168 Resp: 299987

Ion Ratio Lower Upper

168 100

99 47.3 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002755.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002755.D (-945) (-)

7.80

150000

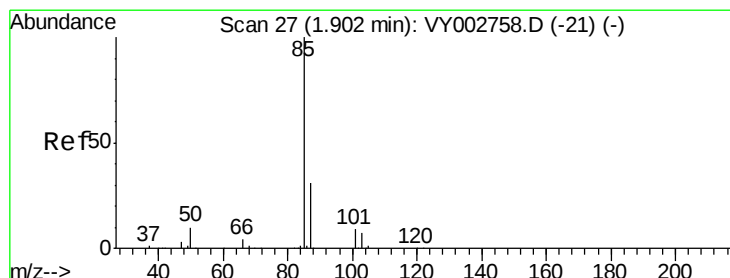
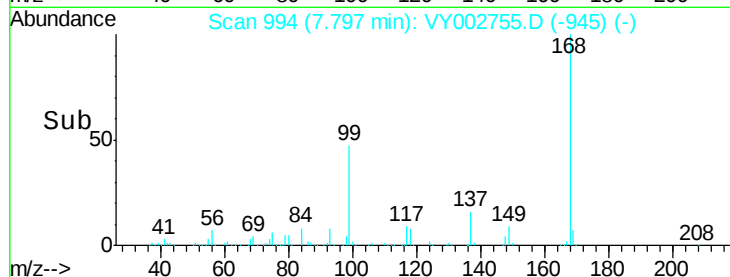
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 5.773 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY002755.D

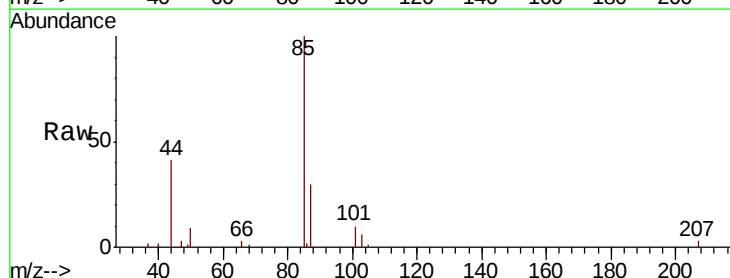
Acq: 27 May 2020 11:04

Tgt Ion: 85 Resp: 12277

Ion Ratio Lower Upper

85 100

87 30.3 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY002755.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002755.D (-1) (-)

1.90

10000

8000

6000

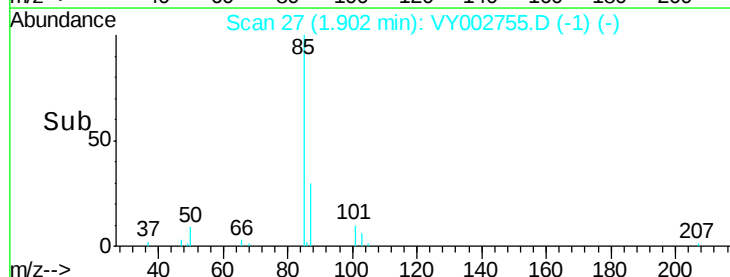
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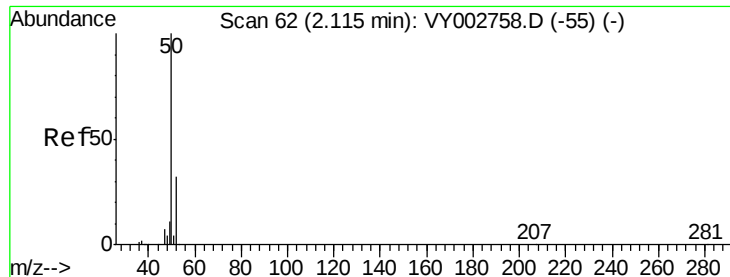
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 5.324 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

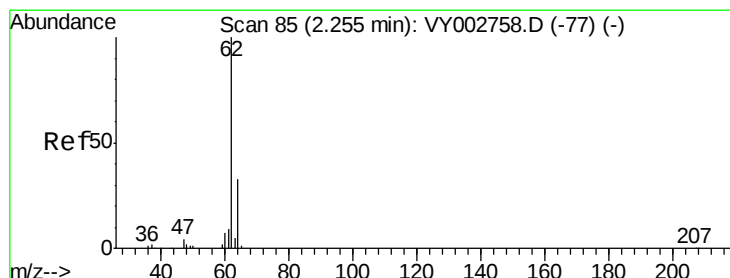
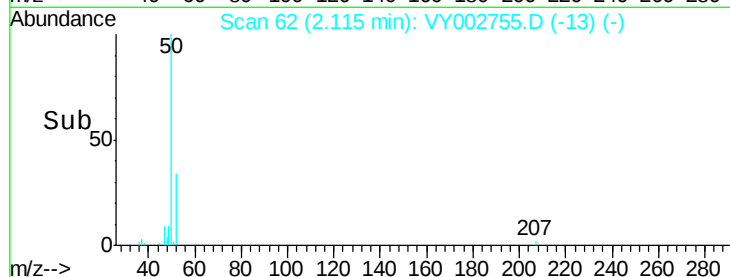
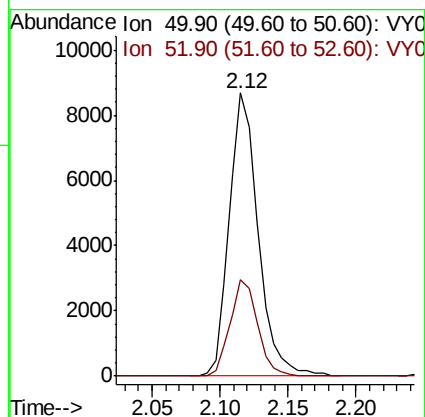
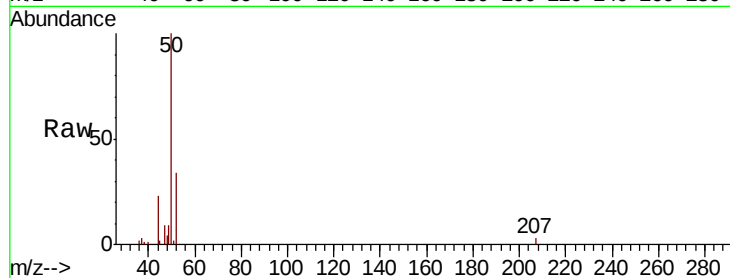
VSTDIC005

Tot Ion: 50 Resp: 12865

Ion Ratio Lower Upper

50 100

52 34.0 25.8 38.6



#4

Vinyl Chloride

Concen: 5.141 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002755.D

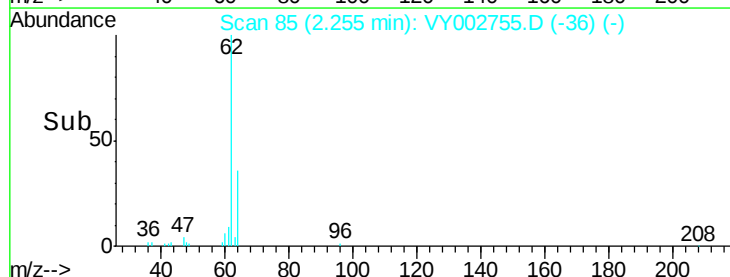
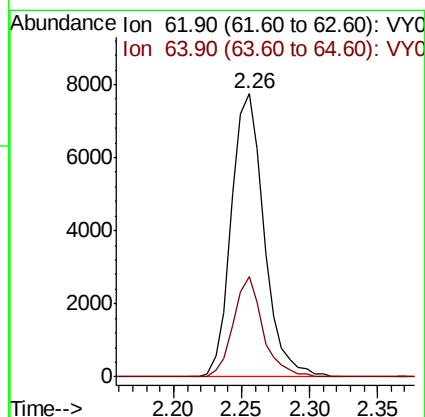
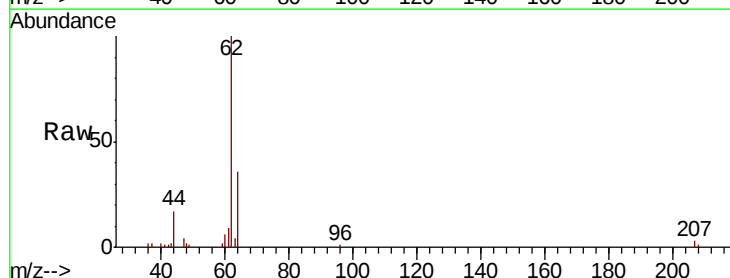
Acq: 27 May 2020 11:04

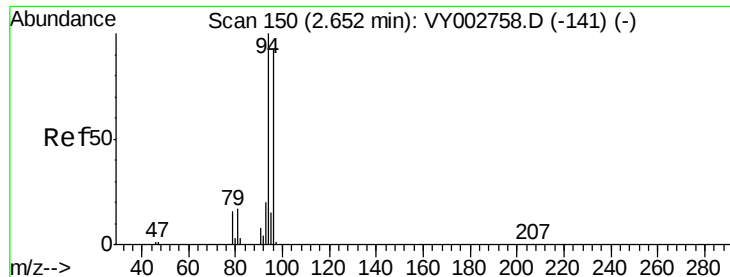
Tgt Ion: 62 Resp: 12978

Ion Ratio Lower Upper

62 100

64 35.5 26.1 39.1





#5

Bromomethane

Concen: 5.854 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

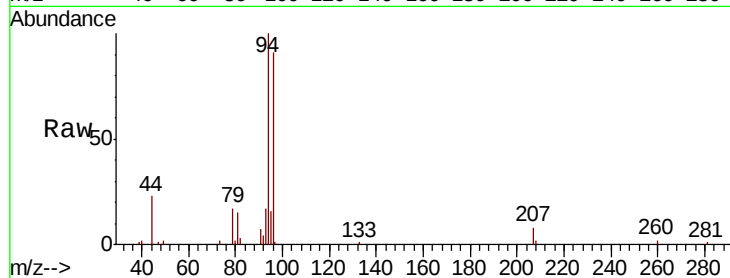
VSTDIC005

Tot Ion: 94 Resp: 10961

Ion Ratio Lower Upper

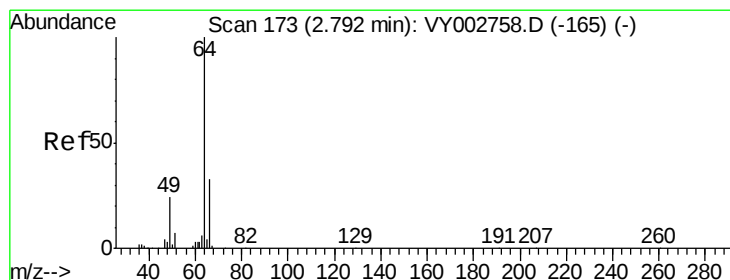
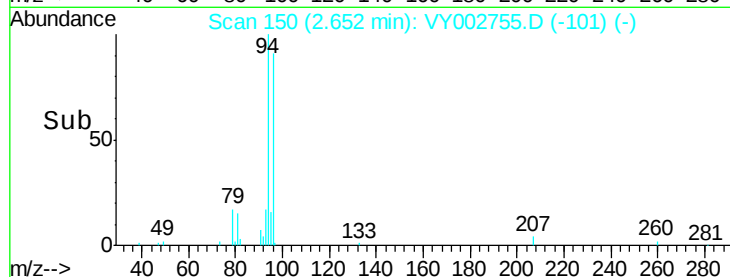
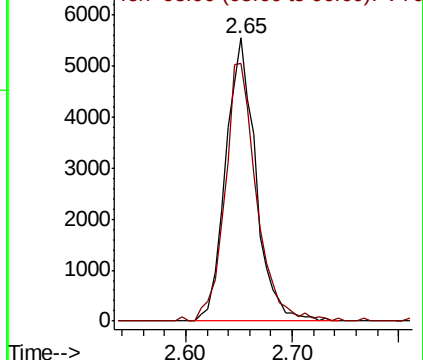
94 100

96 91.2 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.191 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002755.D

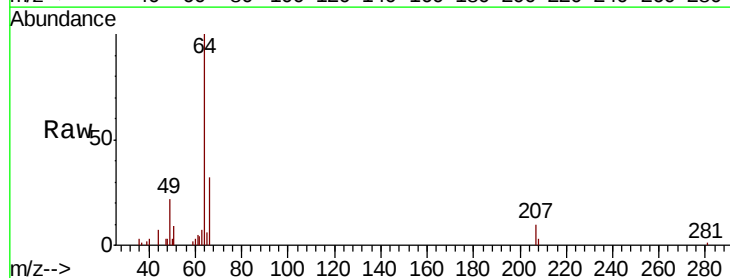
Acq: 27 May 2020 11:04

Tgt Ion: 64 Resp: 8389

Ion Ratio Lower Upper

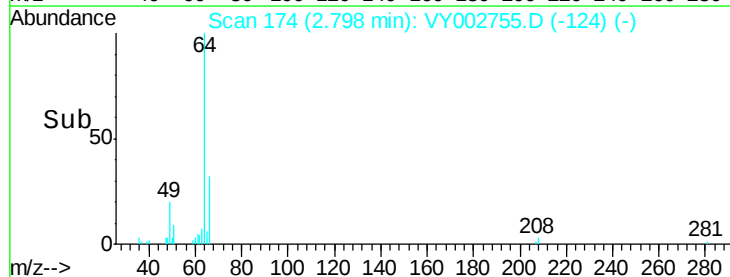
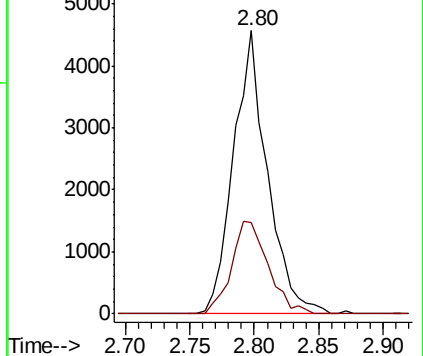
64 100

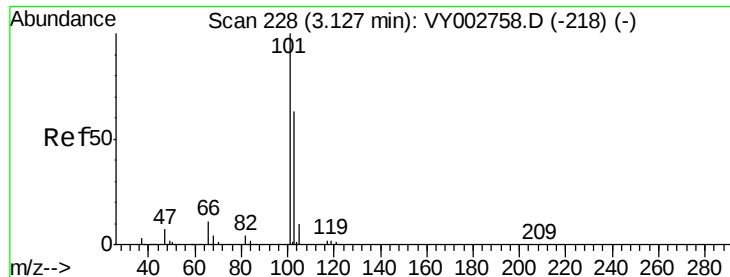
66 32.1 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



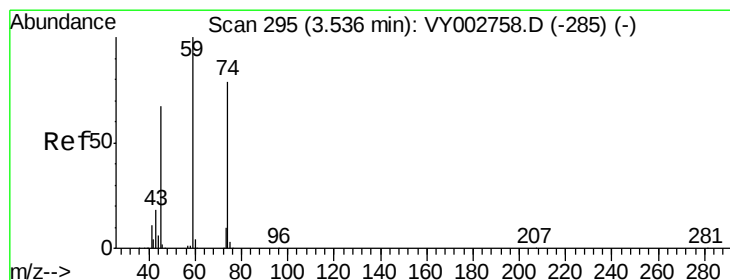
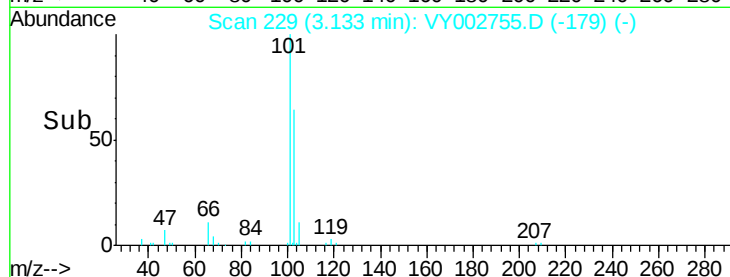
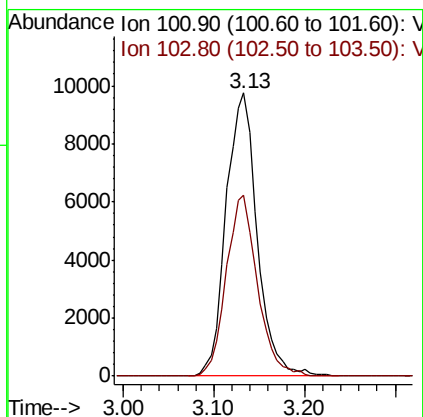
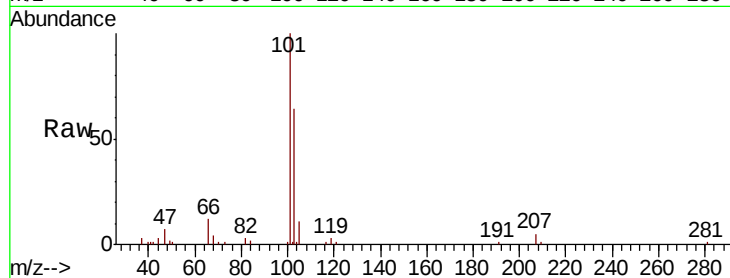


#7

Trichlorofluoromethane
 Concen: 5.403 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

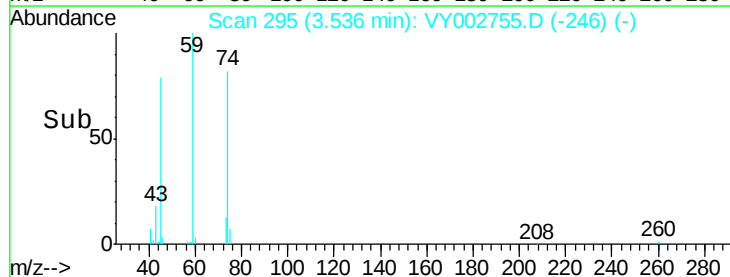
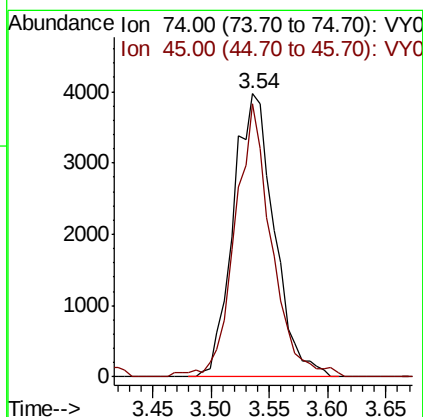
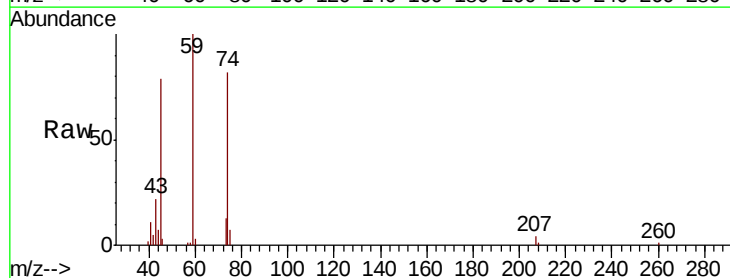
Tot Ion:101 Resp: 23219
 Ion Ratio Lower Upper
 101 100
 103 63.9 50.6 76.0

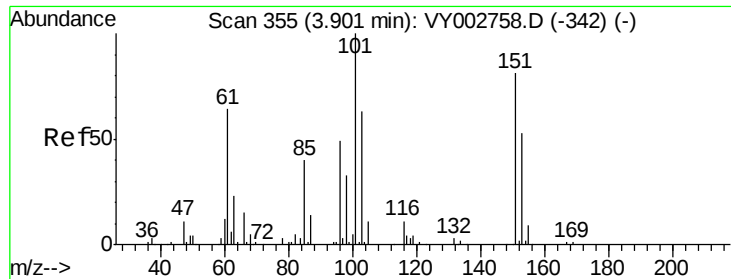


#8

Diethyl Ether
 Concen: 6.614 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion: 74 Resp: 9763
 Ion Ratio Lower Upper
 74 100
 45 86.2 44.0 131.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.177 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

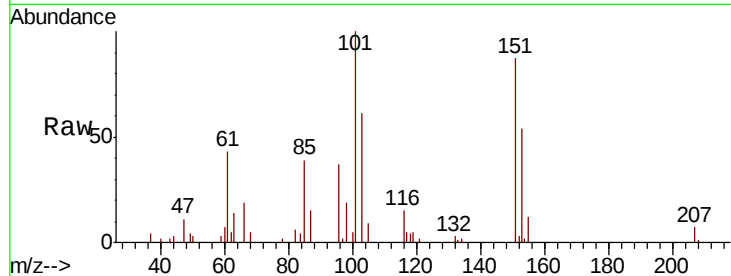
Tot Ion:101 Resp: 13509

Ion Ratio Lower Upper

101 100

85 40.3 32.7 49.1

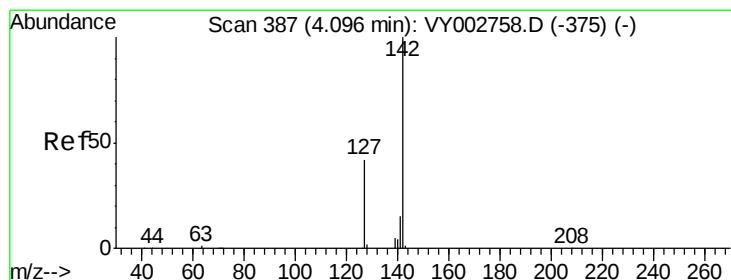
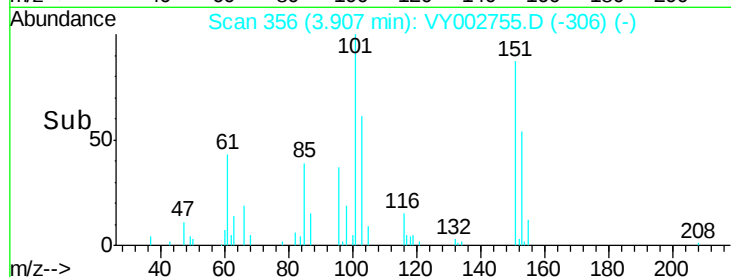
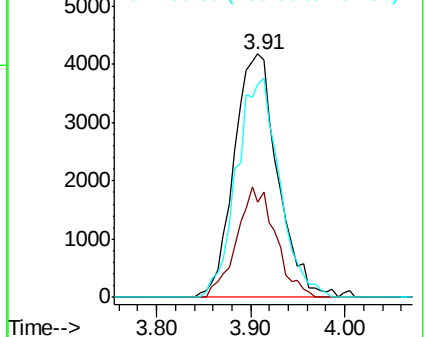
151 89.0 68.0 102.0



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: 4.650 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

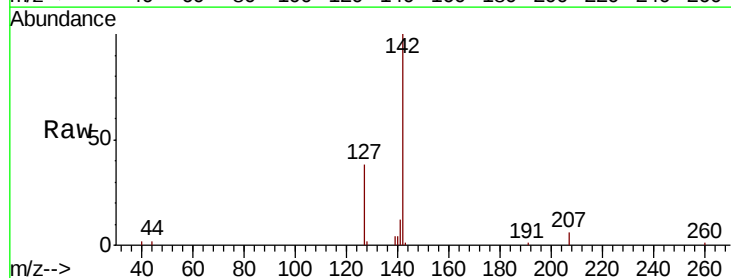
Tgt Ion:142 Resp: 16591

Ion Ratio Lower Upper

142 100

127 41.5 33.3 49.9

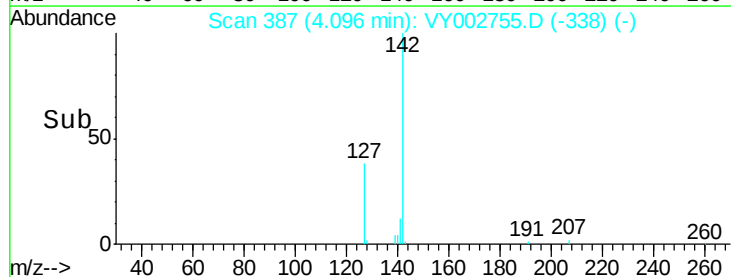
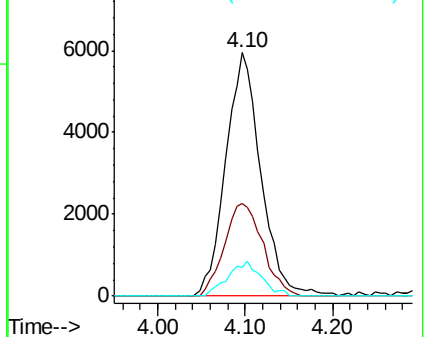
141 13.6 11.5 17.3

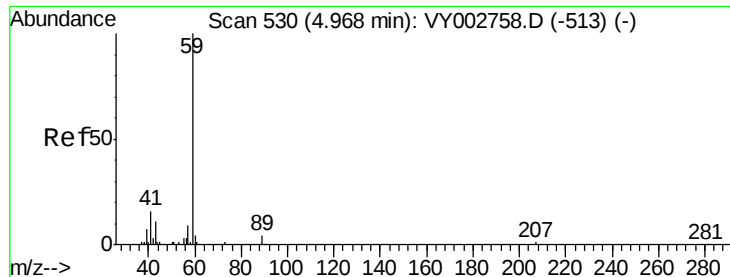


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



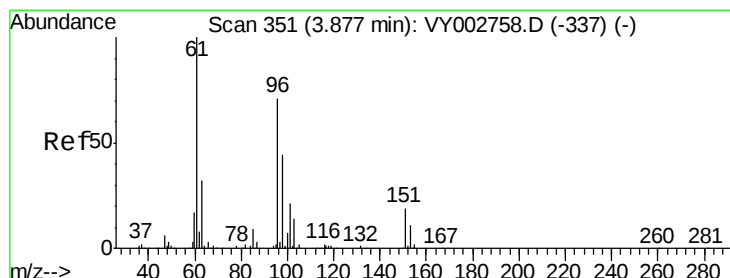
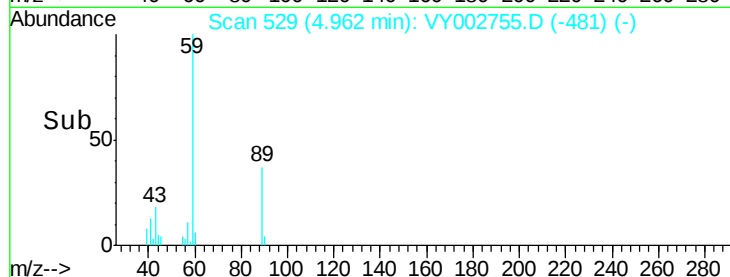
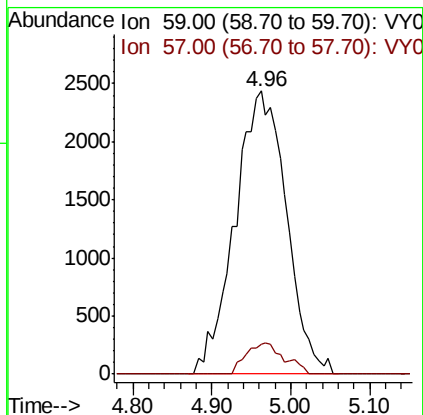
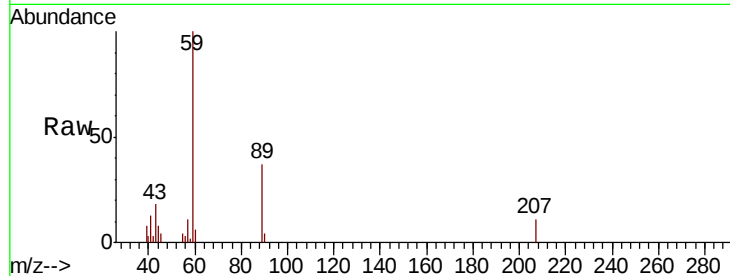


#11

Tert butyl alcohol
 Concen: 45.181 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

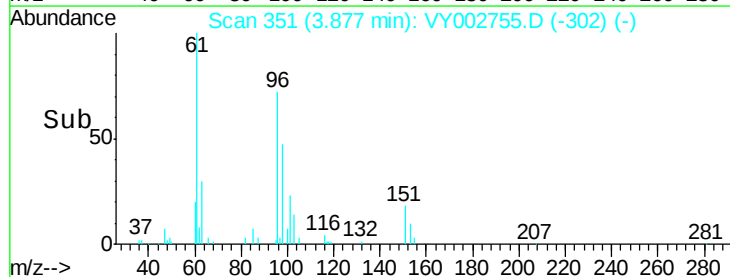
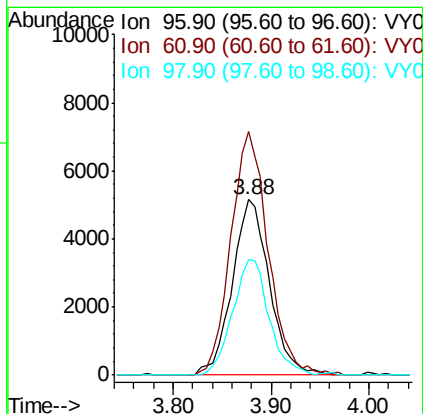
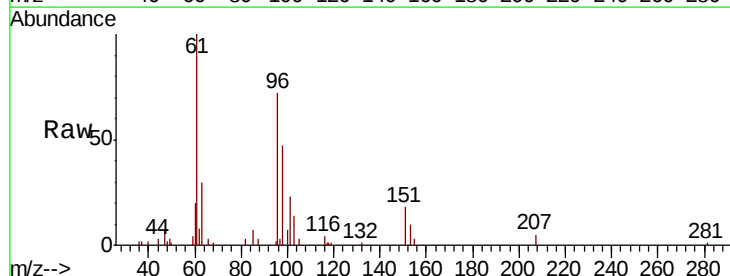
Tot Ion: 59 Resp: 11053
 Ion Ratio Lower Upper
 59 100
 57 8.1 7.7 11.5

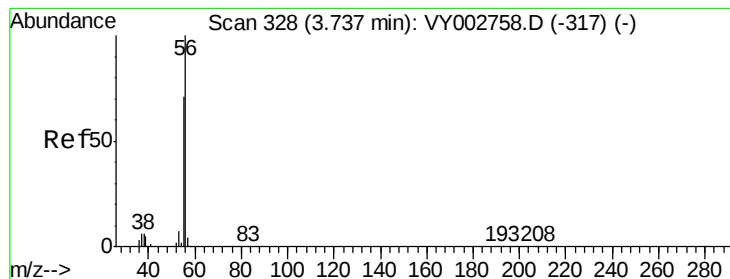


#12

1,1-Dichloroethene
 Concen: 5.198 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion: 96 Resp: 13564
 Ion Ratio Lower Upper
 96 100
 61 138.9 112.6 168.8
 98 65.8 50.0 75.0





#13

Acrolein

Concen: 27.040 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

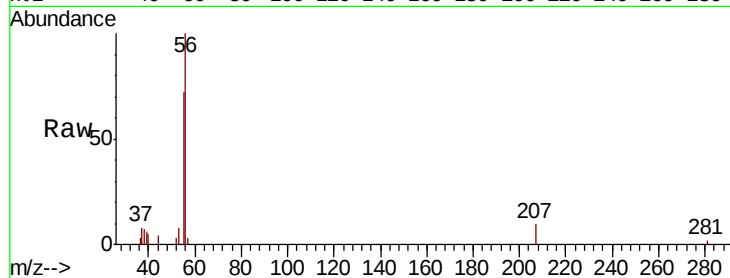
VSTDIC005

Tot Ion: 56 Resp: 7583

Ion Ratio Lower Upper

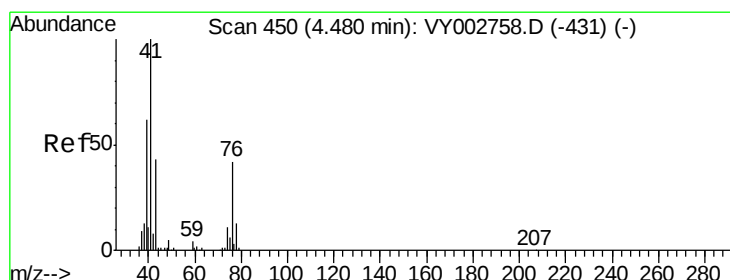
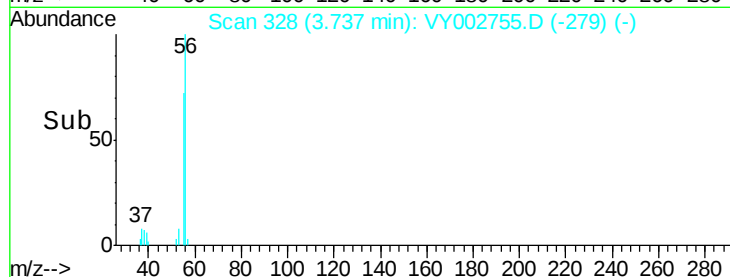
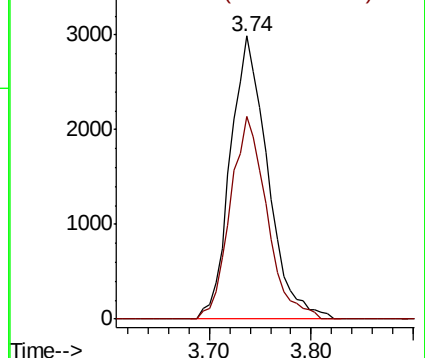
56 100

55 70.4 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 4.997 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

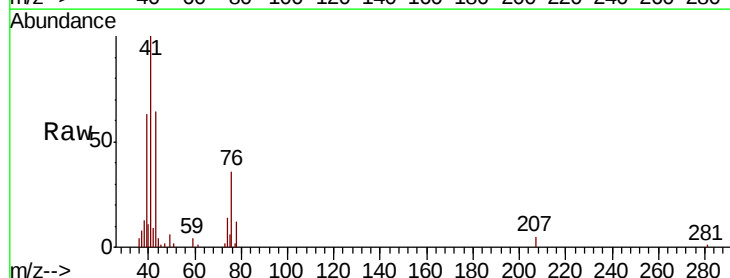
Tgt Ion: 41 Resp: 18772

Ion Ratio Lower Upper

41 100

39 63.1 49.9 74.9

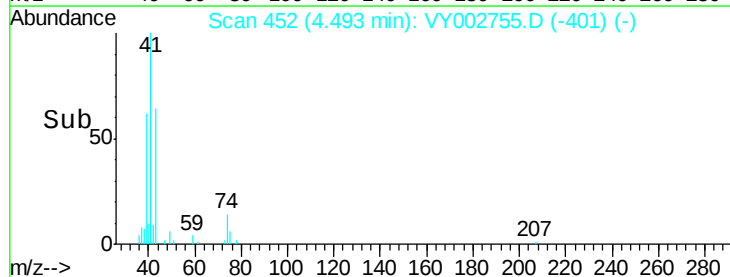
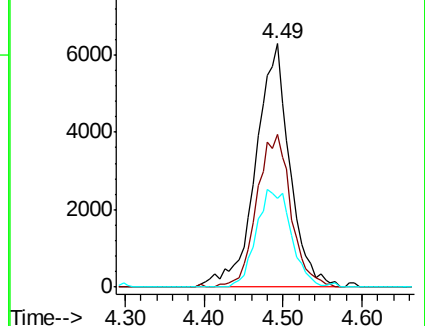
76 41.4 33.2 49.8

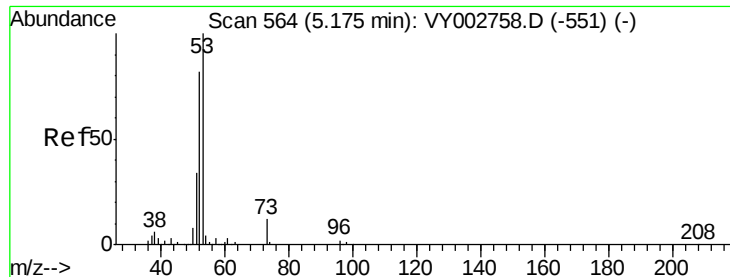


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 28.278 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

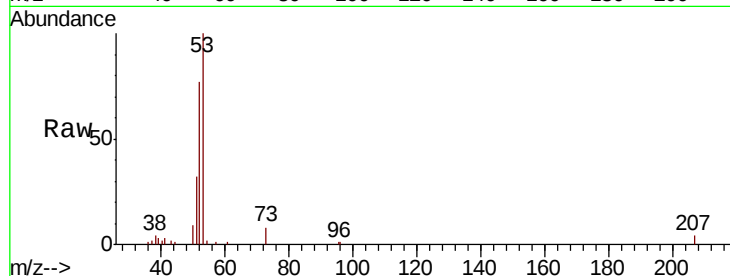
Tot Ion: 53 Resp: 19034

Ion Ratio Lower Upper

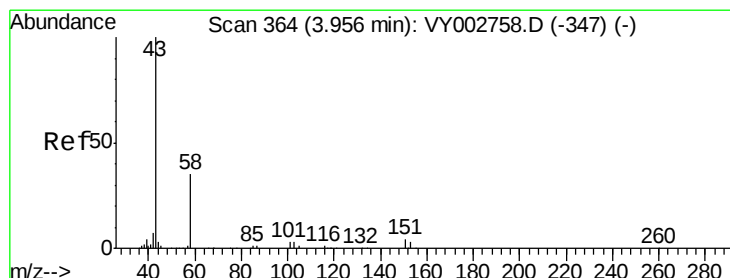
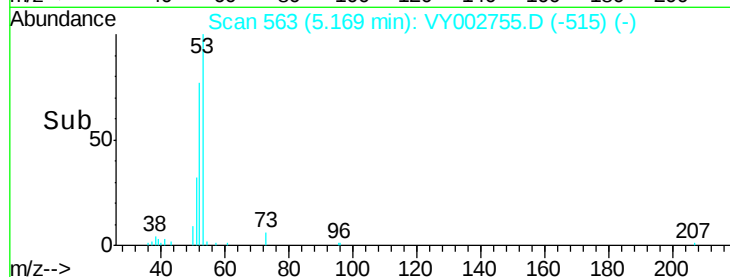
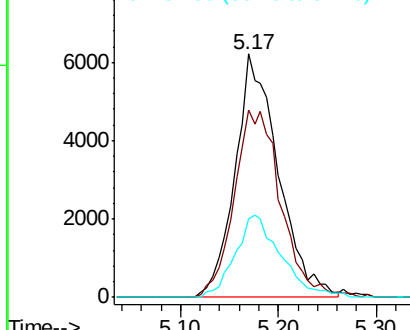
53 100

52 83.1 65.3 97.9

51 36.0 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 31.920 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002755.D

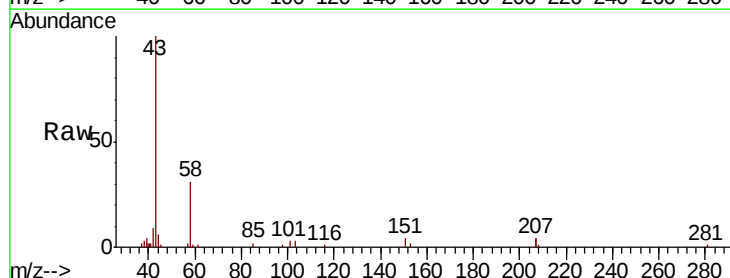
Acq: 27 May 2020 11:04

Tgt Ion: 43 Resp: 16048

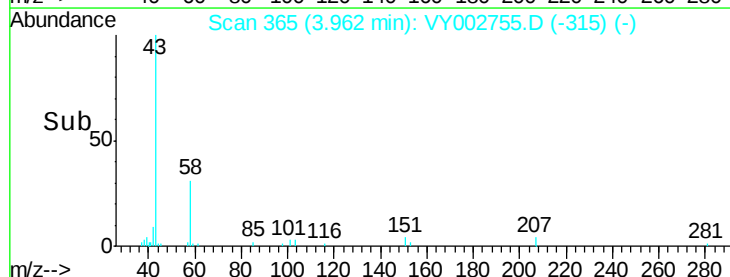
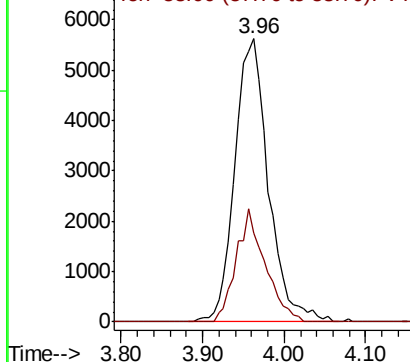
Ion Ratio Lower Upper

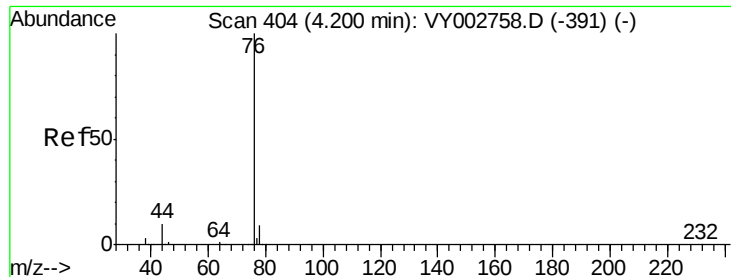
43 100

58 31.3 27.7 41.5



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





#17

Carbon Disulfide

Concen: 5.163 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

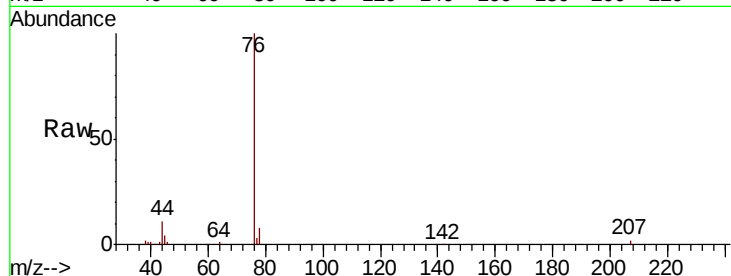
VSTDIC005

Tot Ion: 76 Resp: 41917

Ion Ratio Lower Upper

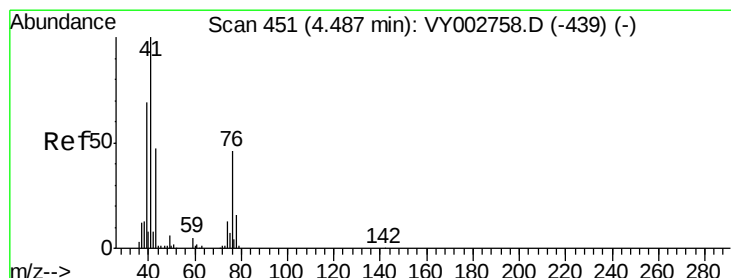
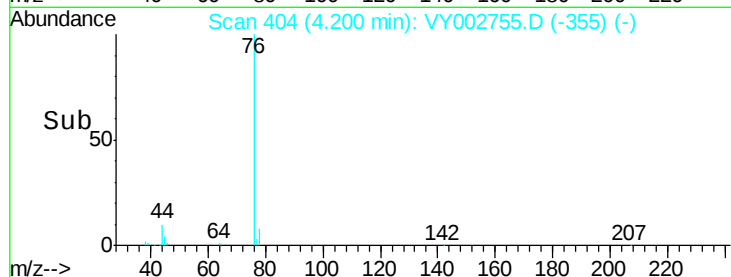
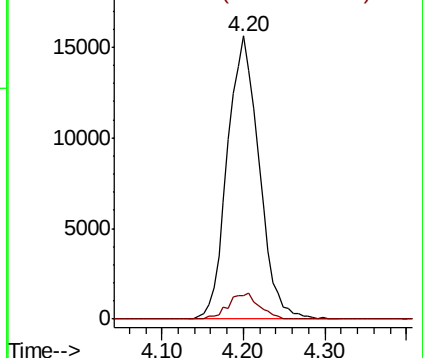
76 100

78 8.2 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 7.894 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002755.D

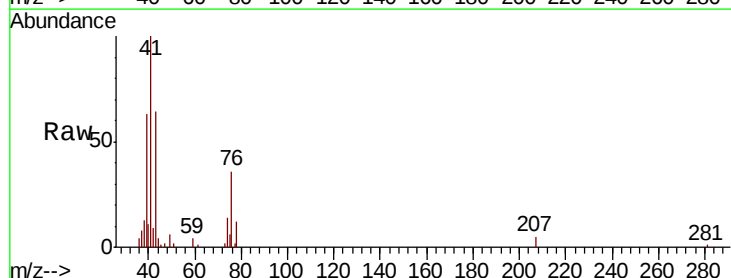
Acq: 27 May 2020 11:04

Tgt Ion: 43 Resp: 10998

Ion Ratio Lower Upper

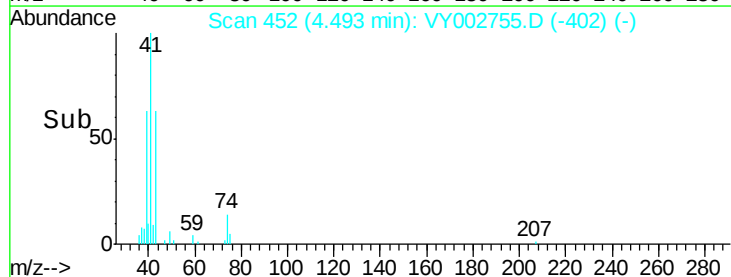
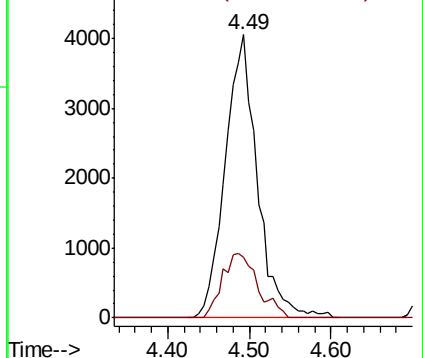
43 100

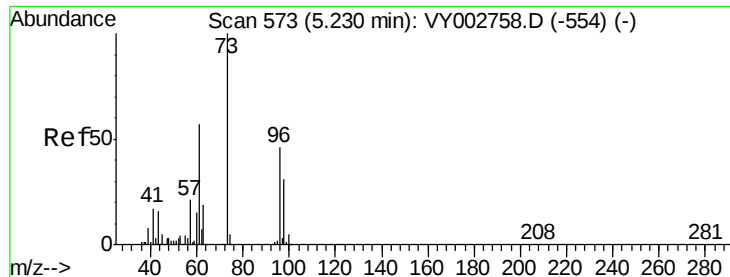
74 25.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



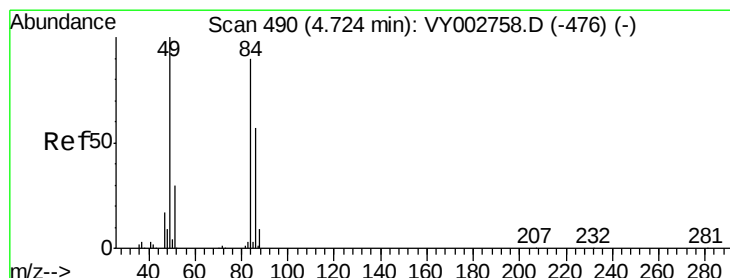
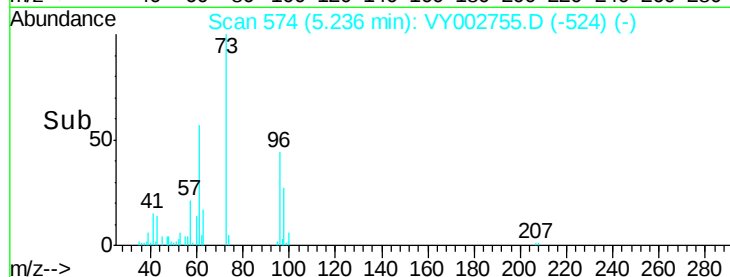
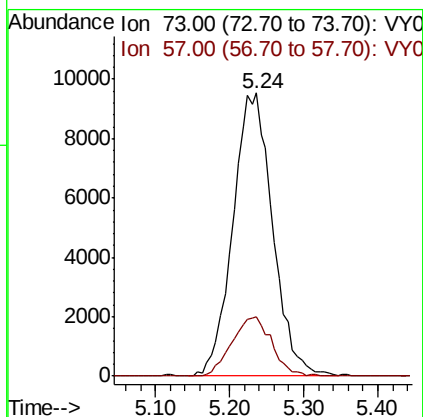
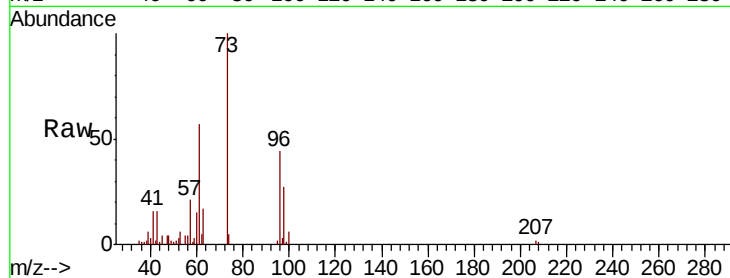


#19

Methyl tert-butyl Ether
 Concen: 5.436 ug/l
 RT: 5.24 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDIC005

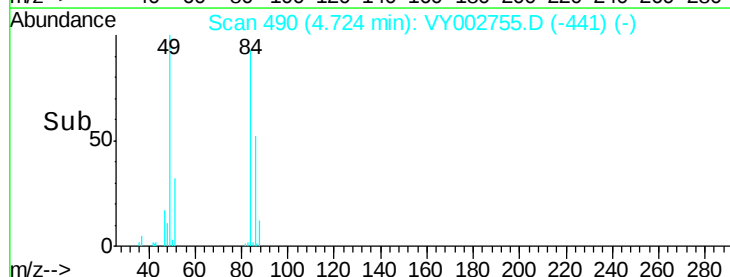
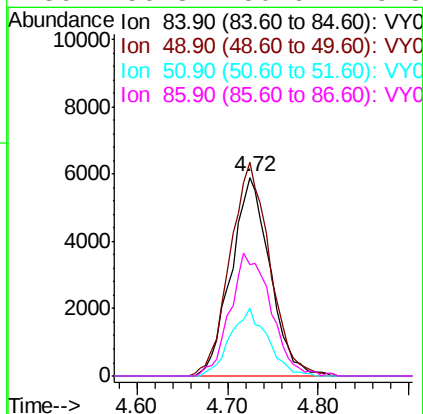
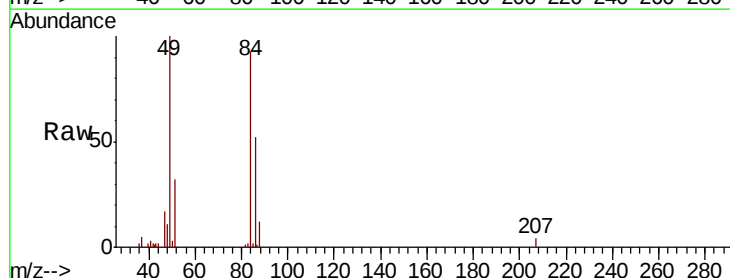
Tot Ion: 73 Resp: 35653
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.0 25.4

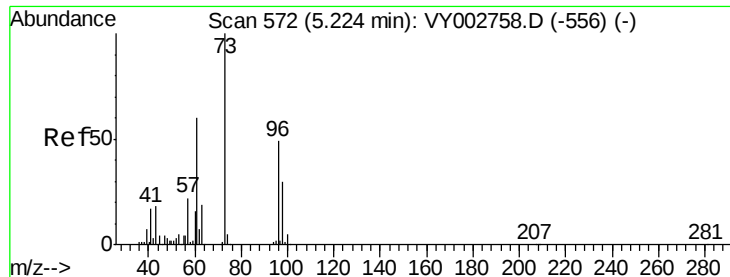


#20

Methylene Chloride
 Concen: 6.020 ug/l
 RT: 4.72 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion: 84 Resp: 17544
 Ion Ratio Lower Upper
 84 100
 49 107.4 88.5 132.7
 51 33.9 26.8 40.2
 86 56.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 5.219 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

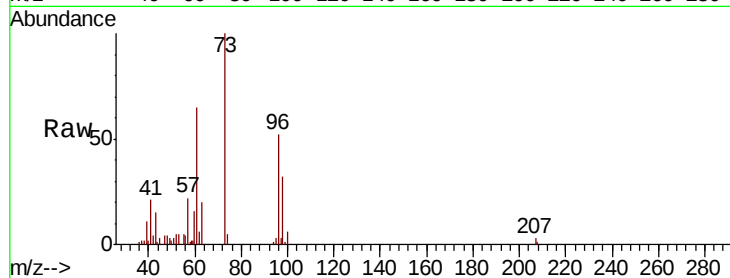
Tot Ion: 96 Resp: 15148

Ion Ratio Lower Upper

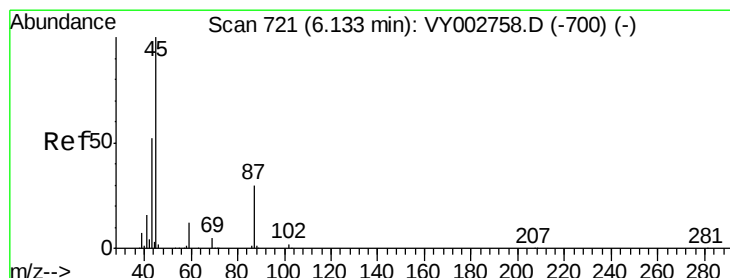
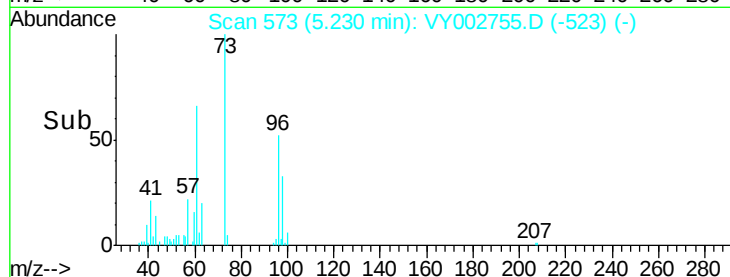
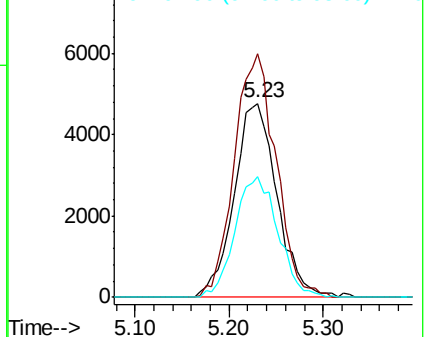
96 100

61 125.7 96.8 145.2

98 62.1 49.4 74.0



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



#22

Diisopropyl ether

Concen: 5.074 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Tgt Ion: 45 Resp: 37932

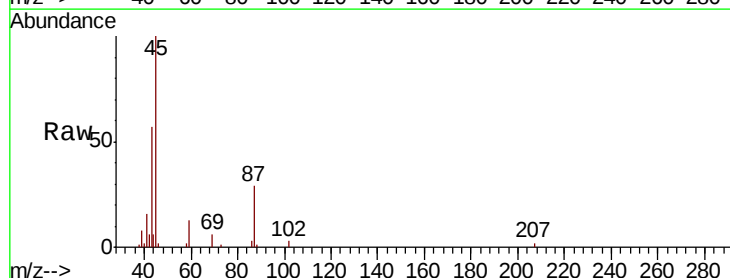
Ion Ratio Lower Upper

45 100

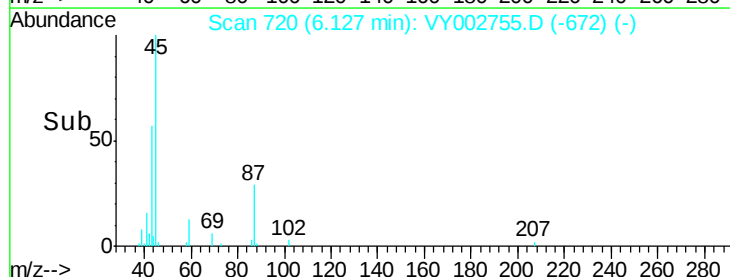
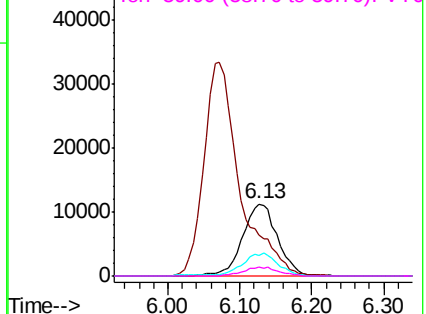
43 56.7 41.7 62.5

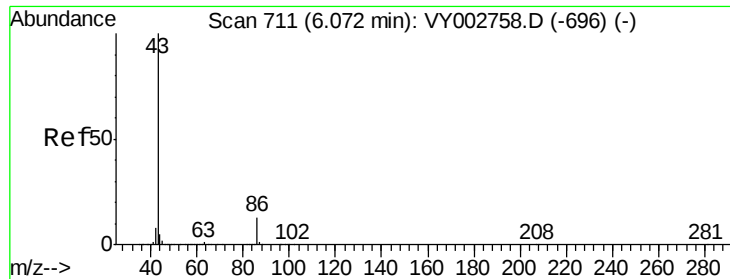
87 29.1 24.2 36.2

59 13.0 9.8 14.8



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

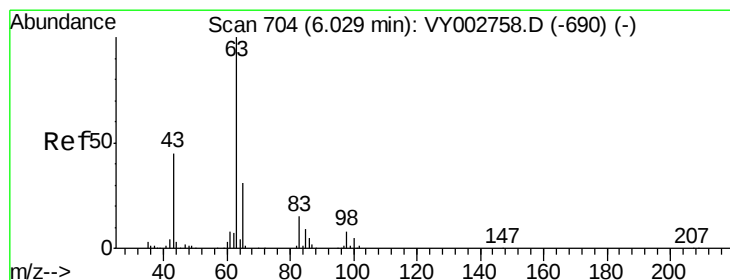
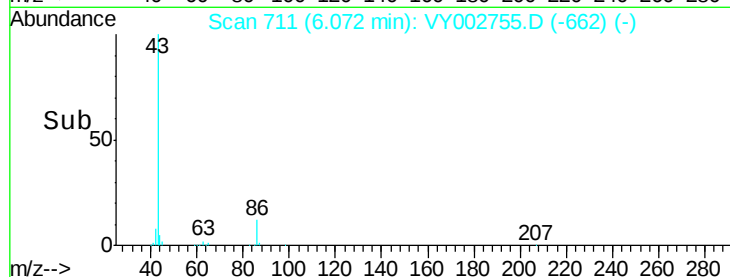
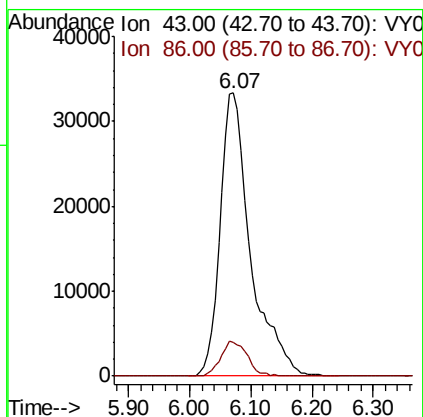
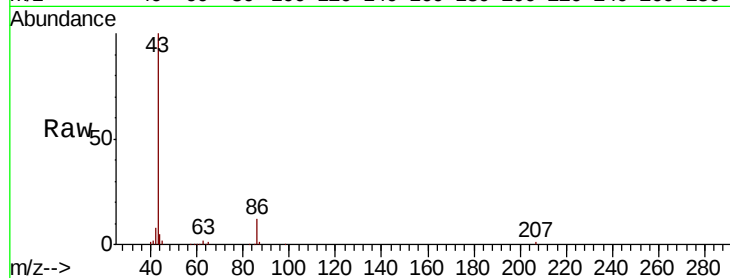




#23
 Vinyl Acetate
 Concen: 23.931 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

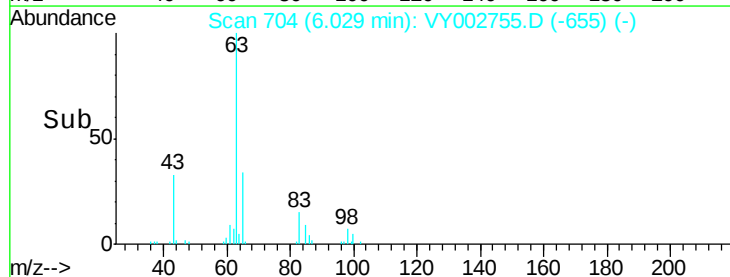
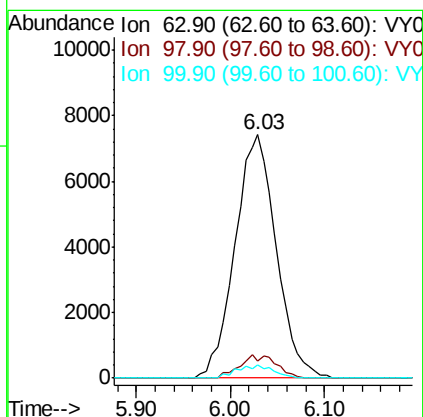
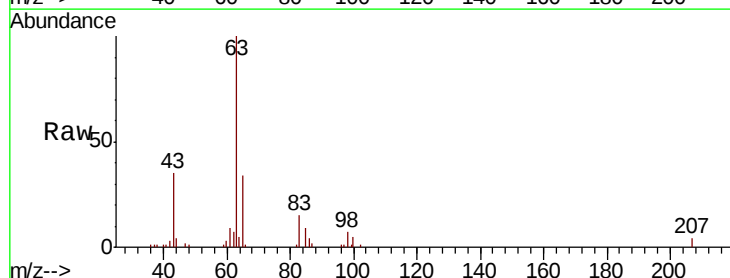
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

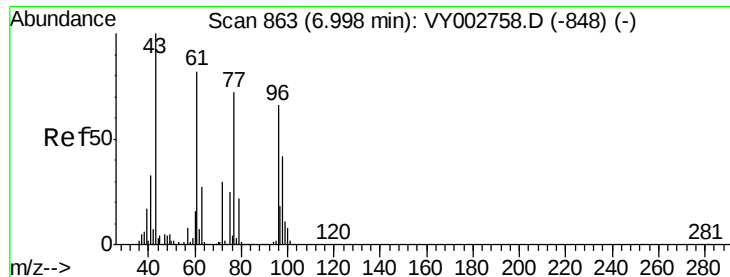
Tot Ion: 43 Resp: 115428
 Ion Ratio Lower Upper
 43 100
 86 11.9 10.2 15.2



#24
 1,1-Dichloroethane
 Concen: 5.085 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion: 63 Resp: 22674
 Ion Ratio Lower Upper
 63 100
 98 7.1 4.0 12.2
 100 5.4 2.4 7.1

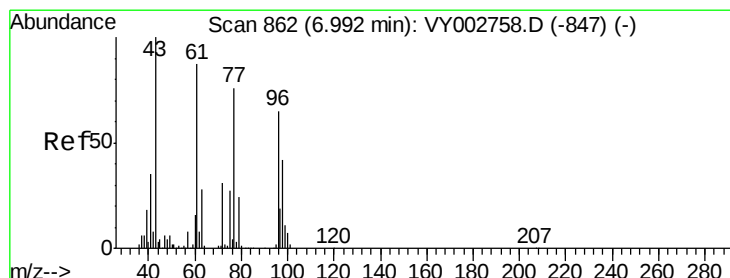
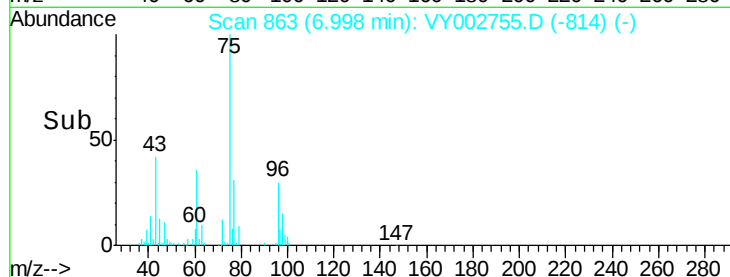
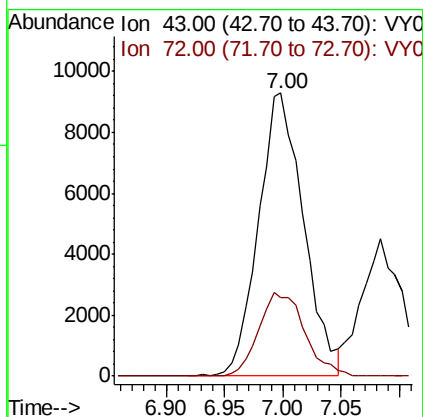
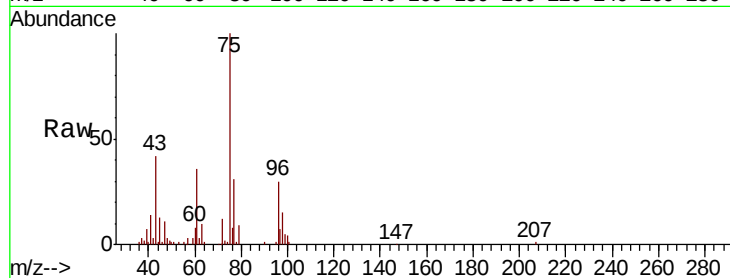




#25
2-Butanone
Concen: 30.321 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

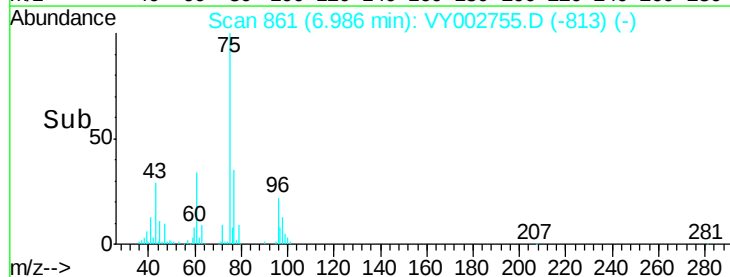
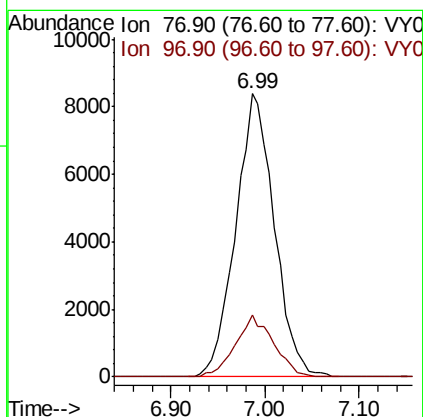
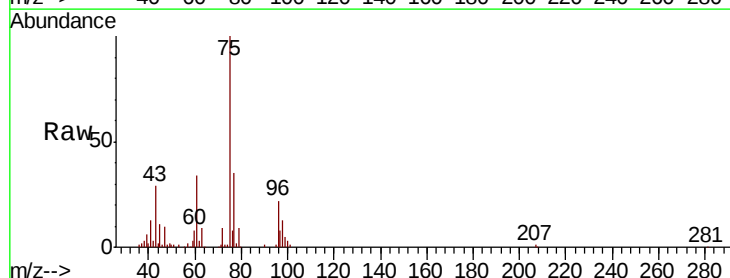
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

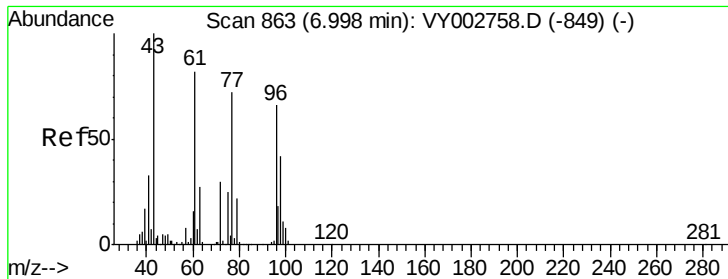
Tot Ion: 43 Resp: 24876
Ion Ratio Lower Upper
43 100
72 27.9 23.9 35.9



#26
2,2-Dichloropropane
Concen: 5.745 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion: 77 Resp: 23960
Ion Ratio Lower Upper
77 100
97 21.4 12.2 36.6



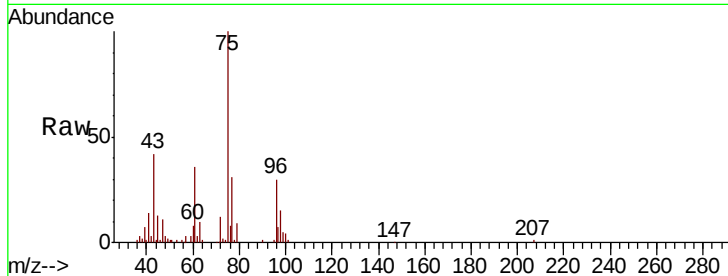


#27

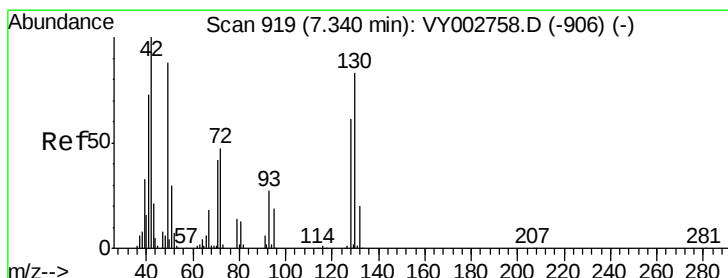
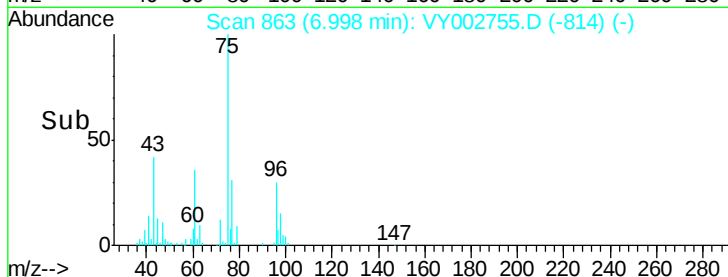
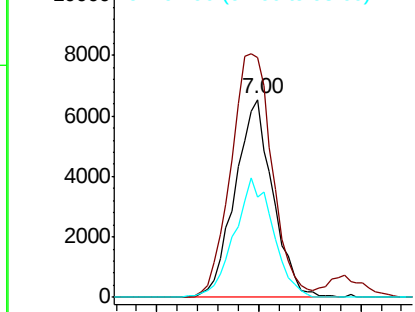
cis-1,2-Dichloroethene
Concen: 5.358 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC005

Tot Ion: 96 Resp: 16870
Ion Ratio Lower Upper
96 100
61 134.8 0.0 260.2
98 61.6 0.0 128.2



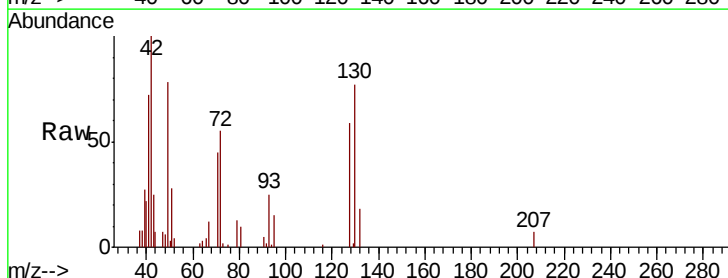
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



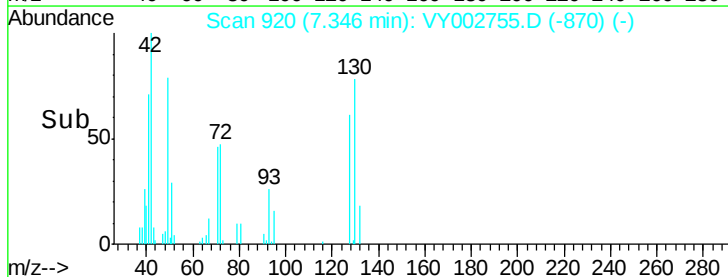
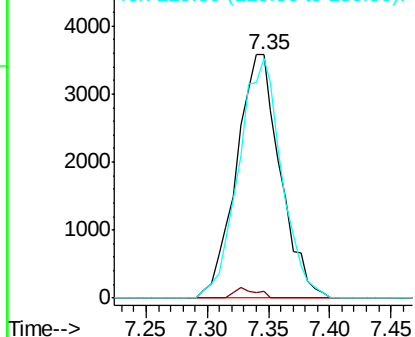
#28

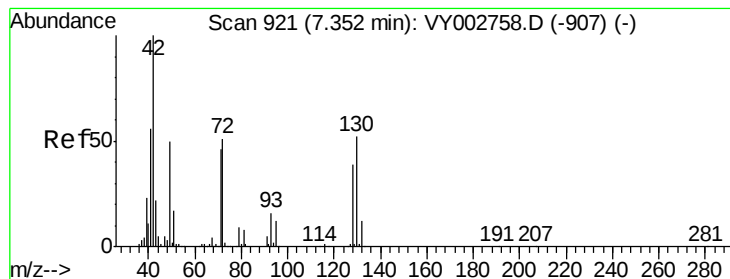
Bromochloromethane
Concen: 4.996 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion: 49 Resp: 8908
Ion Ratio Lower Upper
49 100
129 2.1 0.0 5.2
130 97.0 77.1 115.7



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





#29

Tetrahydrofuran

Concen: 28.741 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

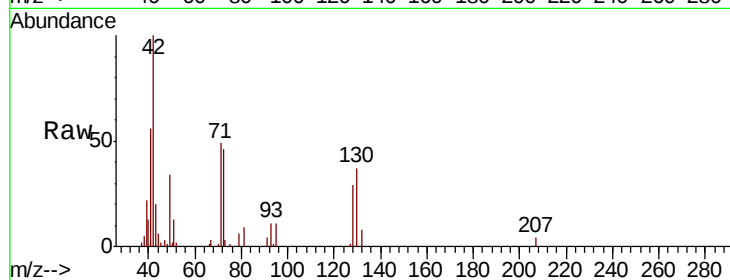
Tot Ion: 42 Resp: 15877

Ion Ratio Lower Upper

42 100

72 49.1 38.6 58.0

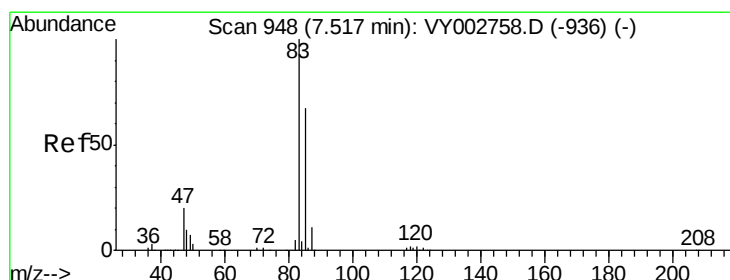
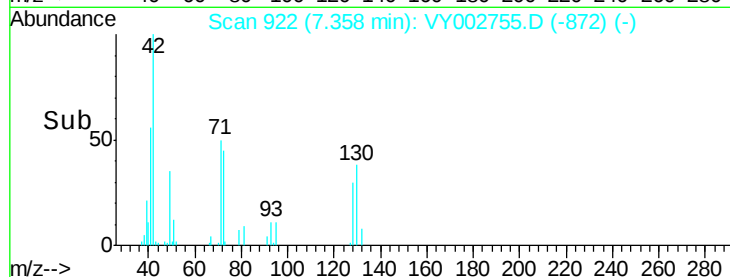
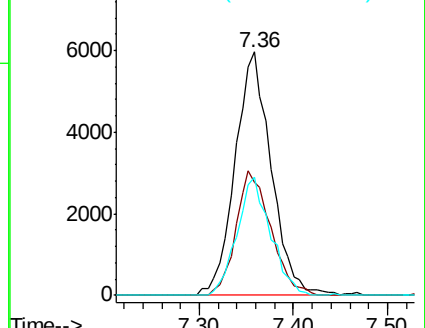
71 45.1 35.8 53.8



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: 5.037 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY002755.D

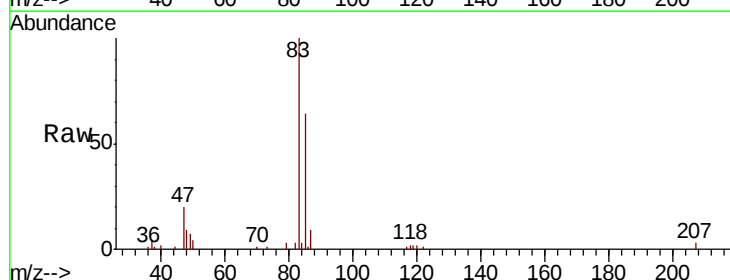
Acq: 27 May 2020 11:04

Tgt Ion: 83 Resp: 23367

Ion Ratio Lower Upper

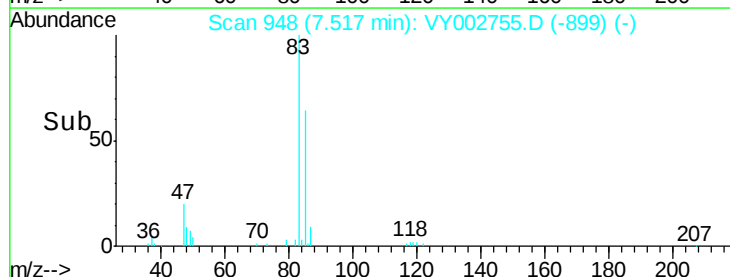
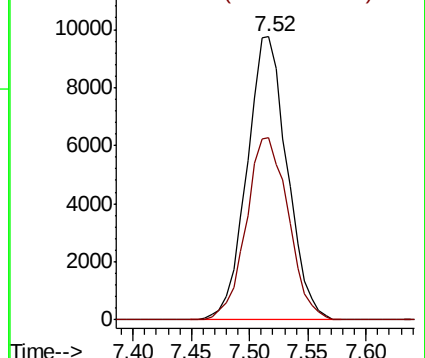
83 100

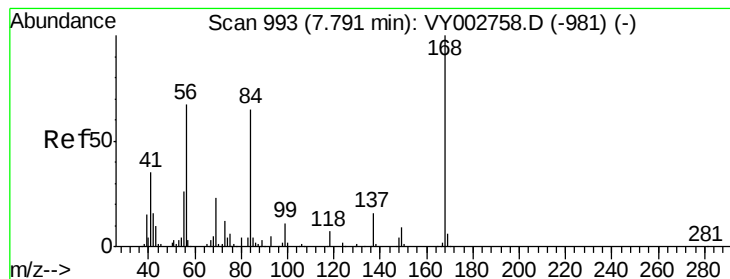
85 64.4 53.8 80.8



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 5.843 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

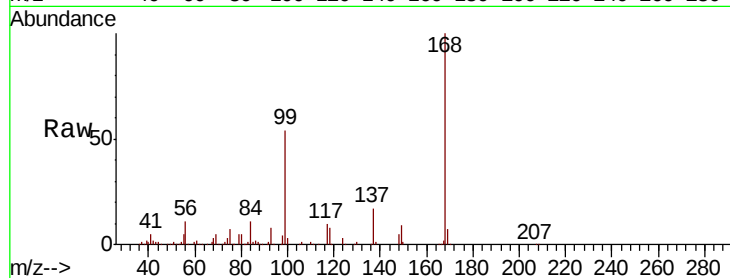
MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 26302

Ion	Ratio	Lower	Upper
56	100		
69	48.4	28.0	42.0#
84	103.6	77.7	116.5

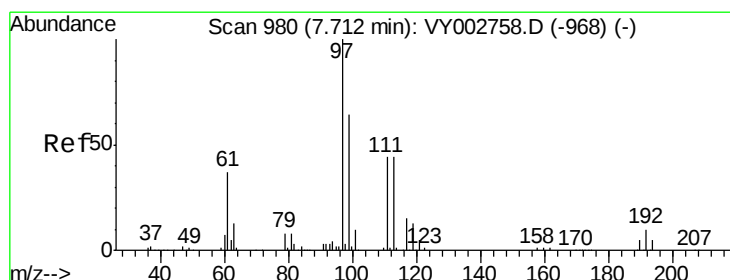
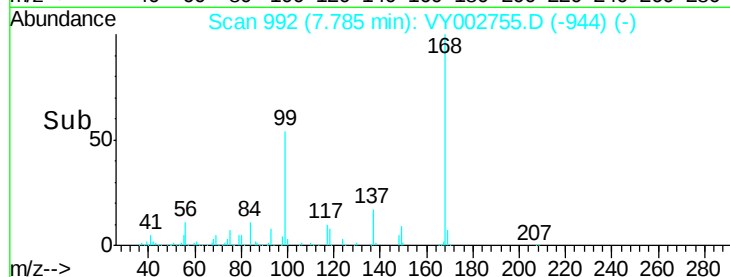
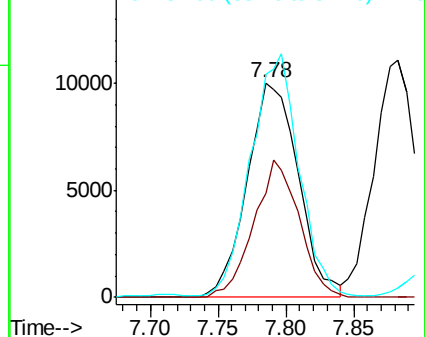


Abundance

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: 5.413 ug/l

RT: 7.71 min Scan# 979

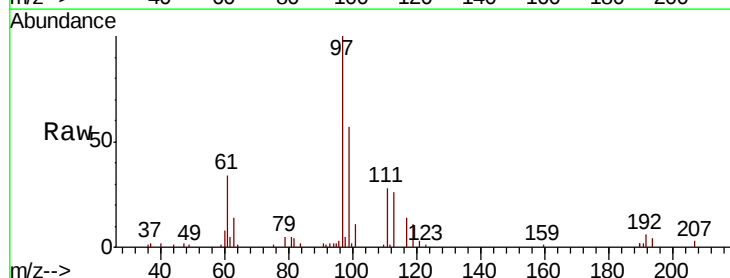
Delta R.T. -0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Tgt Ion: 97 Resp: 23241

Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.4	77.0
61	37.7	30.1	45.1

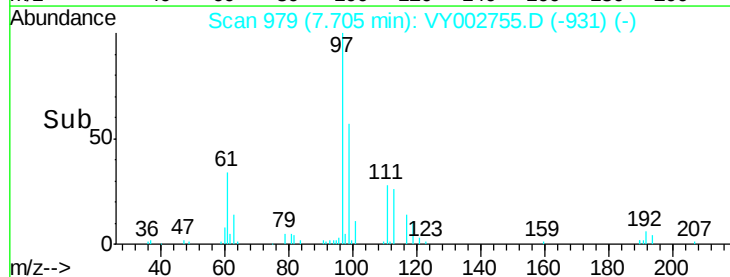
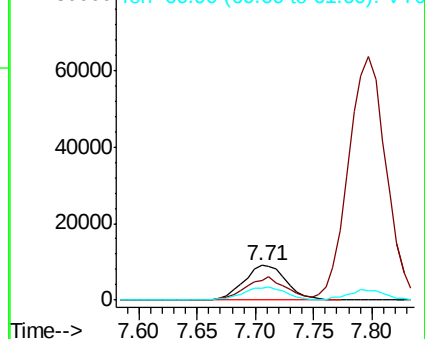


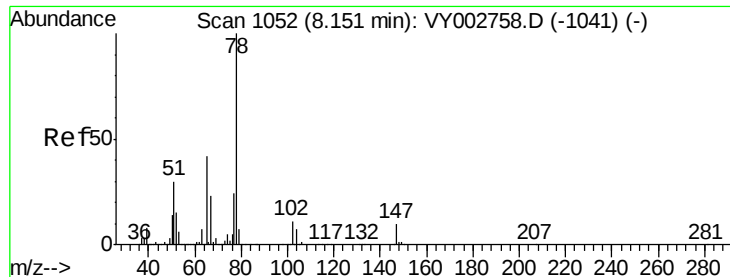
Abundance

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

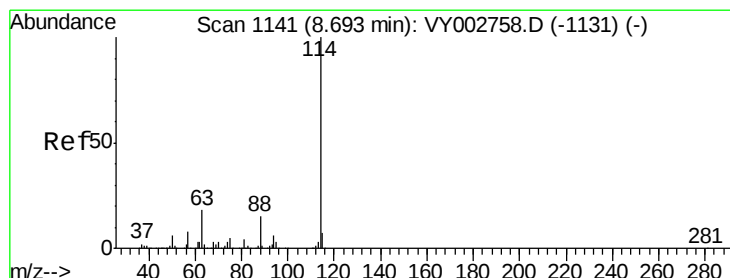
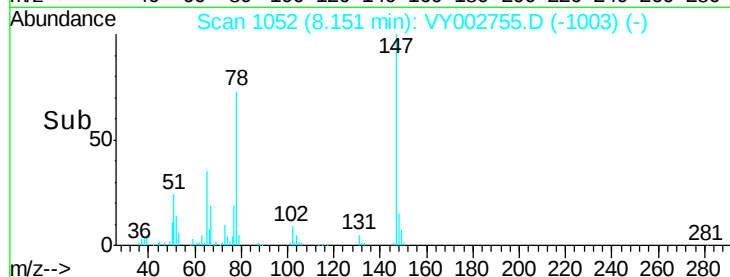
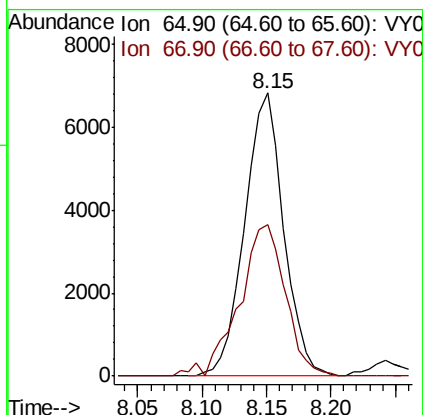
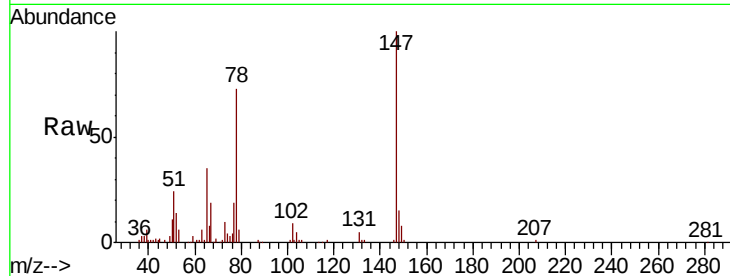




#33
 1,2-Dichloroethane-d4
 Concen: 6.020 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

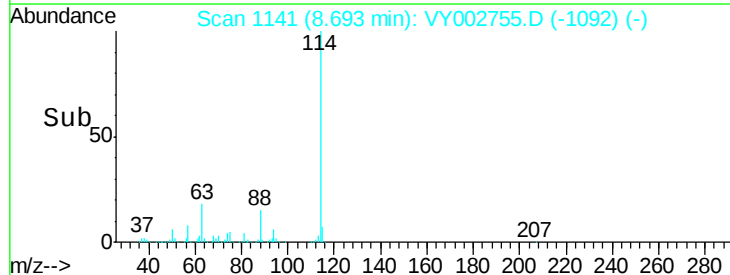
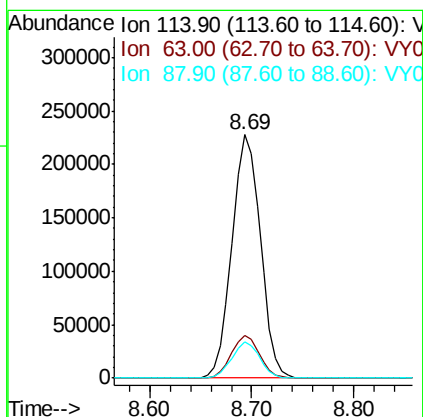
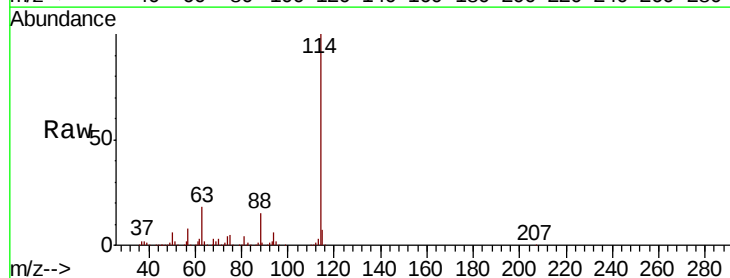
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

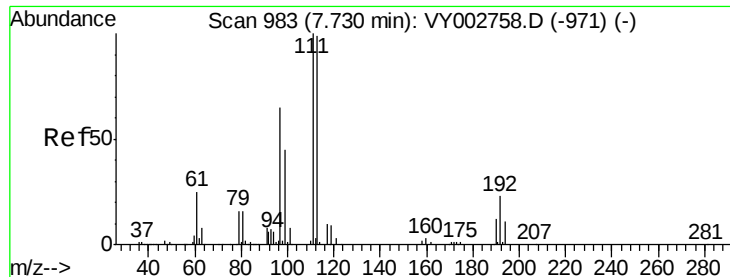
Tot Ion: 65 Resp: 14279
 Ion Ratio Lower Upper
 65 100
 67 63.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion: 114 Resp: 440160
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 14.8 0.0 29.2





#35

Dibromofluoromethane

Concen: 5.679 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

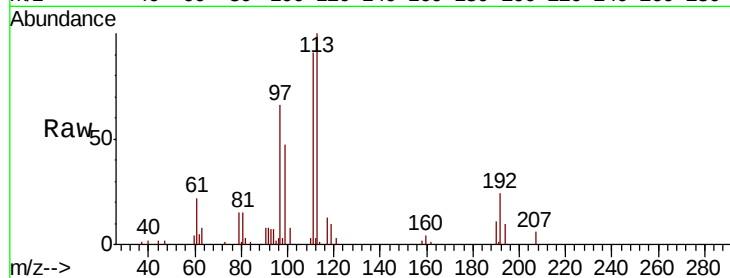
Tot Ion:113 Resp: 13905

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

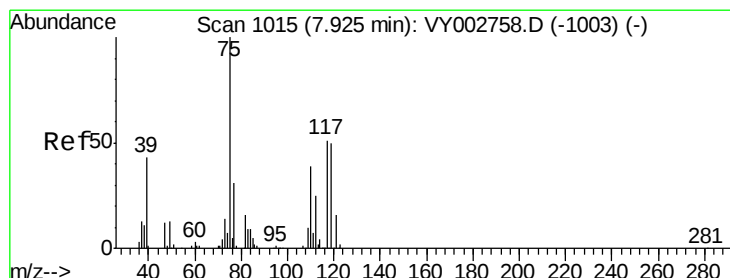
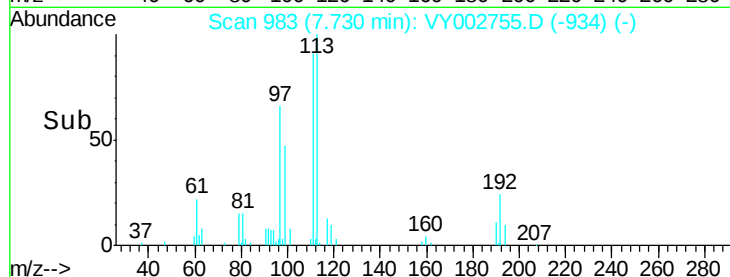
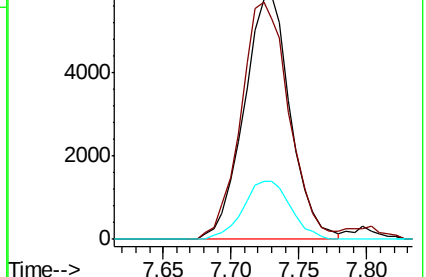
192 24.5 18.9 28.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.309 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

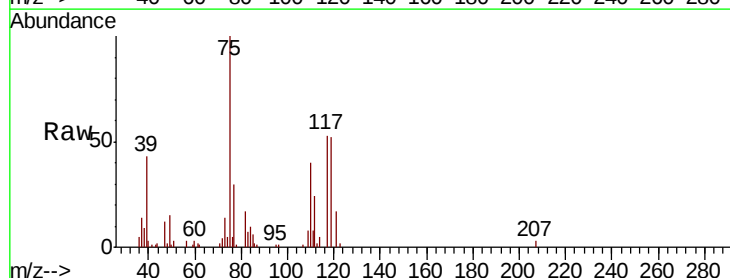
Tgt Ion: 75 Resp: 19690

Ion Ratio Lower Upper

75 100

110 39.6 19.3 57.9

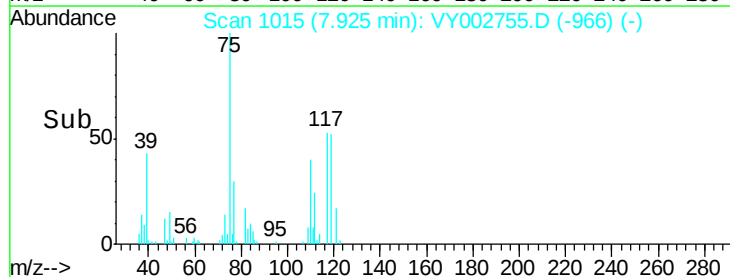
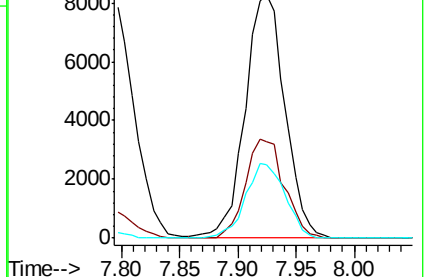
77 30.4 24.8 37.2

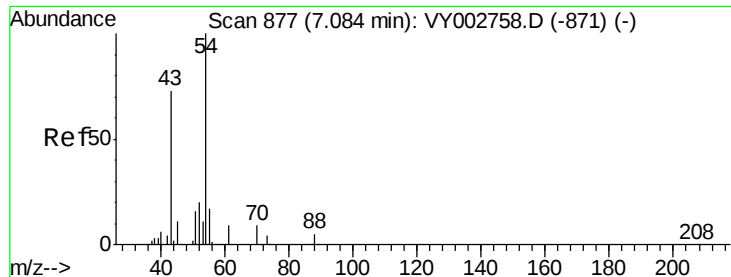


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

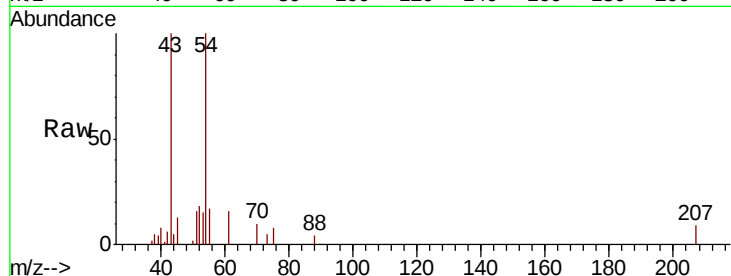




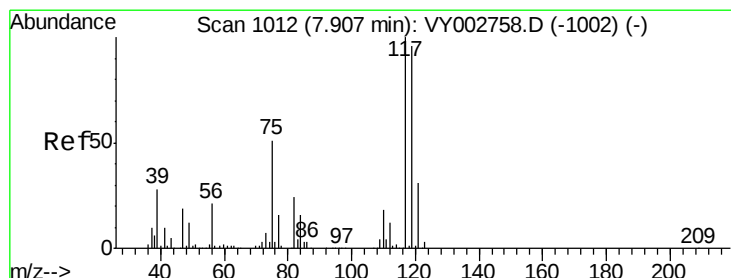
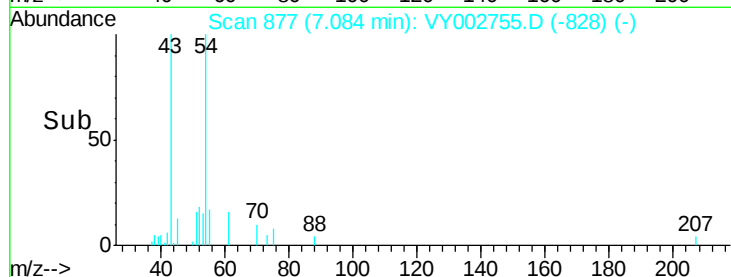
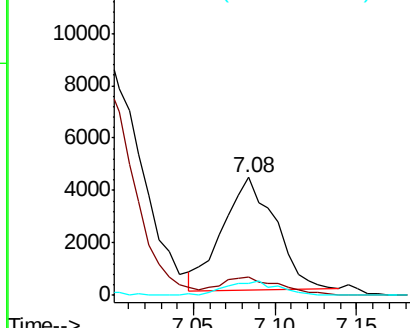
#37
Ethyl Acetate
Concen: 5.315 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 9798
Ion Ratio Lower Upper
43 100
61 18.2 11.9 17.9#
70 12.5 9.1 13.7

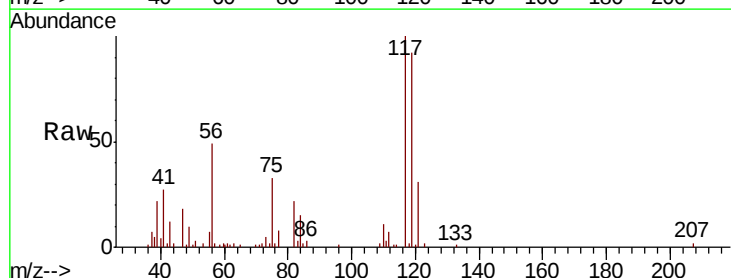


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

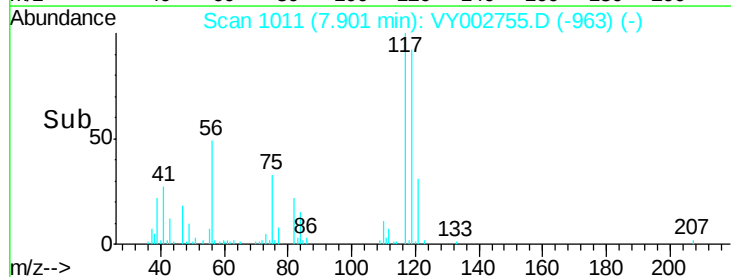
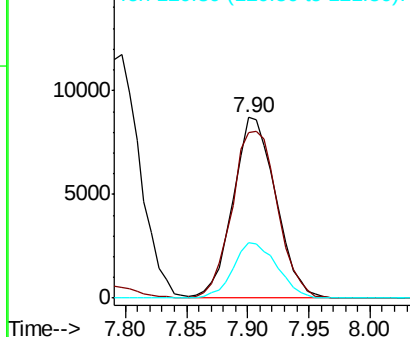


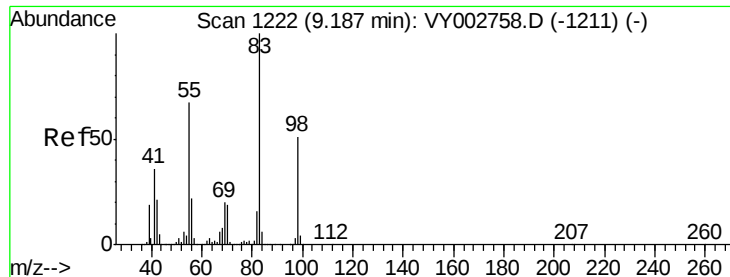
#38
Carbon Tetrachloride
Concen: 5.303 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion: 117 Resp: 21173
Ion Ratio Lower Upper
117 100
119 91.5 76.8 115.2
121 30.5 24.8 37.2



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

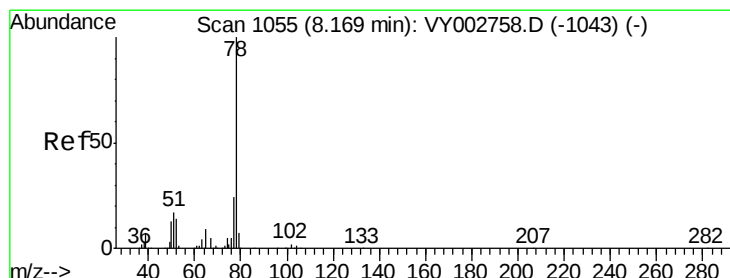
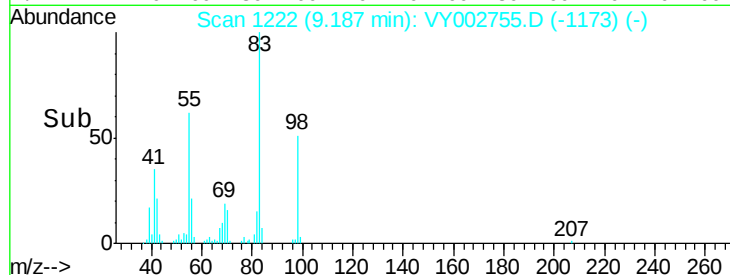
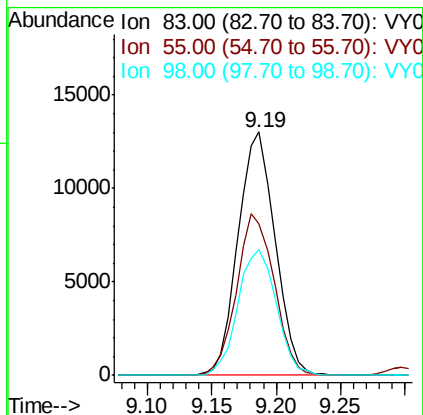
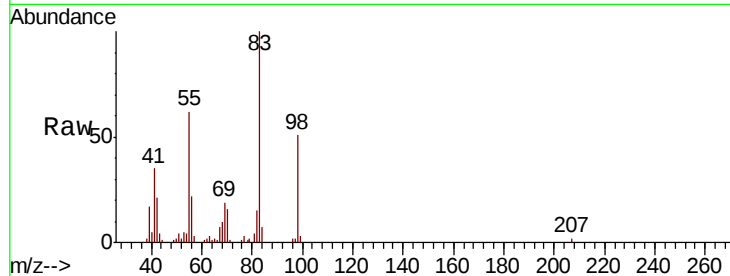




#39
Methvlcvclohexane
Concen: 5.245 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

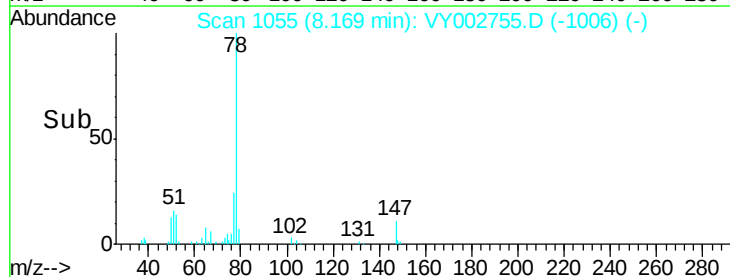
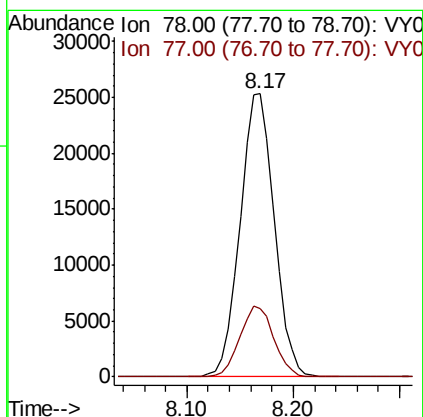
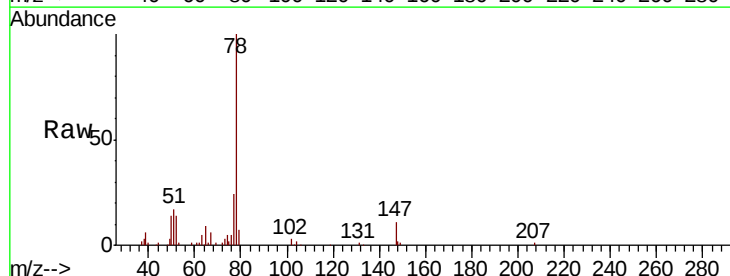
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

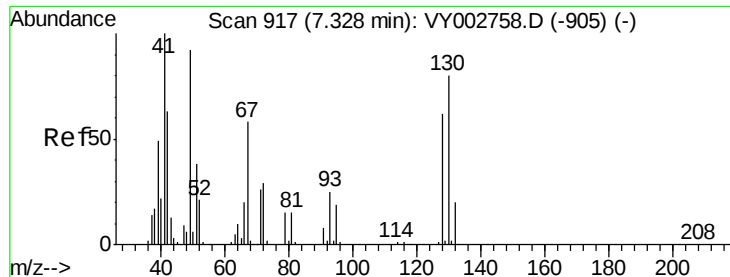
Tot Ion: 83 Resp: 26008
Ion Ratio Lower Upper
83 100
55 62.4 53.3 79.9
98 51.5 41.1 61.7



#40
Benzene
Concen: 5.281 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion: 78 Resp: 57156
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2

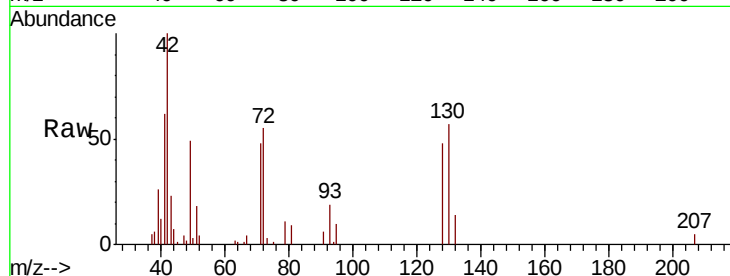




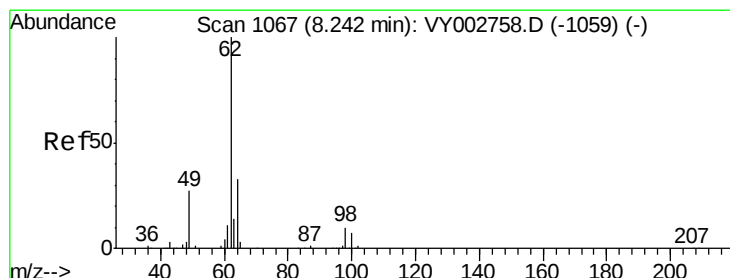
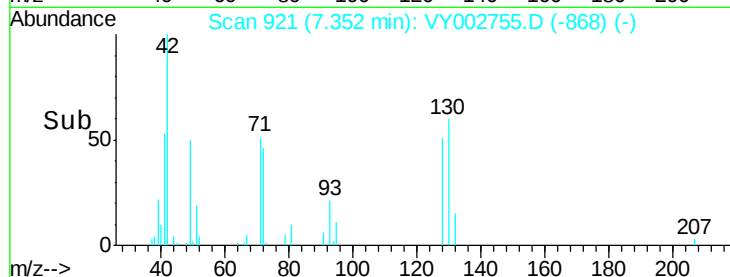
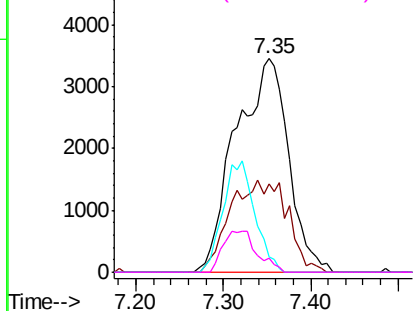
#41
Methacrylonitrile
Concen: 13.464 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.02 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 14486
Ion Ratio Lower Upper
41 100
39 0.0 97.6 146.4#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

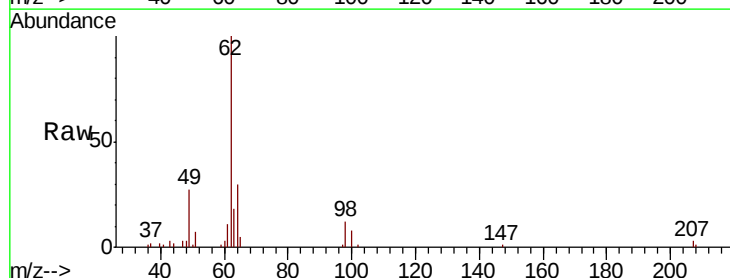


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

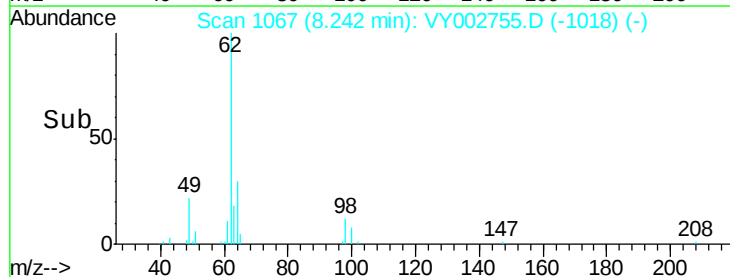
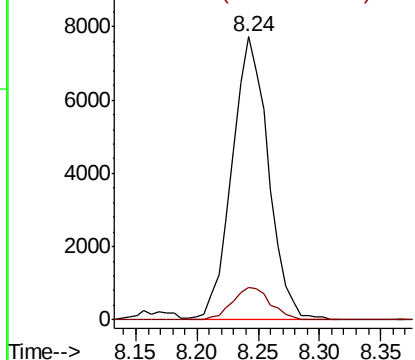


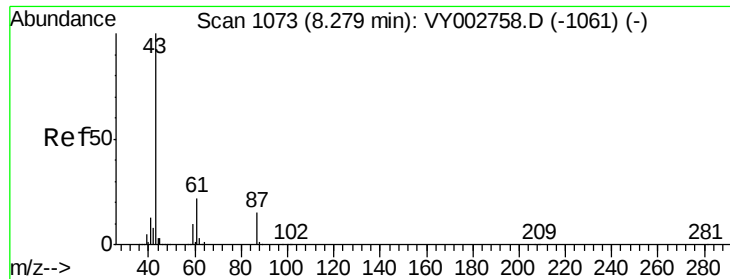
#42
1,2-Dichloroethane
Concen: 5.542 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion: 62 Resp: 15933
Ion Ratio Lower Upper
62 100
98 12.0 0.0 22.6



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





#43

Isopropyl Acetate

Concen: 5.495 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

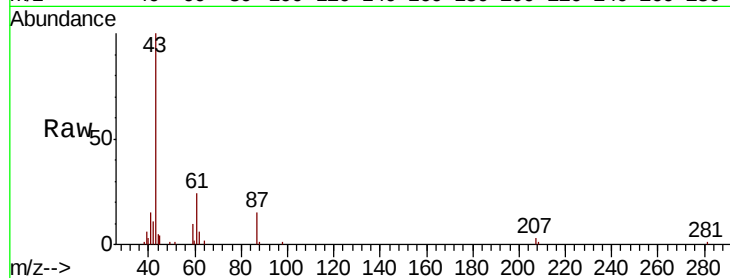
Tot Ion: 43 Resp: 18918

Ion Ratio Lower Upper

43 100

61 33.1 24.8 37.2

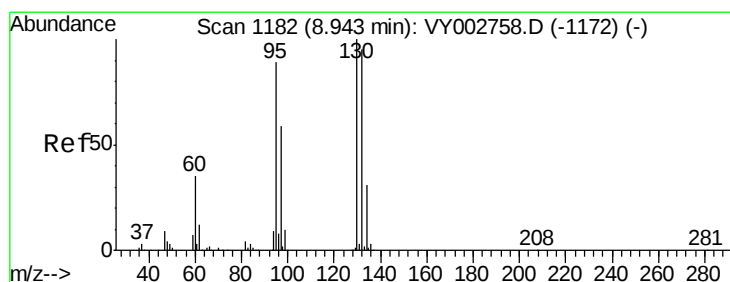
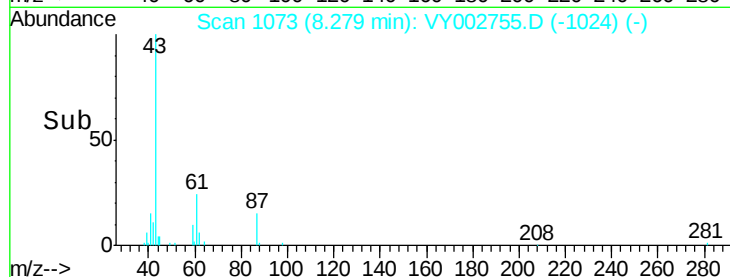
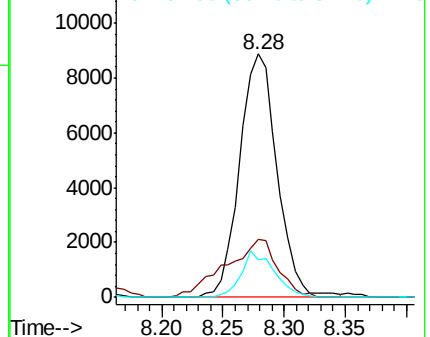
87 16.6 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VY002755.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VY002755.D (-1024) (-)

Ion 87.00 (86.70 to 87.70): VY002755.D (-1024) (-)



#44

Trichloroethene

Concen: 5.319 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY002755.D

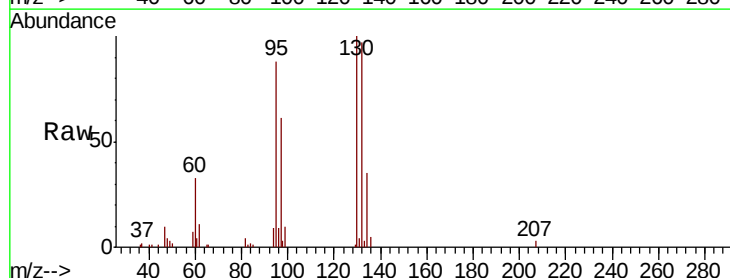
Acq: 27 May 2020 11:04

Tgt Ion: 130 Resp: 18321

Ion Ratio Lower Upper

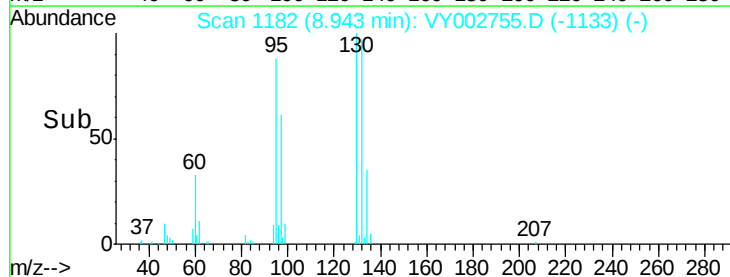
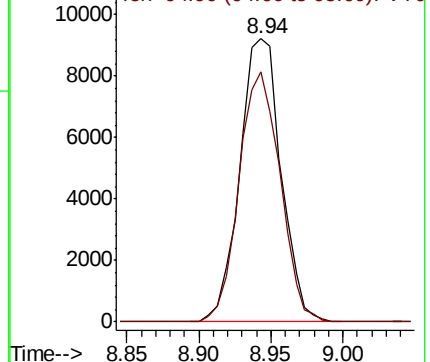
130 100

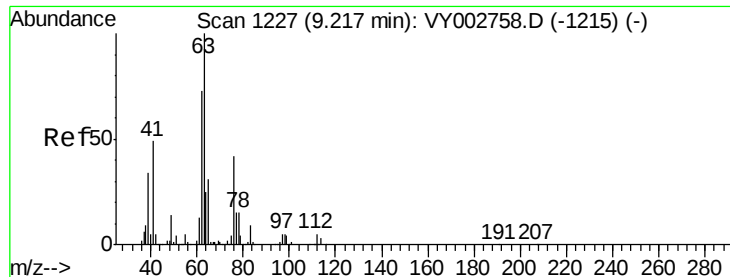
95 88.3 0.0 178.8



Abundance Ion 129.80 (129.50 to 130.50): VY002755.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY002755.D (-1133) (-)





#45

1,2-Dichloropropane

Concen: 5.265 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

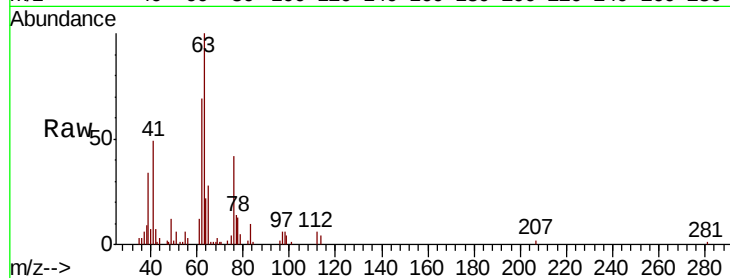
VSTDIC005

Tot Ion: 63 Resp: 13585

Ion Ratio Lower Upper

63 100

65 28.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

8000

6000

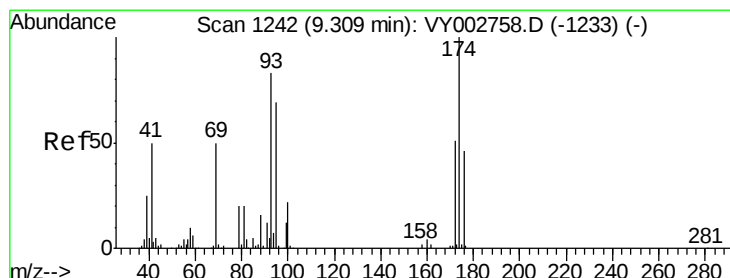
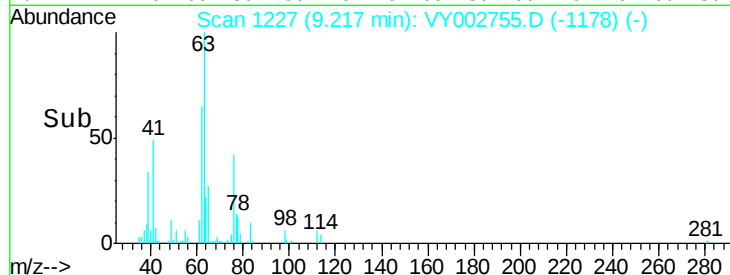
4000

2000

0

9.15 9.20 9.25 9.30

Time-->



#46

Dibromomethane

Concen: 5.379 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

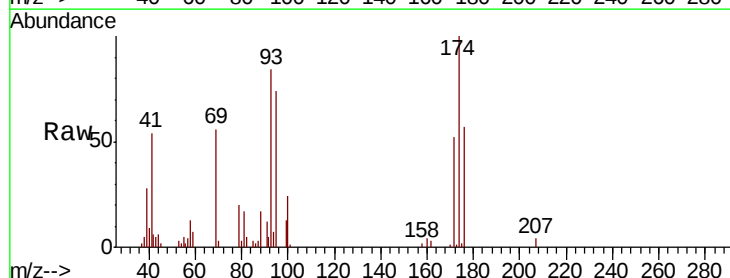
Tgt Ion: 93 Resp: 7830

Ion Ratio Lower Upper

93 100

95 87.1 66.9 100.3

174 122.8 97.7 146.5



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

6000

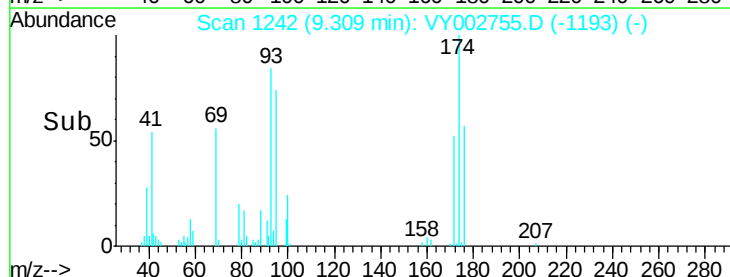
4000

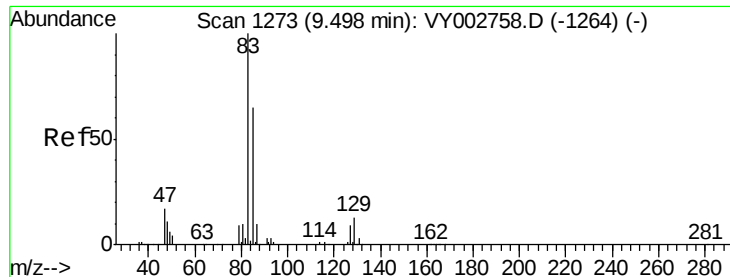
2000

0

9.25 9.30 9.35 9.40

Time-->





#47

Bromodichloromethane

Concen: 5.126 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

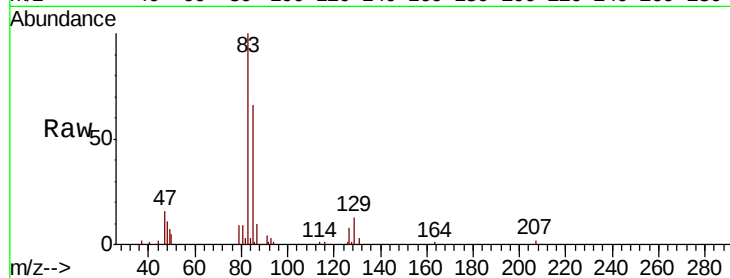
Tot Ion: 83 Resp: 18142

Ion Ratio Lower Upper

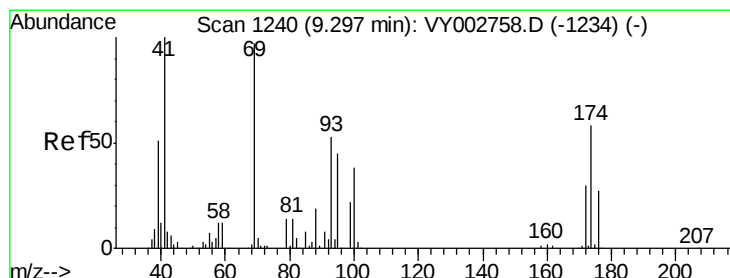
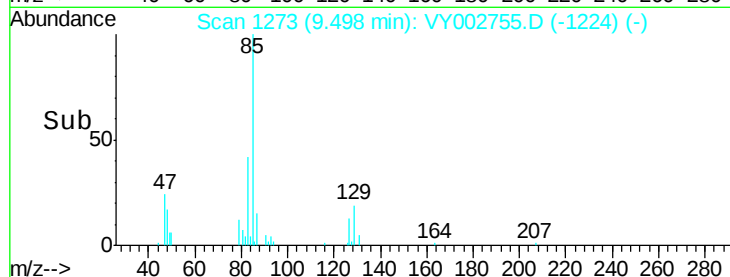
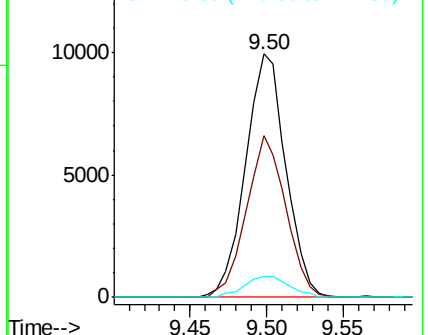
83 100

85 66.4 51.9 77.9

127 8.4 7.1 10.7



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



#48

Methyl methacrylate

Concen: 5.488 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

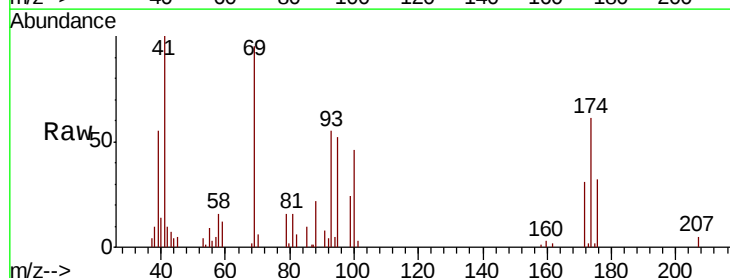
Tgt Ion: 41 Resp: 8665

Ion Ratio Lower Upper

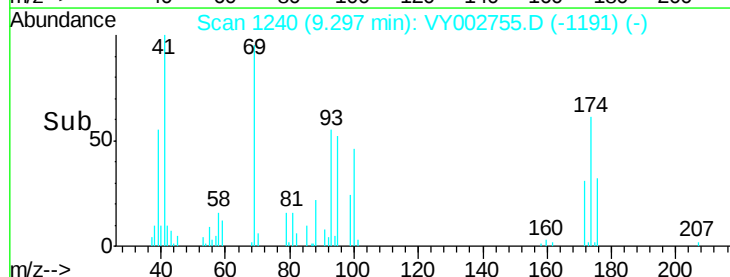
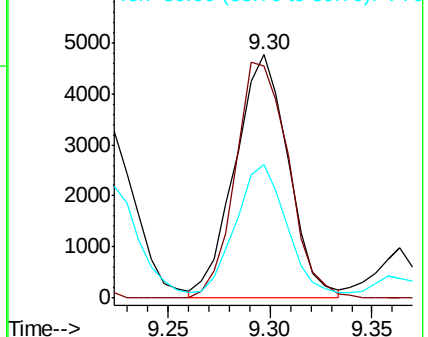
41 100

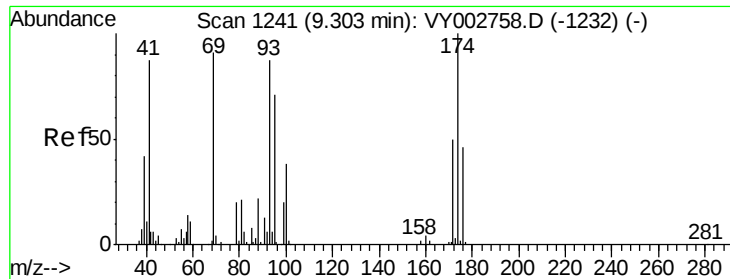
69 96.1 79.7 119.5

39 54.7 43.3 64.9



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

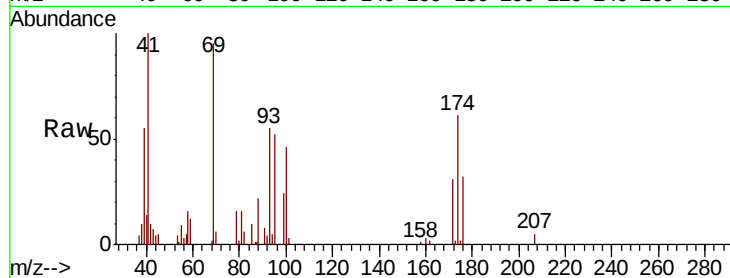




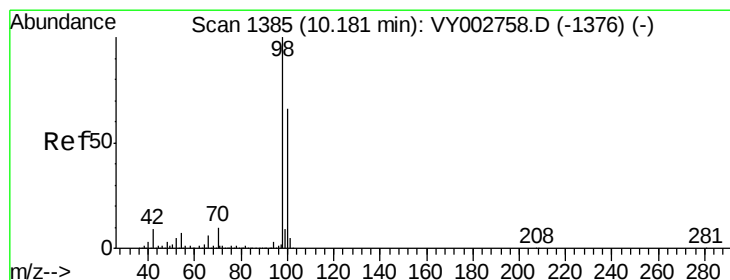
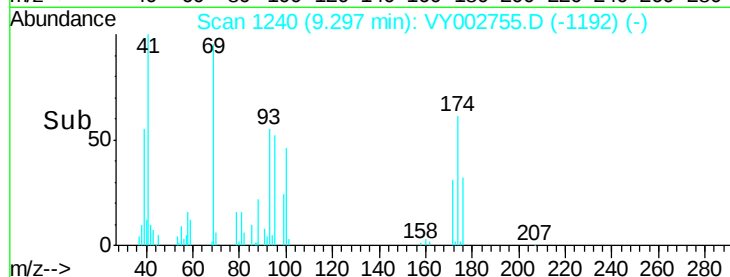
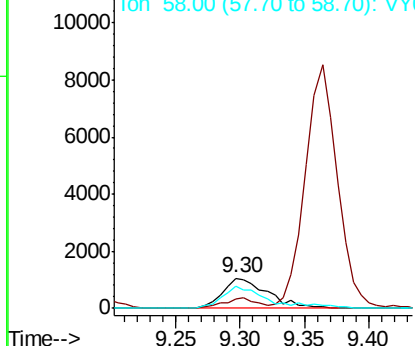
#49
1,4-Dioxane
Concen: 124.741 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 2534
Ion Ratio Lower Upper
88 100
43 26.2 21.3 31.9
58 74.3 52.2 78.2

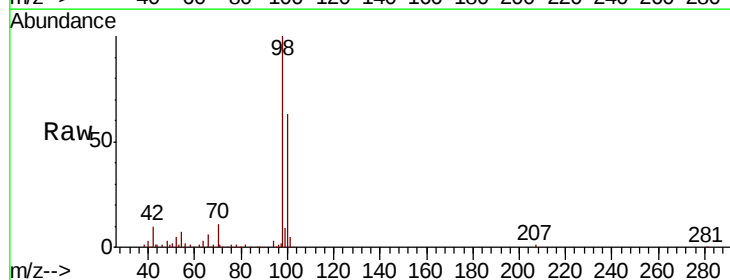


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

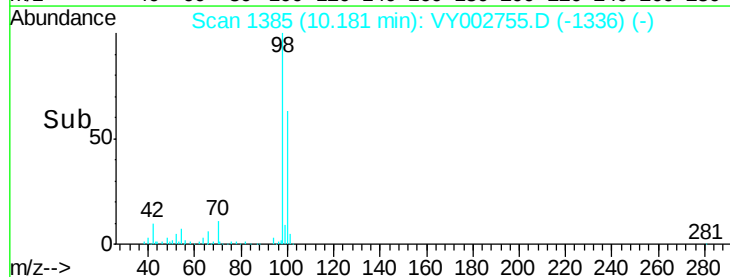
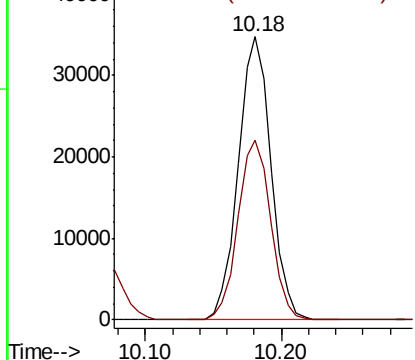


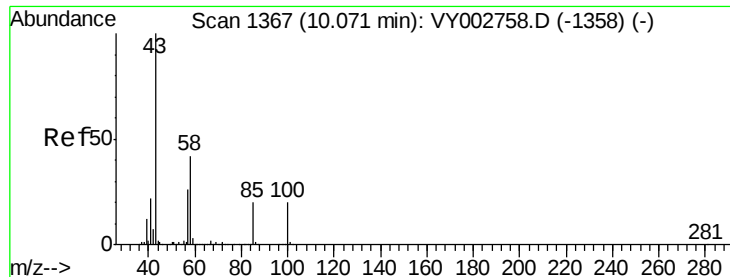
#50
Toluene-d8
Concen: 5.911 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion: 98 Resp: 58177
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 28.380 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

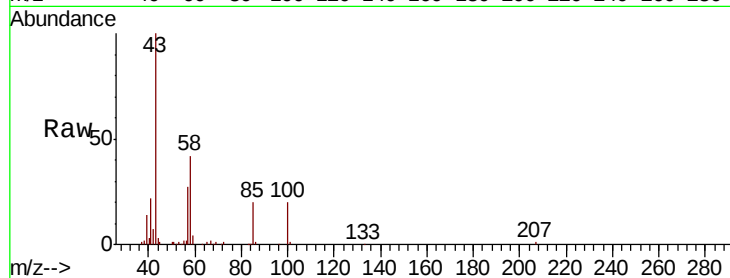
VSTDIC005

Tot Ion: 43 Resp: 50623

Ion Ratio Lower Upper

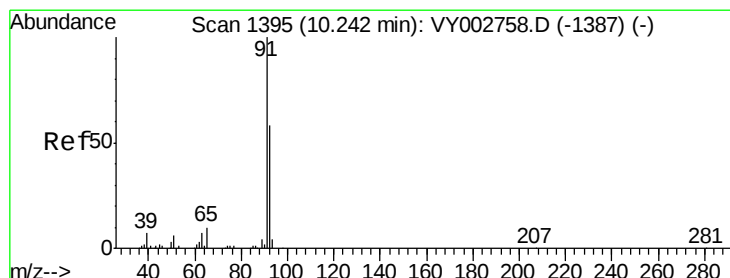
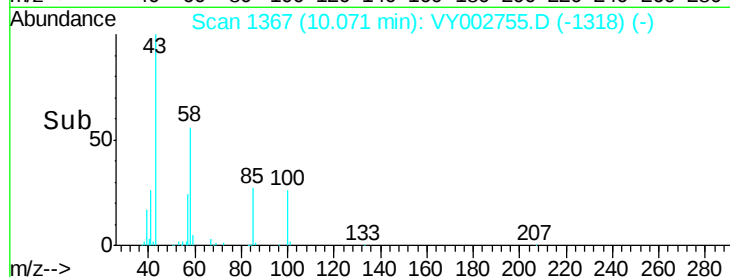
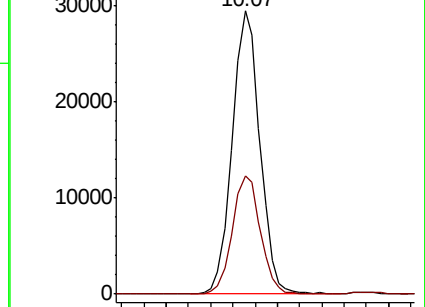
43 100

58 42.4 34.2 51.2



Abundance Ion 43.00 (42.70 to 43.70): VY002758.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY002758.D (-1358) (-)



#52

Toluene

Concen: 5.283 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002755.D

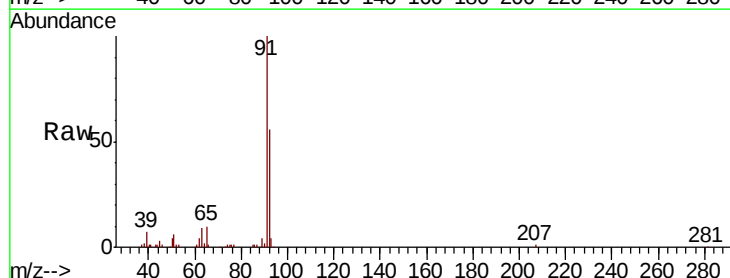
Acq: 27 May 2020 11:04

Tgt Ion: 92 Resp: 37111

Ion Ratio Lower Upper

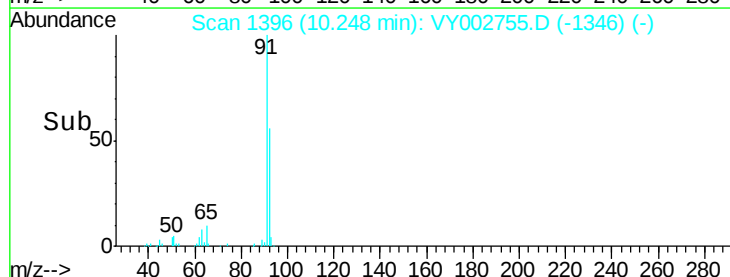
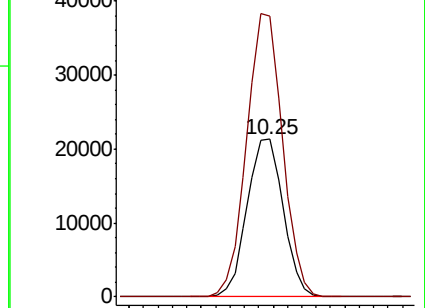
92 100

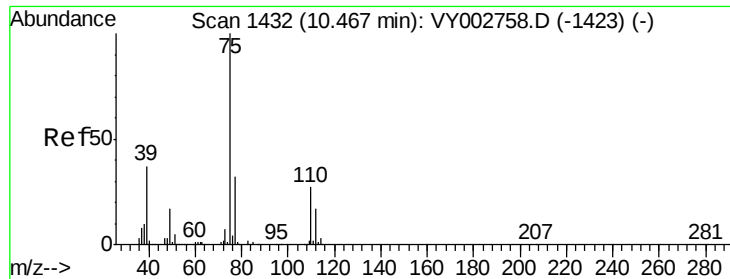
91 177.5 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VY002758.D (-1387) (-)

Ion 91.00 (90.70 to 91.70): VY002758.D (-1387) (-)





#53

t-1,3-Dichloropropene

Concen: 5.258 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampled :

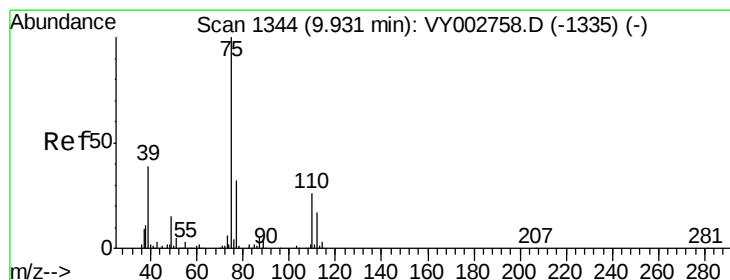
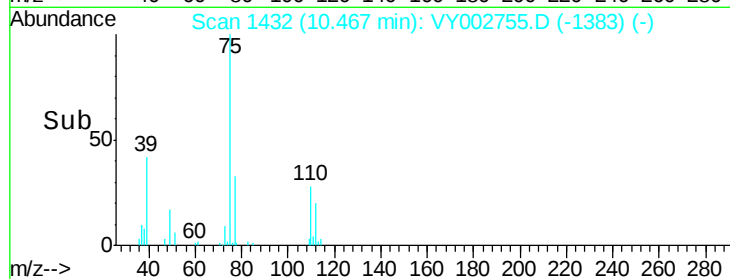
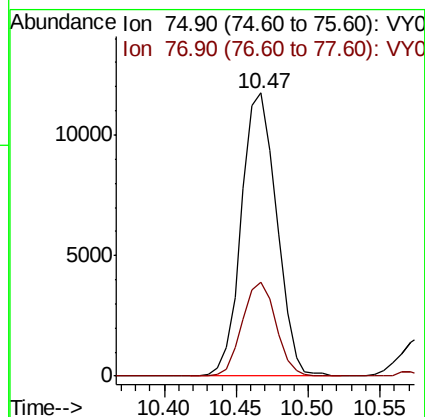
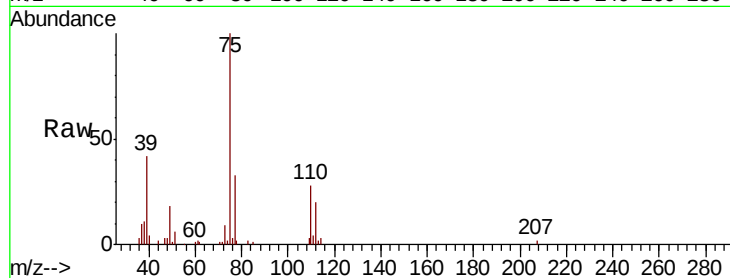
VSTDIC005

Tot Ion: 75 Resp: 19956

Ion Ratio Lower Upper

75 100

77 33.1 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 5.205 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

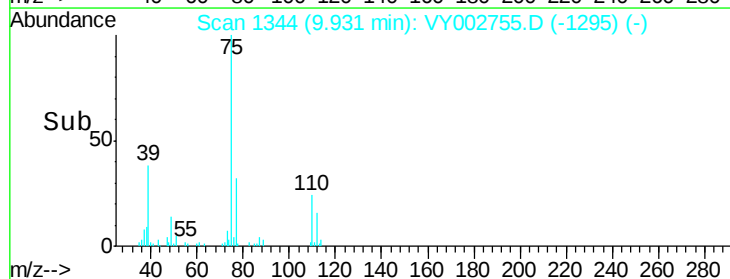
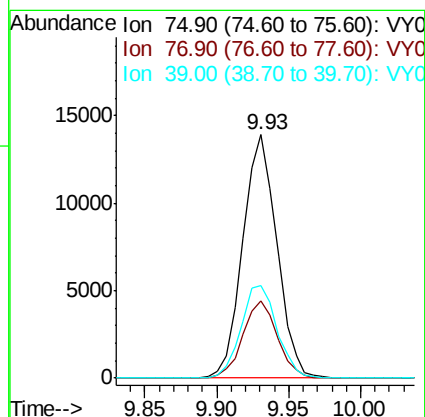
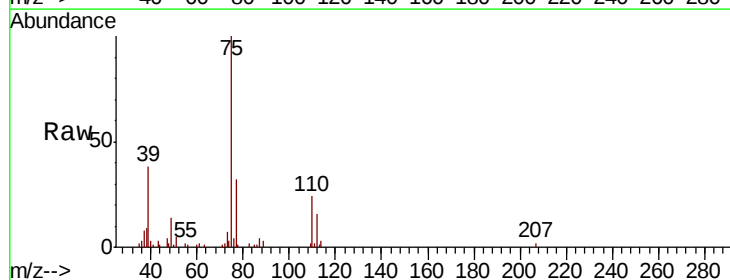
Tgt Ion: 75 Resp: 22796

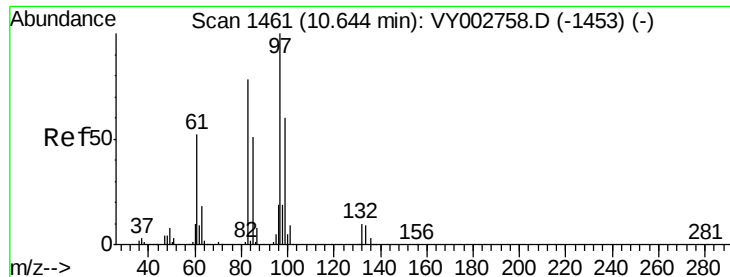
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 38.0 31.3 46.9





#55

1,1,2-Trichloroethane

Concen: 5.599 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC005

Tot Ion: 97 Resp: 12234

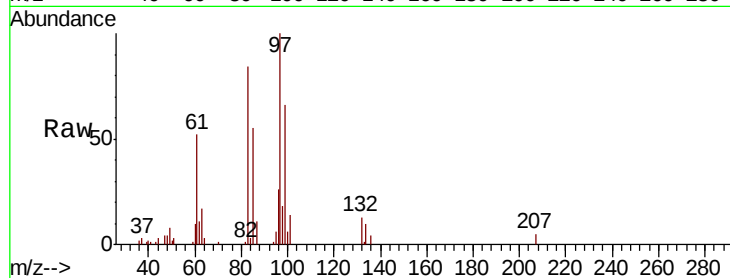
Ion Ratio Lower Upper

97 100

83 84.0 62.7 94.1

85 55.3 40.6 60.8

99 66.0 48.2 72.4

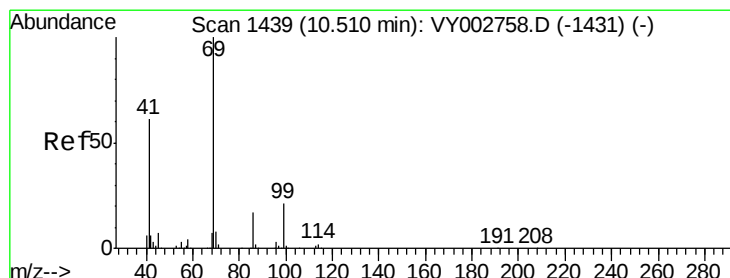
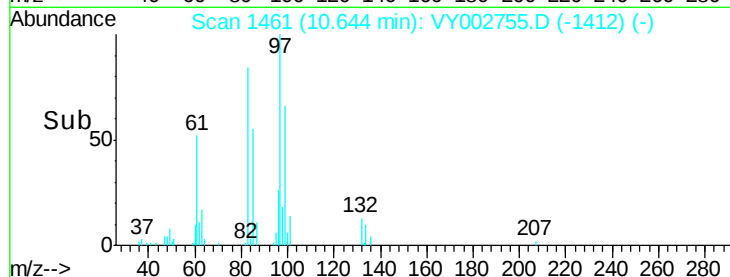
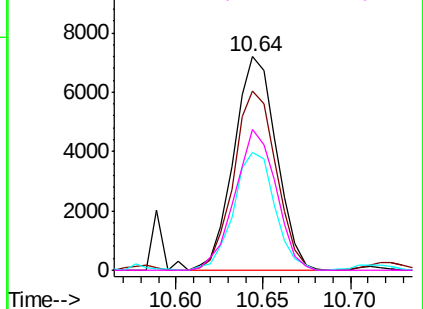


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 5.298 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

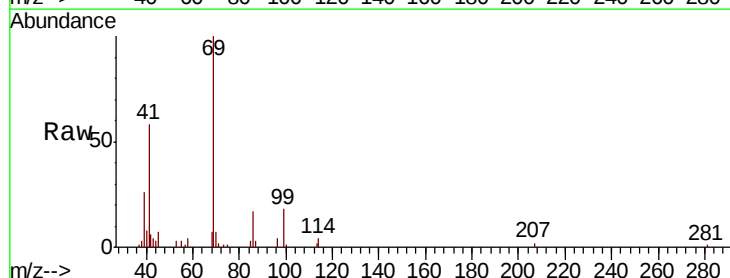
Tgt Ion: 69 Resp: 15358

Ion Ratio Lower Upper

69 100

41 58.0 47.0 70.4

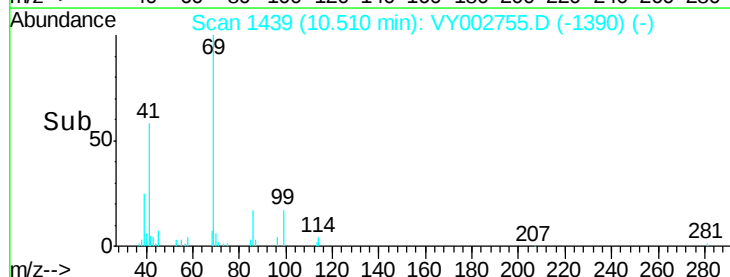
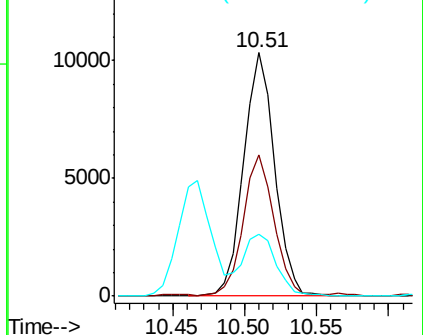
39 26.5 22.0 33.0

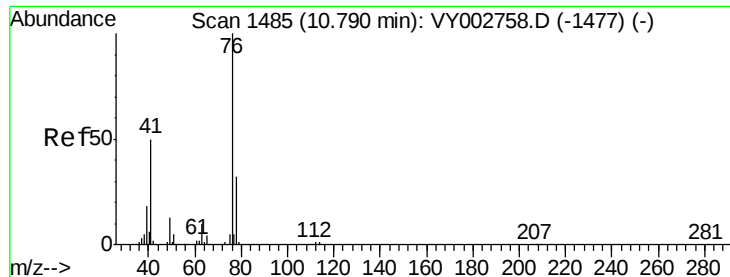


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 5.530 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

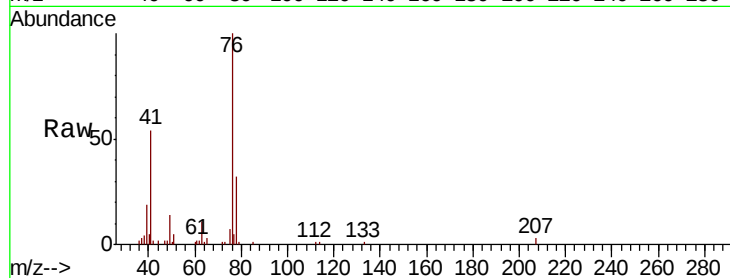
VSTDIC005

Tot Ion: 76 Resp: 20104

Ion Ratio Lower Upper

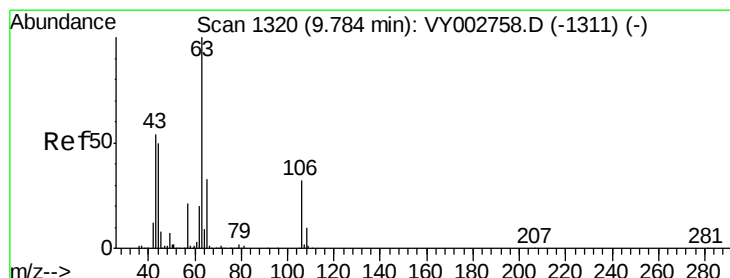
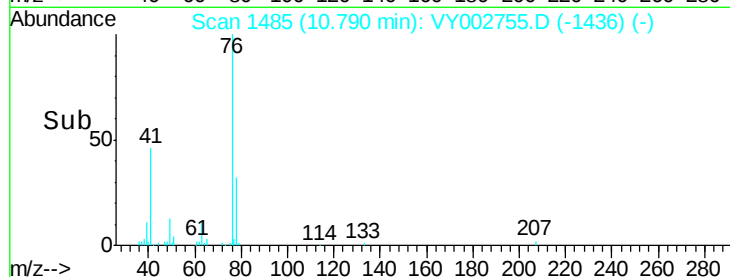
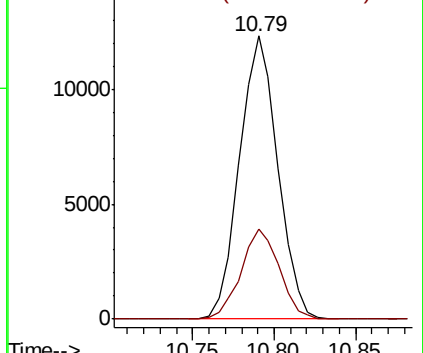
76 100

78 31.7 26.1 39.1



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: 28.661 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002755.D

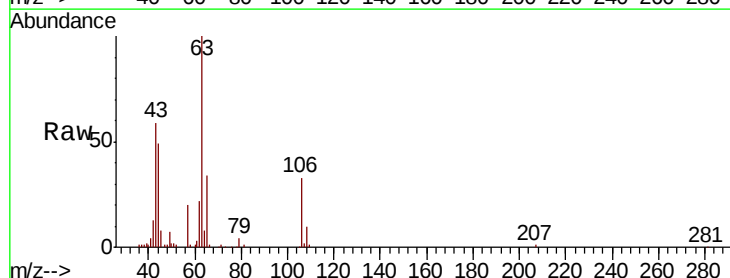
Acq: 27 May 2020 11:04

Tgt Ion: 63 Resp: 40804

Ion Ratio Lower Upper

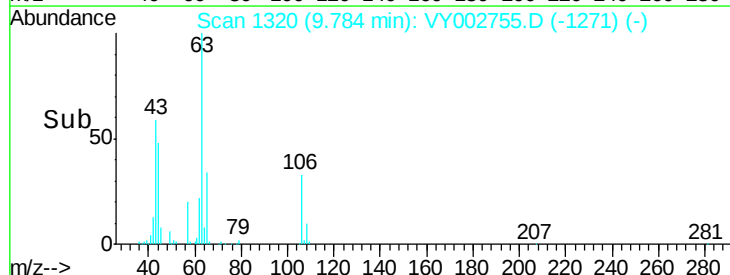
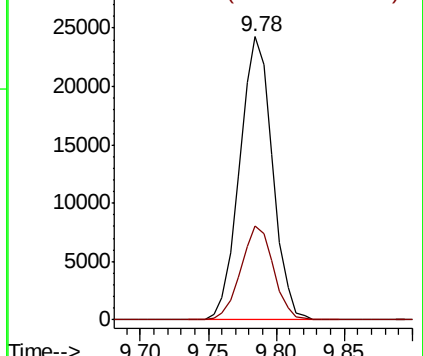
63 100

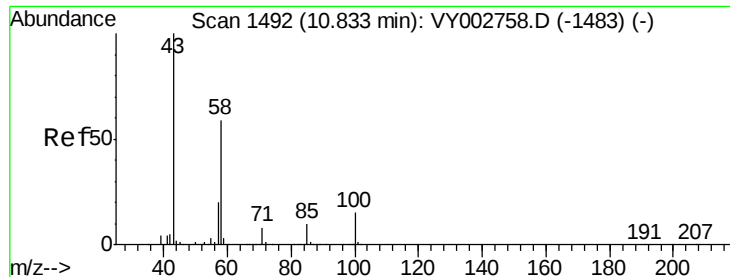
106 32.9 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

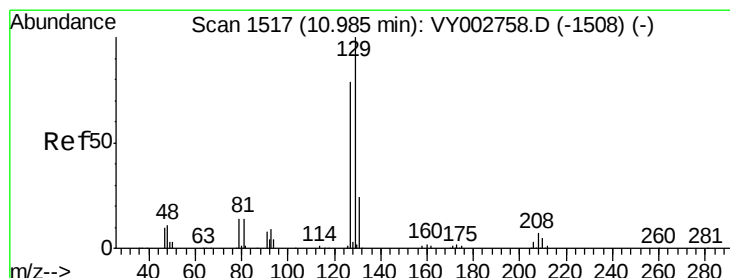
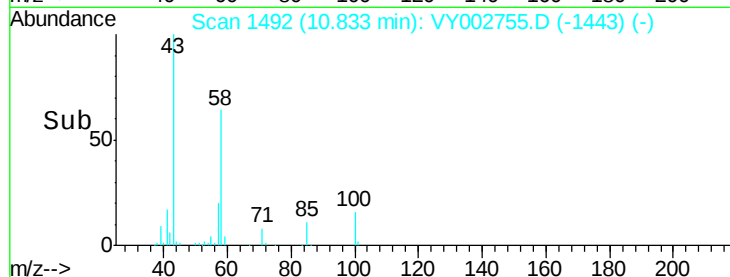
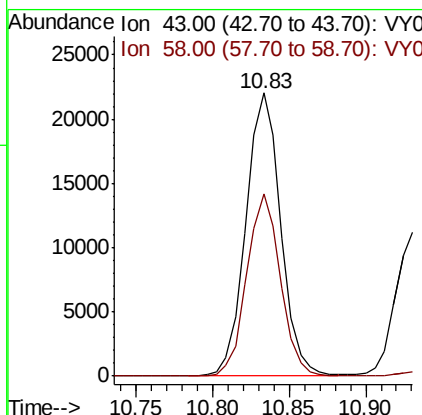
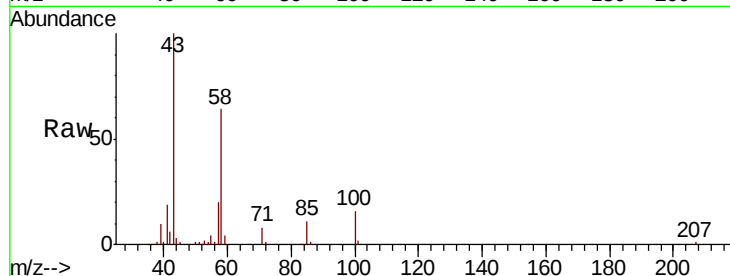




#59
2-Hexanone
Concen: 27.920 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

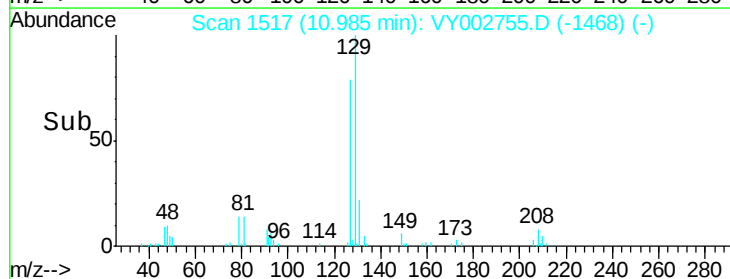
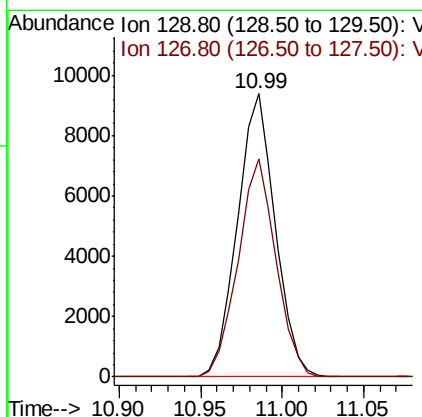
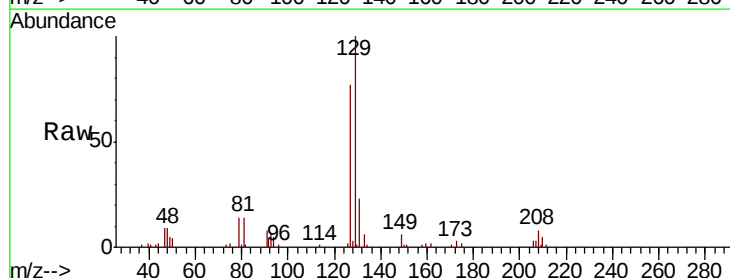
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

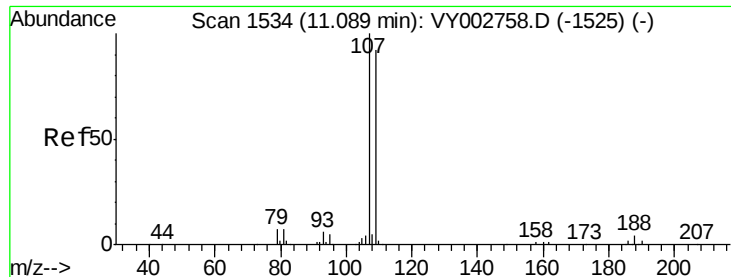
Tot Ion: 43 Resp: 34887
Ion Ratio Lower Upper
43 100
58 62.2 29.5 88.5



#60
Dibromochloromethane
Concen: 5.452 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion: 129 Resp: 15144
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 5.569 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

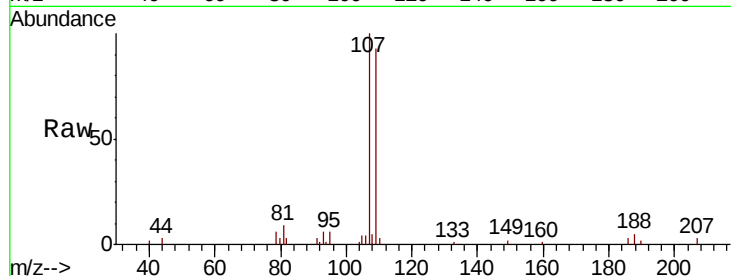
VSTDIC005

Tot Ion:107 Resp: 11968

Ion Ratio Lower Upper

107 100

109 93.0 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.09

8000

6000

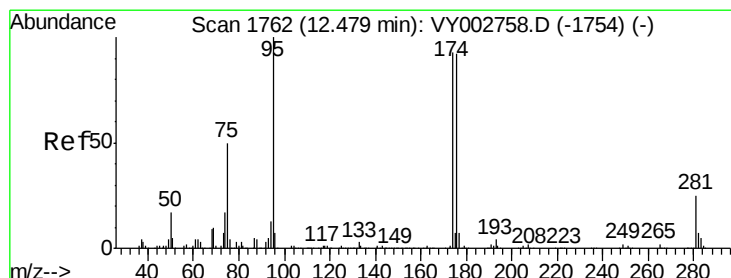
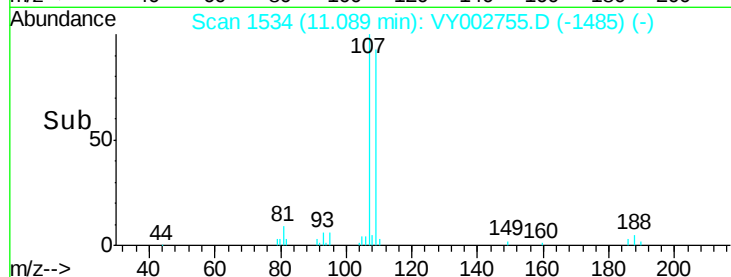
4000

2000

0

Time-->

11.05 11.10 11.15



#62

4-Bromofluorobenzene

Concen: 5.798 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

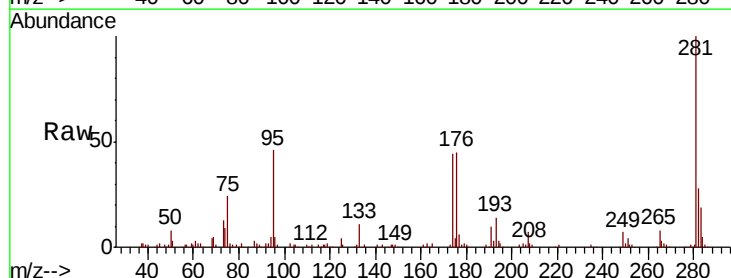
Tgt Ion: 95 Resp: 19683

Ion Ratio Lower Upper

95 100

174 100.5 0.0 191.2

176 99.8 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

15000

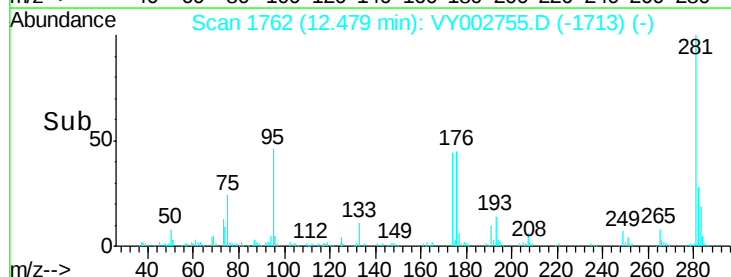
10000

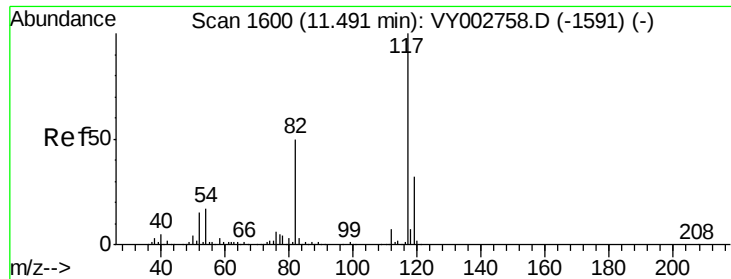
5000

0

Time-->

12.45 12.50

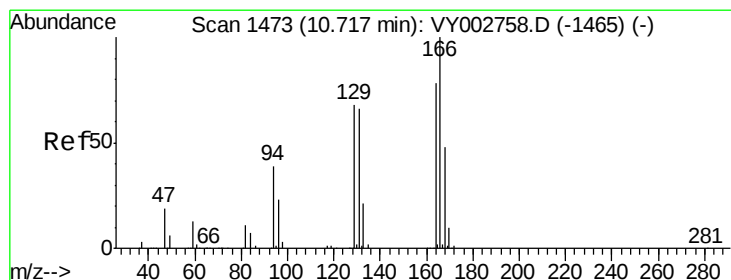
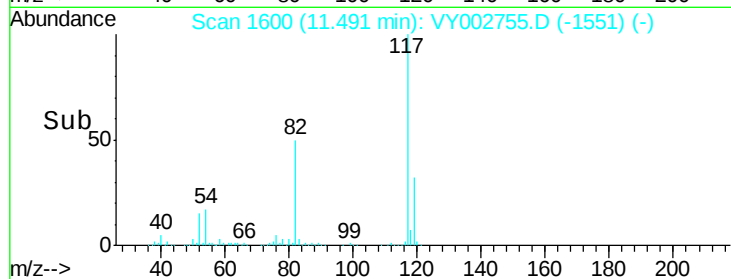
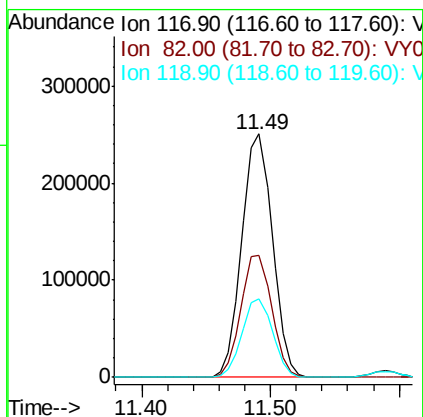
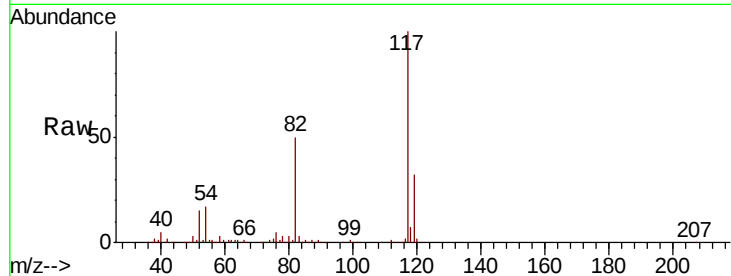




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

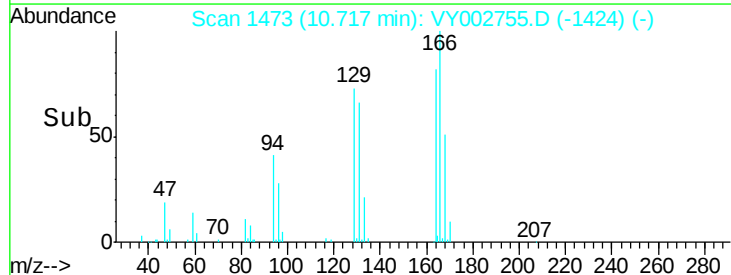
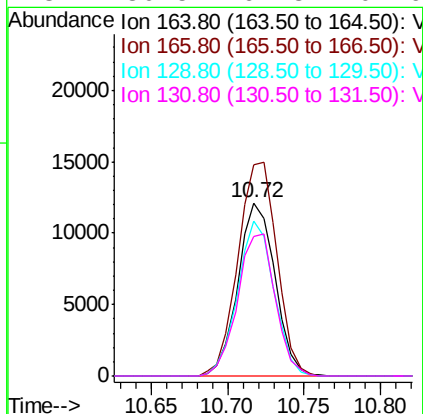
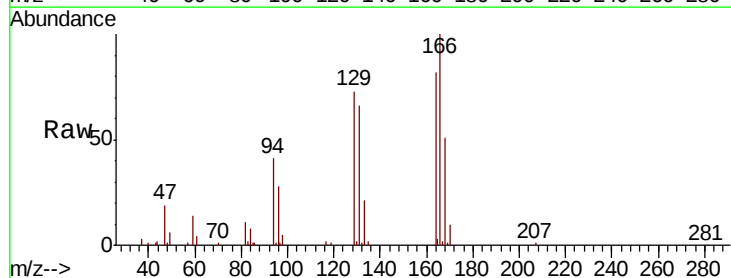
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

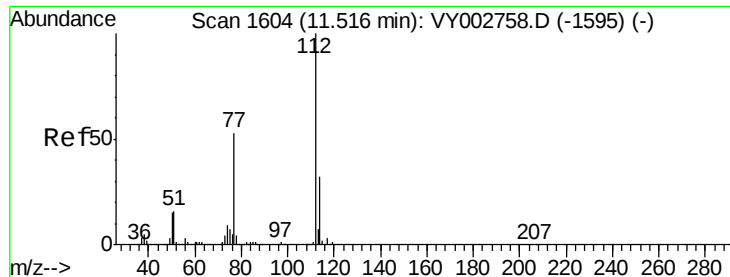
Tot Ion:117 Resp: 413592
Ion Ratio Lower Upper
117 100
82 50.0 40.2 60.4
119 32.5 25.8 38.8



#64
Tetrachloroethene
Concen: 5.240 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion:164 Resp: 20329
Ion Ratio Lower Upper
164 100
166 122.0 102.3 153.5
129 89.4 69.4 104.2
131 80.5 67.8 101.6

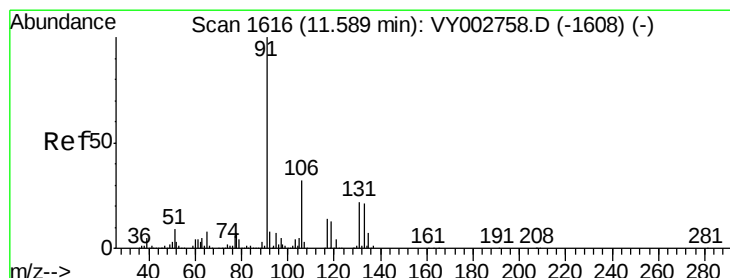
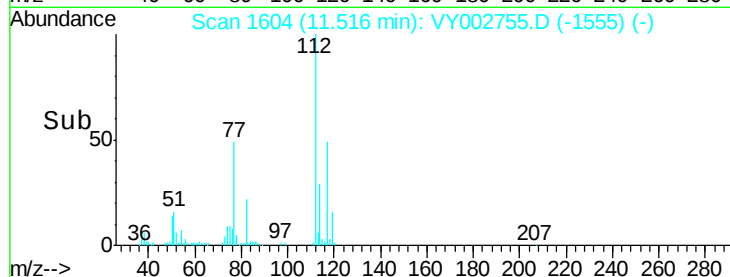
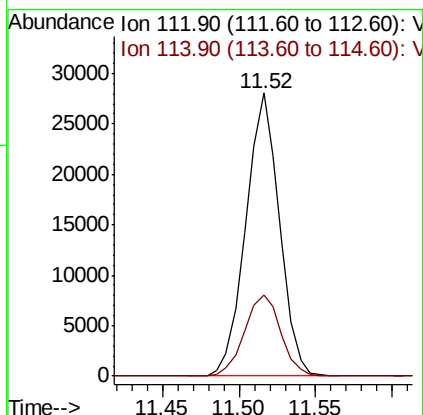
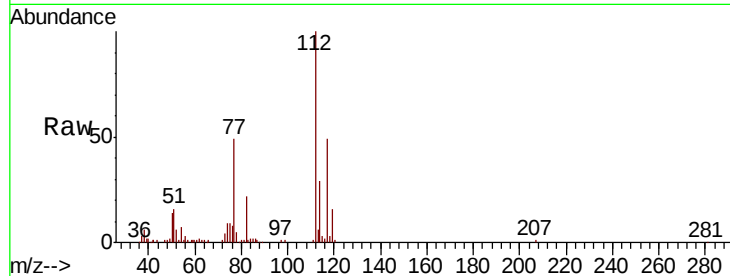




#65
Chlorobenzene
Concen: 5.362 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

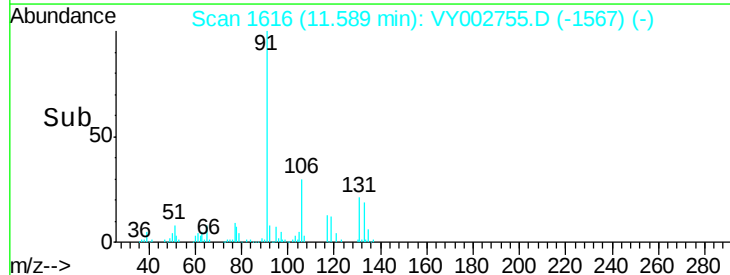
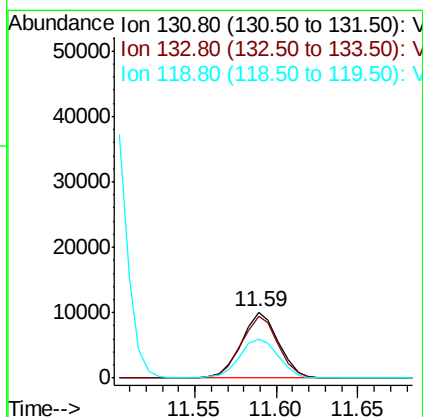
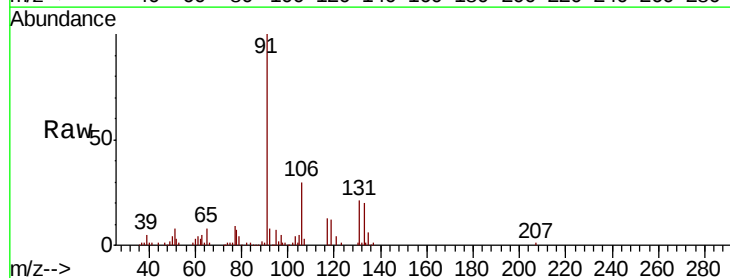
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

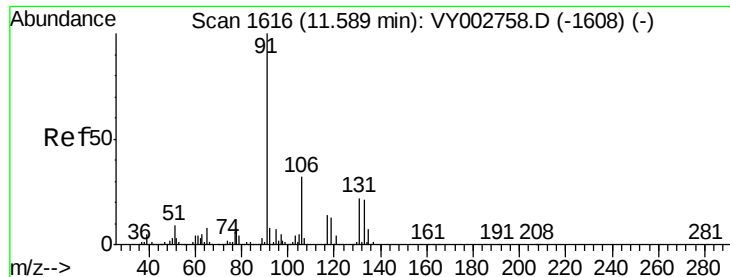
Tot Ion:112 Resp: 42832
Ion Ratio Lower Upper
112 100
114 28.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 5.336 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion:131 Resp: 15879
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.8
119 63.0 31.7 95.1





#67

Ethyl Benzene

Concen: 5.317 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

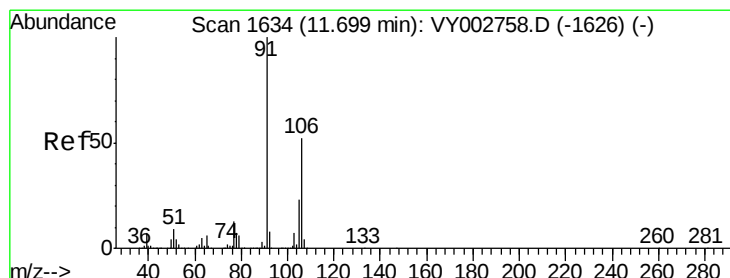
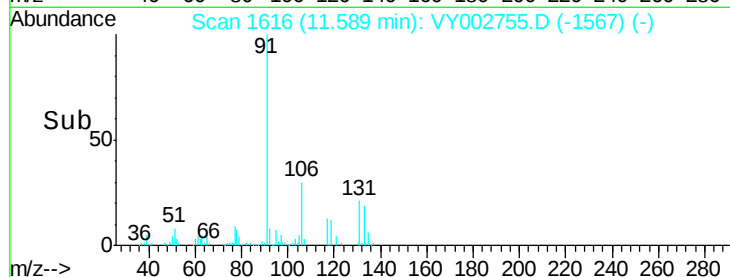
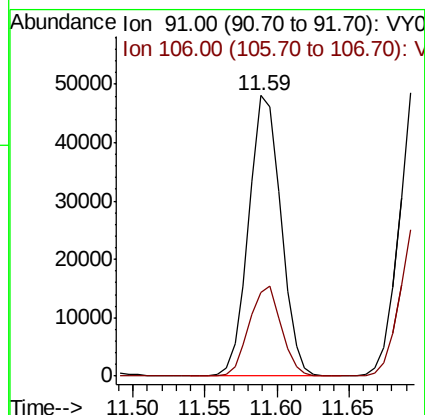
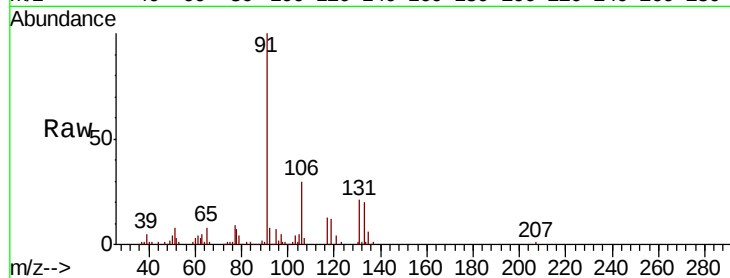
VSTDIC005

Tot Ion: 91 Resp: 74394

Ion Ratio Lower Upper

91 100

106 29.9 25.7 38.5



#68

m/p-Xylenes

Concen: 10.456 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002755.D

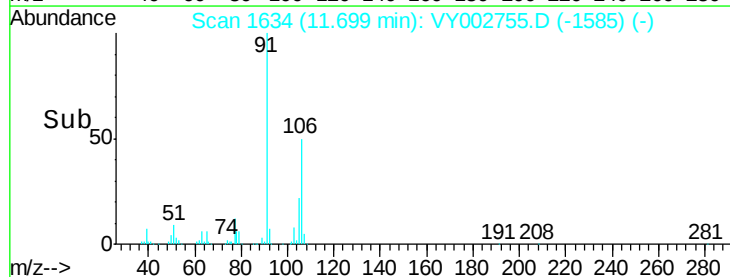
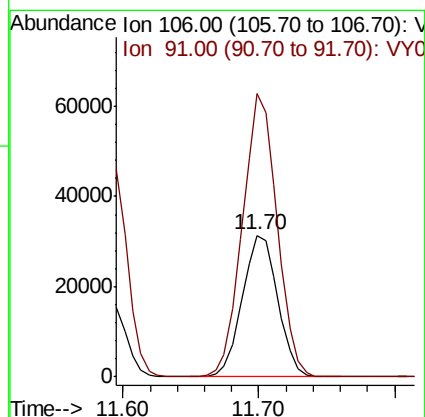
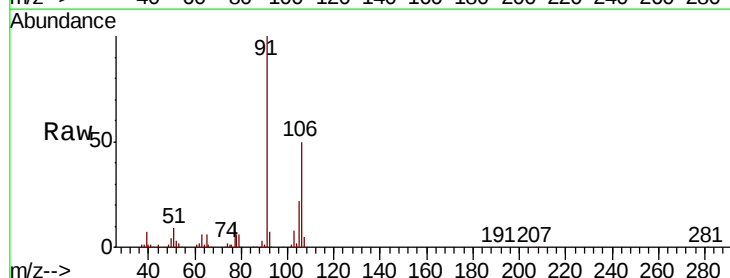
Acq: 27 May 2020 11:04

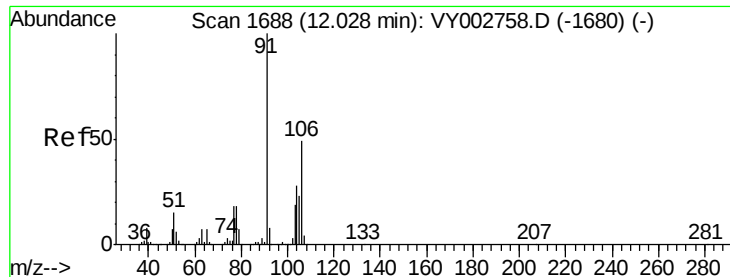
Tgt Ion: 106 Resp: 56930

Ion Ratio Lower Upper

106 100

91 195.7 156.0 234.0

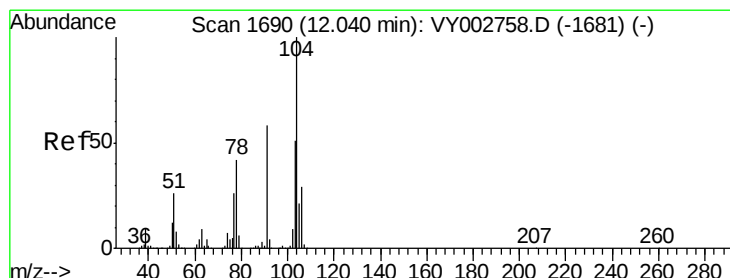
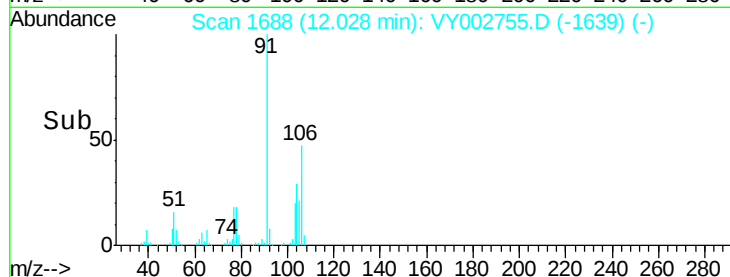
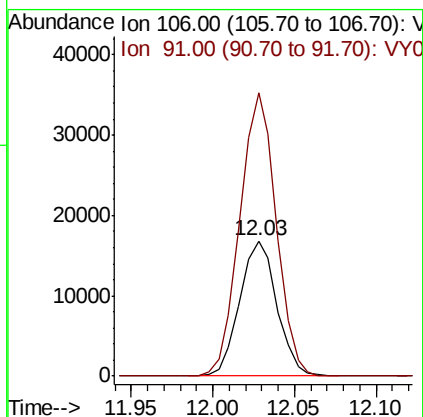
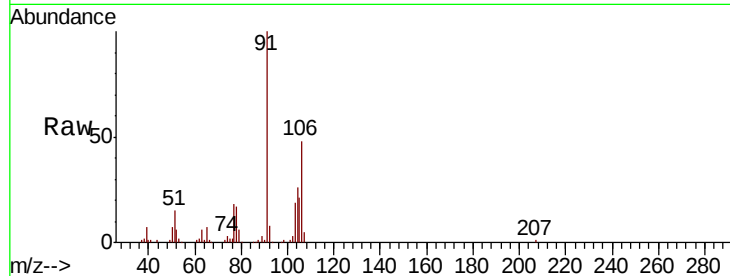




#69
o-Xylene
Concen: 5.212 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

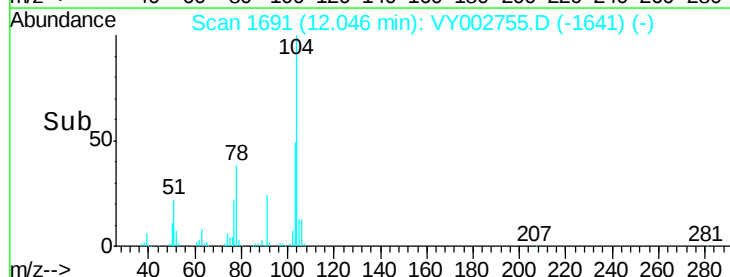
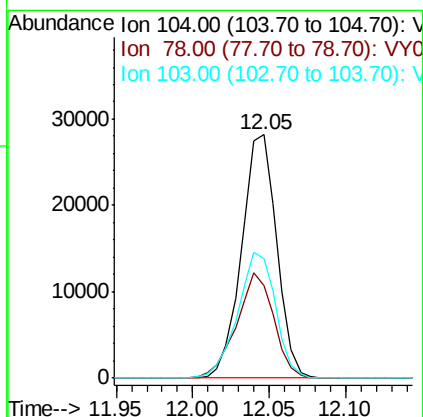
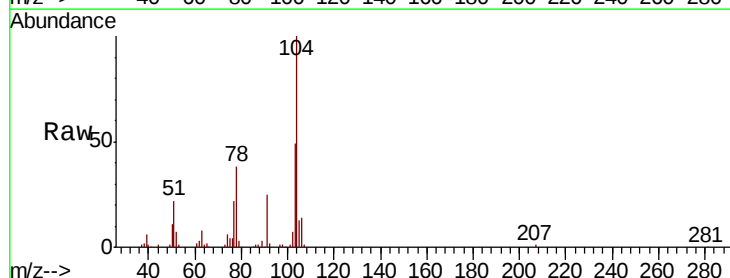
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

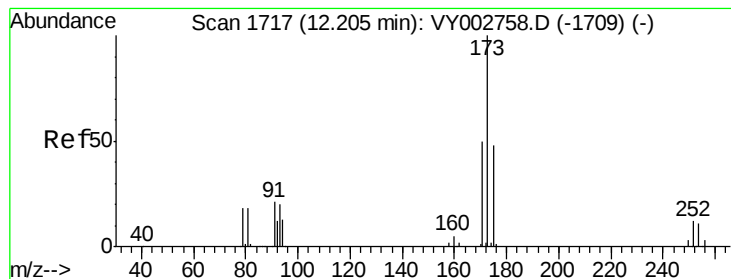
Tot Ion:106 Resp: 26677
Ion Ratio Lower Upper
106 100
91 205.5 102.4 307.1



#70
Styrene
Concen: 5.108 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion:104 Resp: 44947
Ion Ratio Lower Upper
104 100
78 45.9 36.2 54.4
103 55.6 43.6 65.4





#71

Bromoform

Concen: 5.606 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

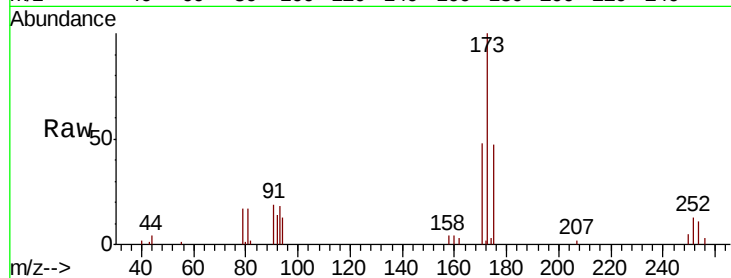
Tot Ion:173 Resp: 10404

Ion Ratio Lower Upper

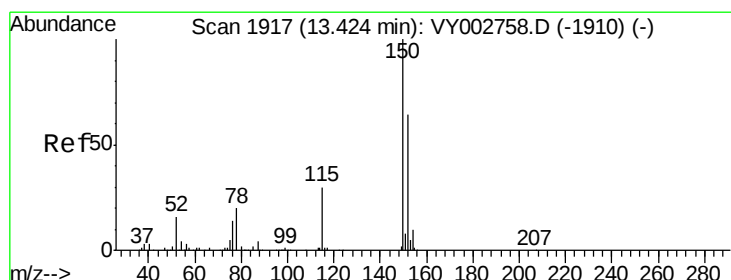
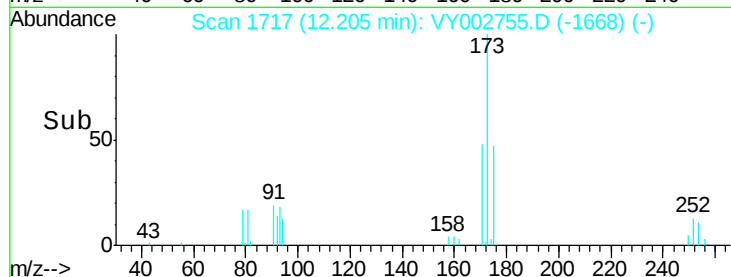
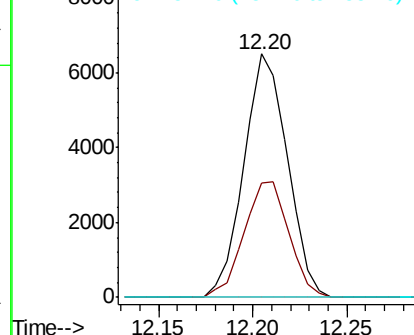
173 100

175 48.9 24.3 72.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

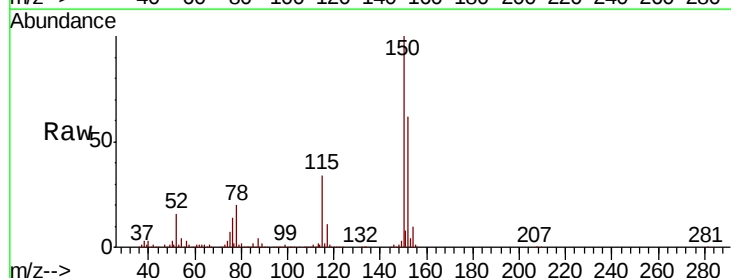
Tgt Ion:152 Resp: 222016

Ion Ratio Lower Upper

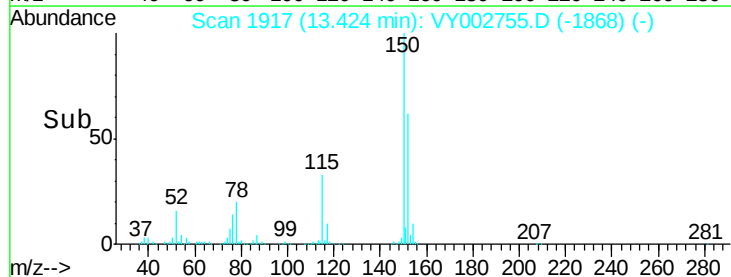
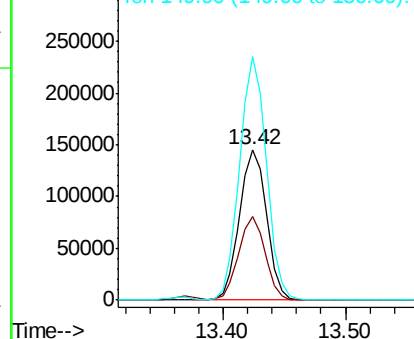
152 100

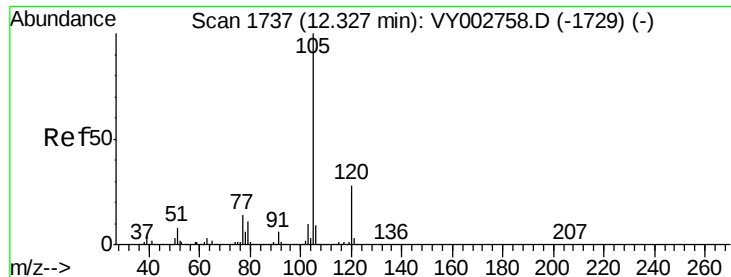
115 54.2 27.0 81.0

150 159.6 0.0 344.8



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: 5.176 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampled :

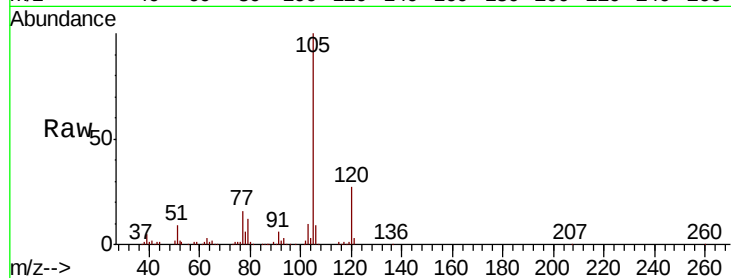
VSTDIC005

Tot Ion:105 Resp: 74581

Ion Ratio Lower Upper

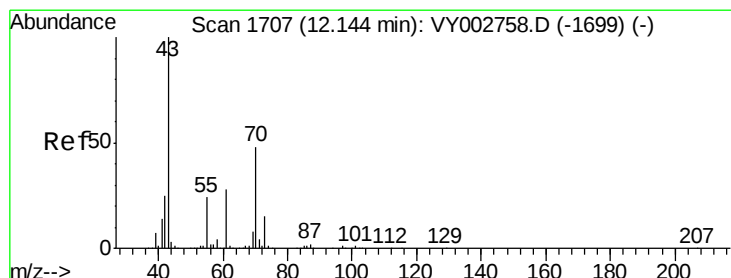
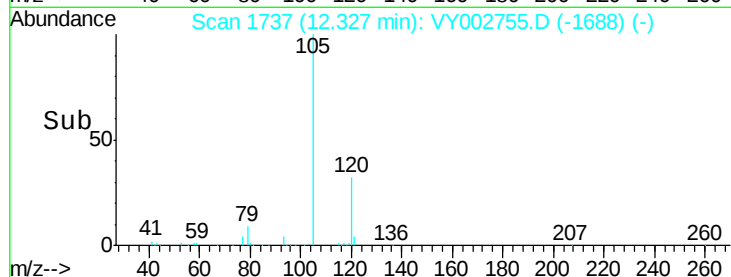
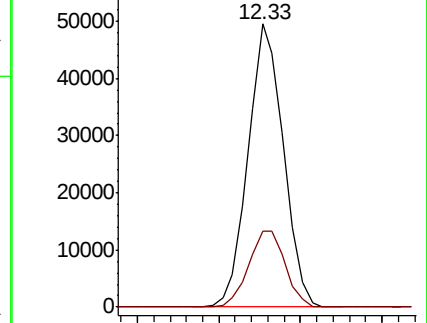
105 100

120 27.9 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.079 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Tgt Ion: 43 Resp: 17417

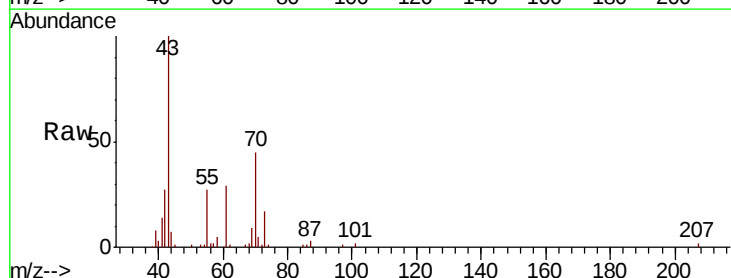
Ion Ratio Lower Upper

43 100

70 46.8 37.7 56.5

55 23.7 19.8 29.6

61 26.9 21.7 32.5

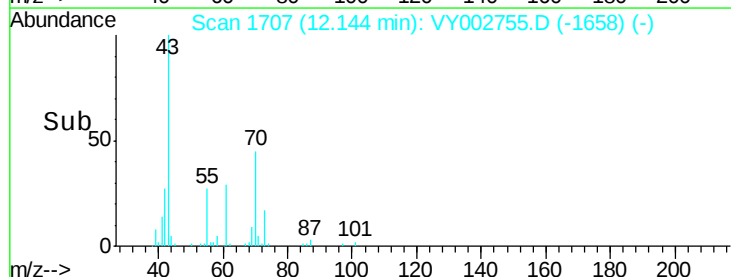
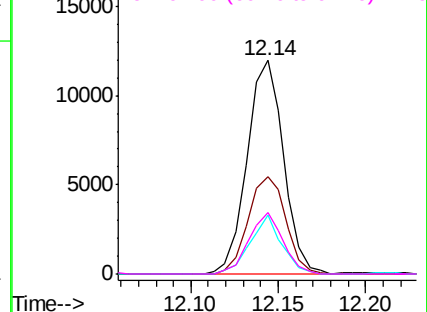


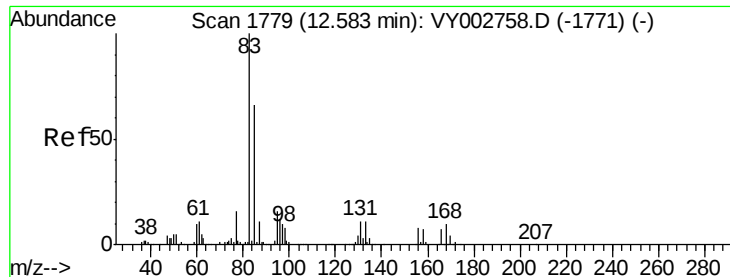
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.754 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

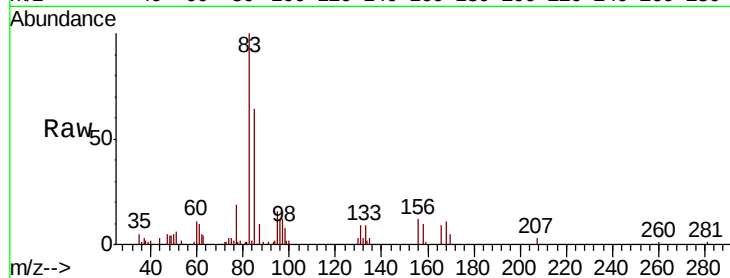
Tot Ion: 83 Resp: 12588

Ion Ratio Lower Upper

83 100

131 11.3 5.8 17.4

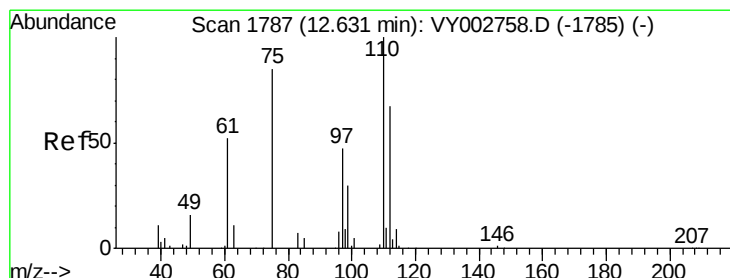
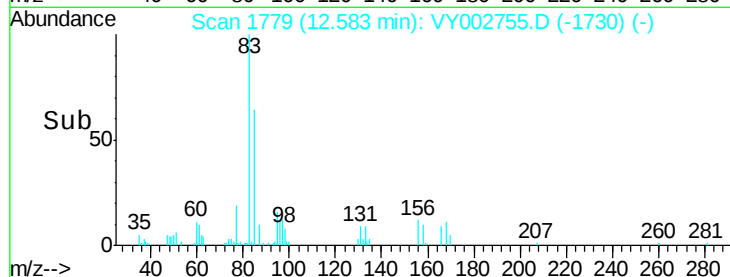
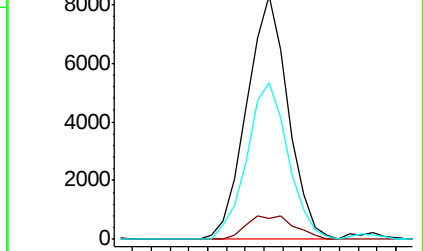
85 64.2 32.6 98.0



Abundance Ion 82.90 (82.60 to 83.60): VY002755.D (-1730) (-)

Ion 130.80 (130.50 to 131.50): VY002755.D (-1730) (-)

Ion 84.90 (84.60 to 85.60): VY002755.D (-1730) (-)



#76

1,2,3-Trichloropropane

Concen: 10.468 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY002755.D

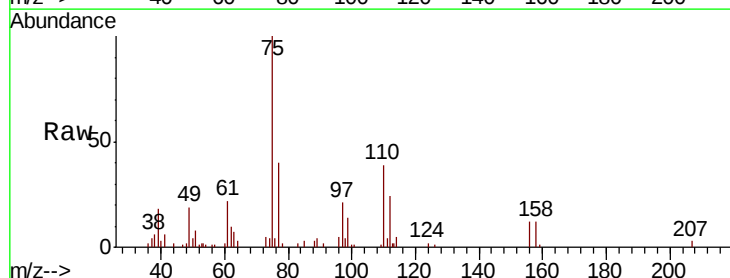
Acq: 27 May 2020 11:04

Tgt Ion: 75 Resp: 19228

Ion Ratio Lower Upper

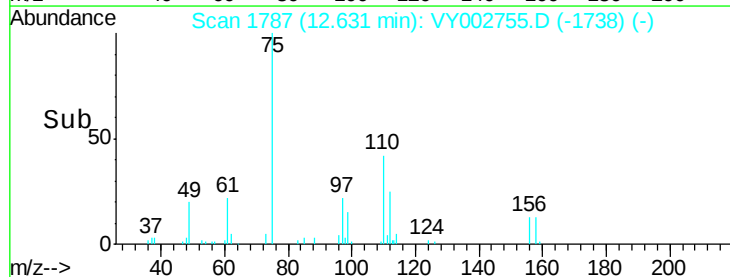
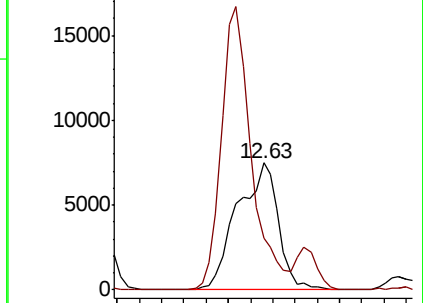
75 100

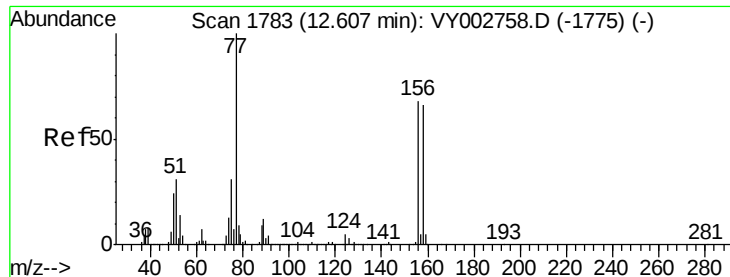
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002755.D (-1738) (-)

Ion 77.00 (76.70 to 77.70): VY002755.D (-1738) (-)





#77

Bromobenzene

Concen: 5.501 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

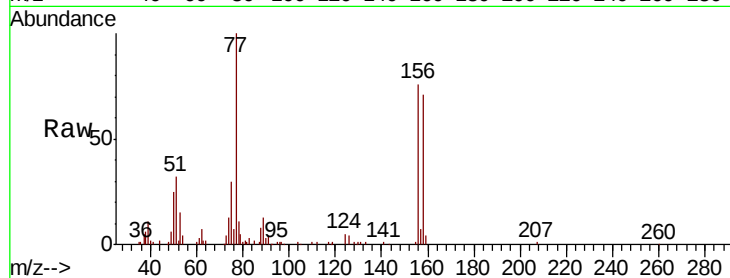
Tot Ion:156 Resp: 19937

Ion Ratio Lower Upper

156 100

77 156.6 81.4 244.2

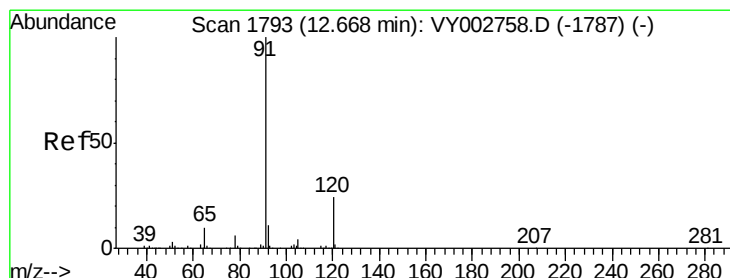
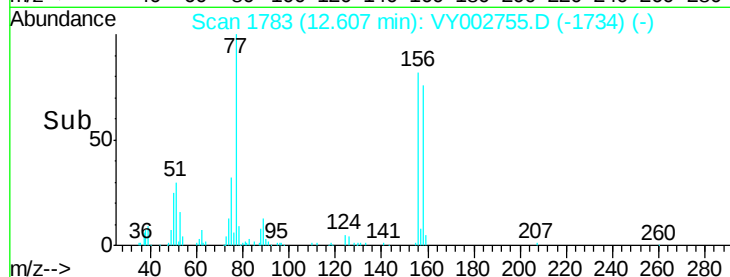
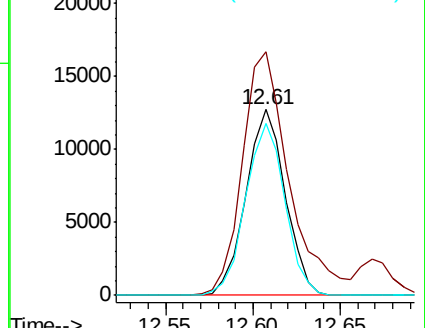
158 92.5 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.153 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002755.D

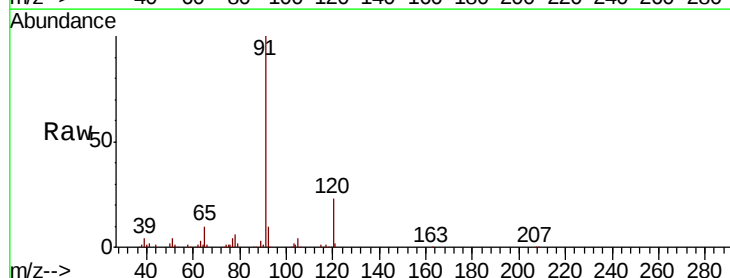
Acq: 27 May 2020 11:04

Tgt Ion: 91 Resp: 86374

Ion Ratio Lower Upper

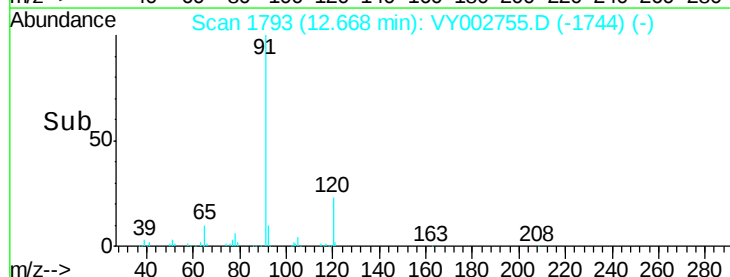
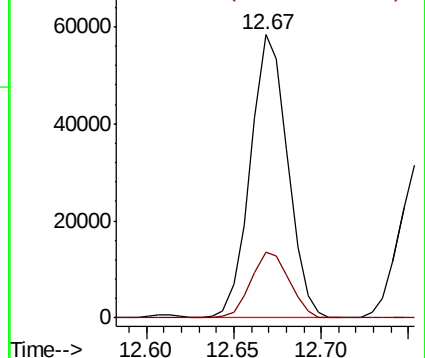
91 100

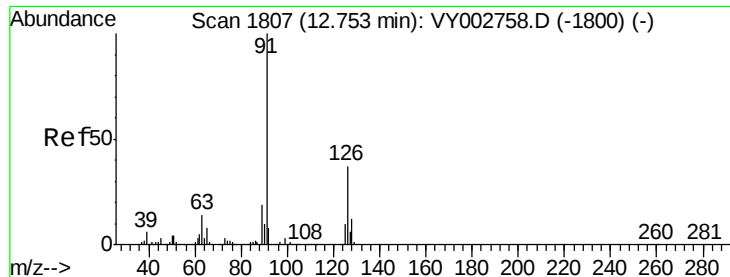
120 24.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.193 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

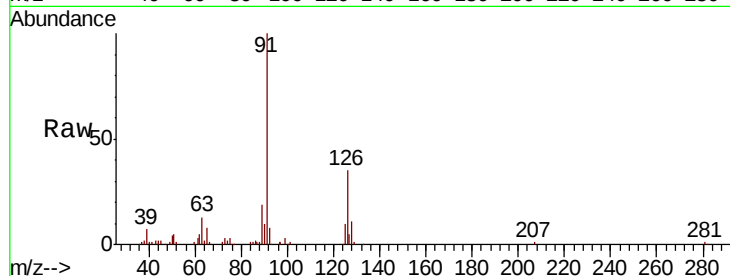
VSTDIC005

Tot Ion: 91 Resp: 48339

Ion Ratio Lower Upper

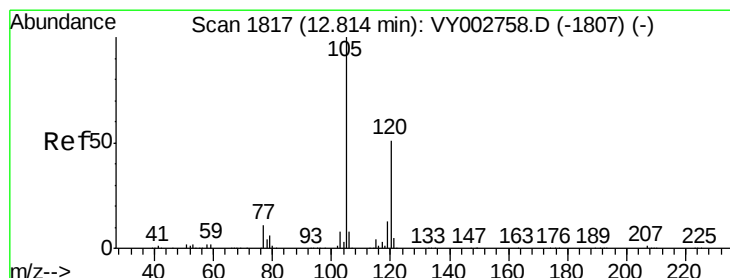
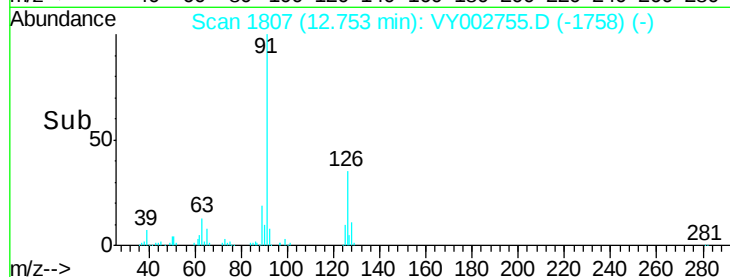
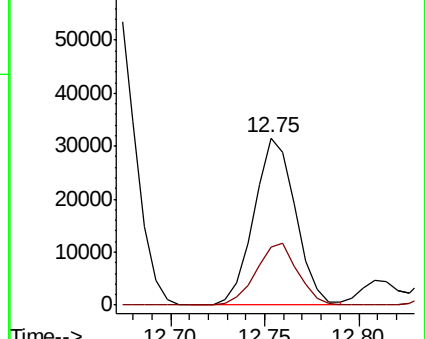
91 100

126 37.1 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): VY002755.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY002755.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.116 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002755.D

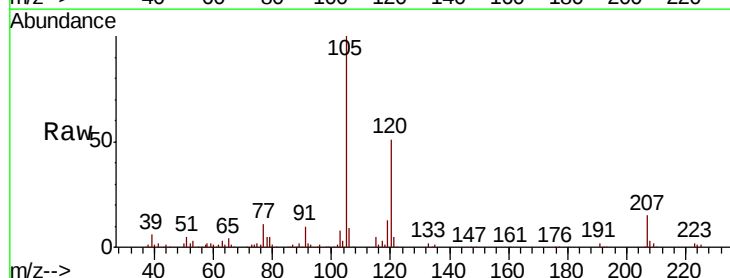
Acq: 27 May 2020 11:04

Tgt Ion: 105 Resp: 61958

Ion Ratio Lower Upper

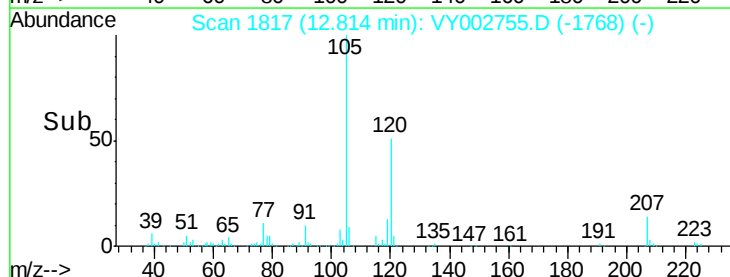
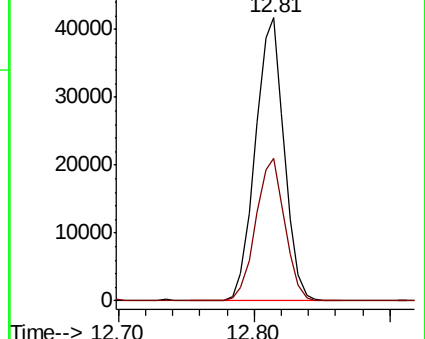
105 100

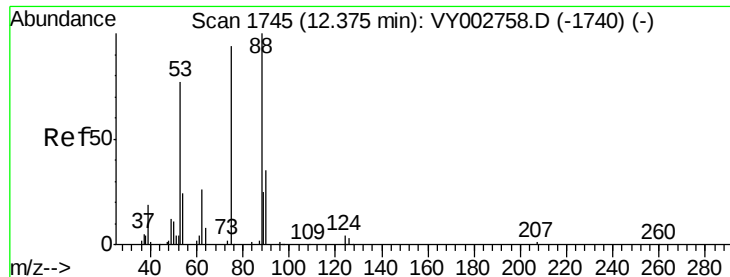
120 50.9 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002755.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY002755.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 5.388 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

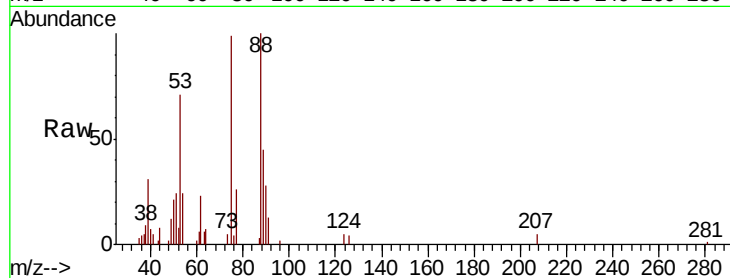
Tot Ion: 75 Resp: 5278

Ion Ratio Lower Upper

75 100

53 79.4 64.0 96.0

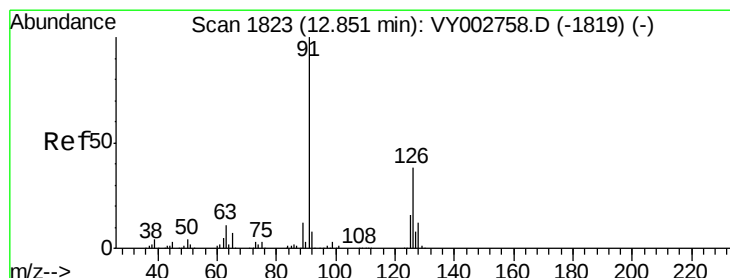
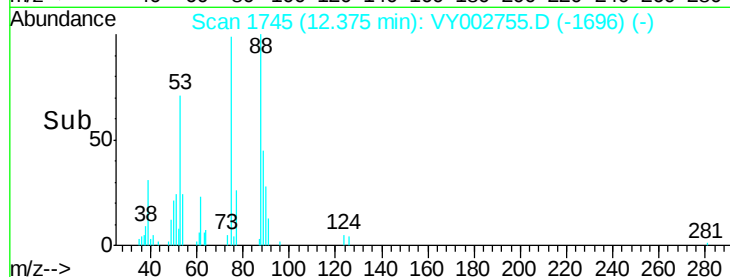
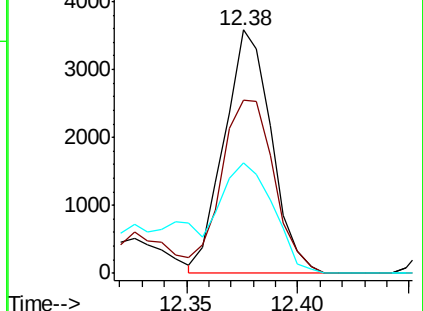
89 50.8 37.4 56.2



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 5.154 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY002755.D

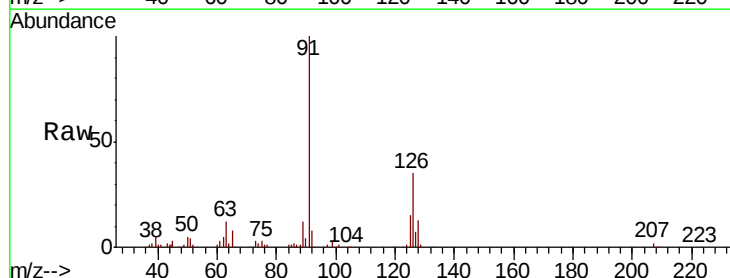
Acq: 27 May 2020 11:04

Tgt Ion: 91 Resp: 50402

Ion Ratio Lower Upper

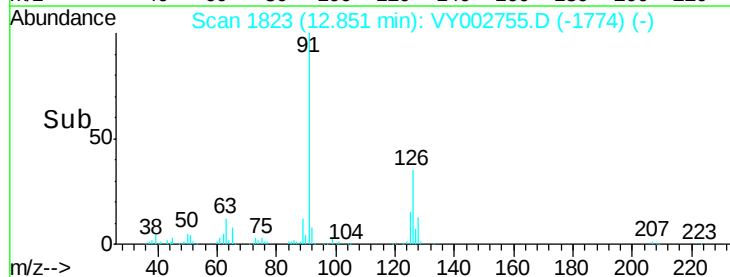
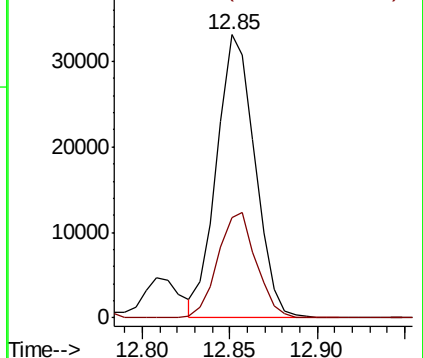
91 100

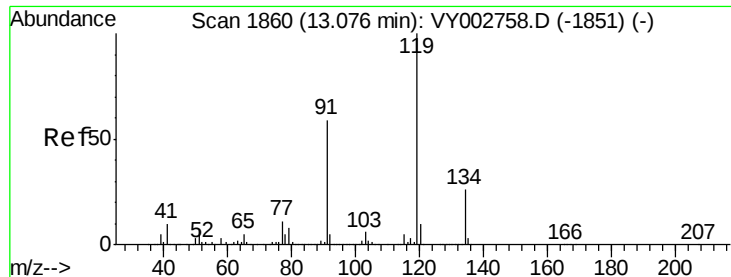
126 37.2 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

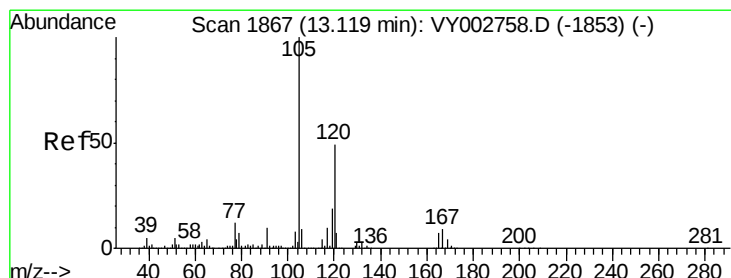
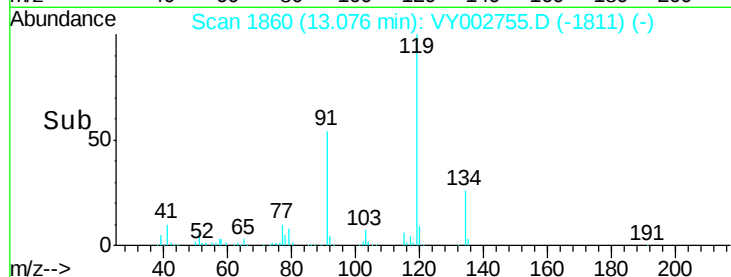
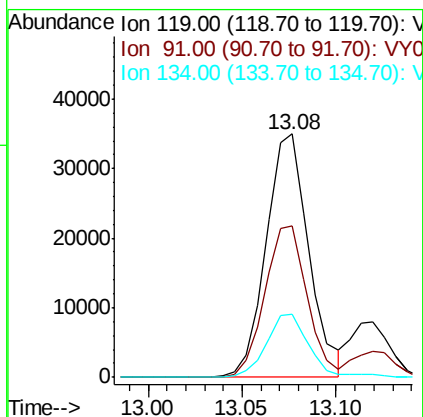
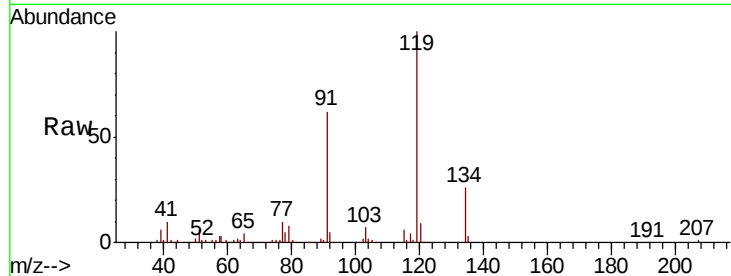




#83
tert-Butylbenzene
Concen: 5.118 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

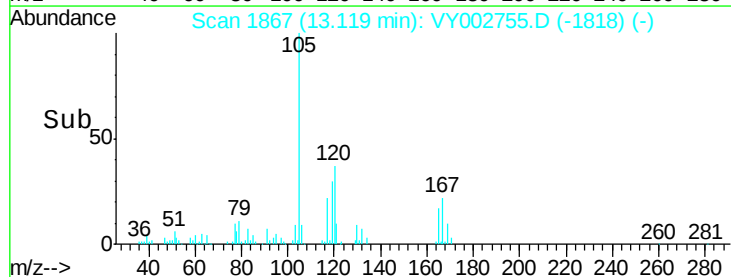
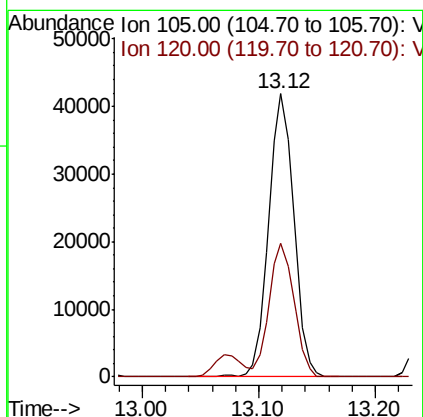
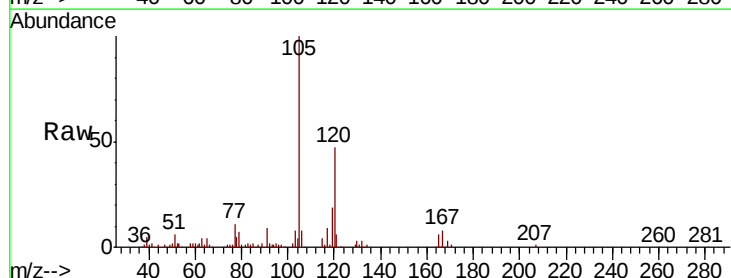
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

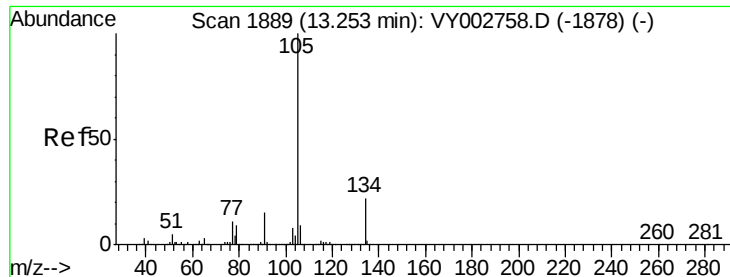
Tot Ion:119 Resp: 54993
Ion Ratio Lower Upper
119 100
91 61.6 29.8 89.4
134 26.4 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 5.166 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion:105 Resp: 62628
Ion Ratio Lower Upper
105 100
120 46.4 23.6 70.8





#85

sec-Butylbenzene

Concen: 5.242 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampleId :

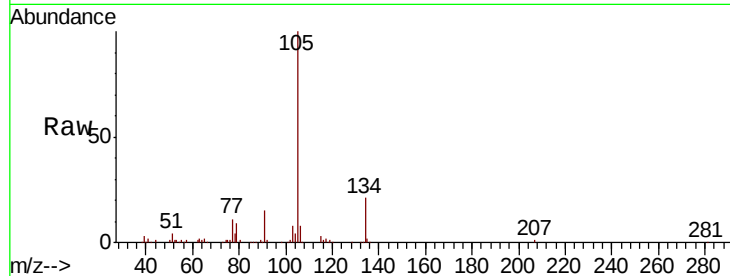
VSTDIC005

Tot Ion:105 Resp: 77534

Ion Ratio Lower Upper

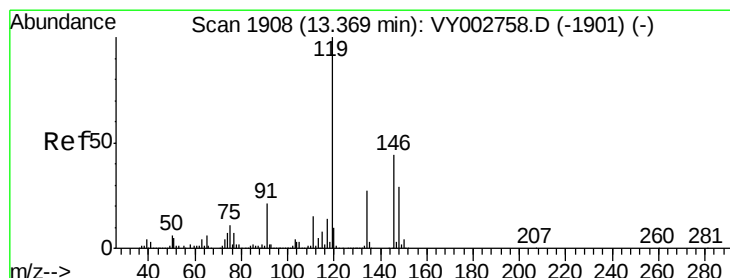
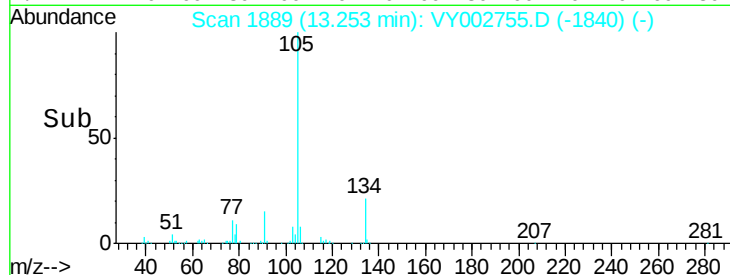
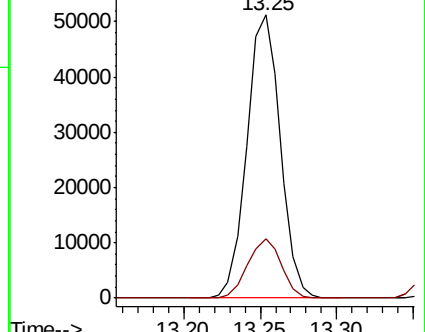
105 100

134 21.0 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.078 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

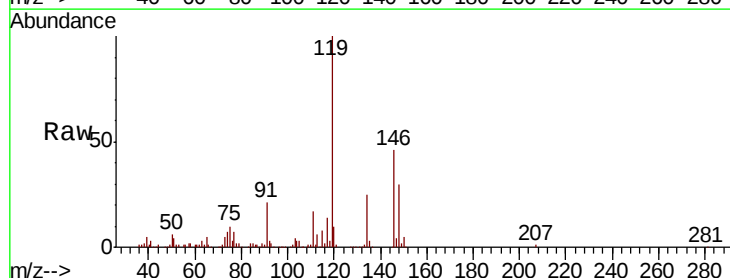
Tgt Ion:119 Resp: 70216

Ion Ratio Lower Upper

119 100

134 27.9 13.7 41.0

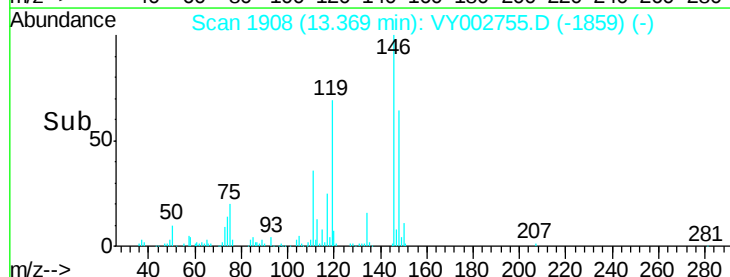
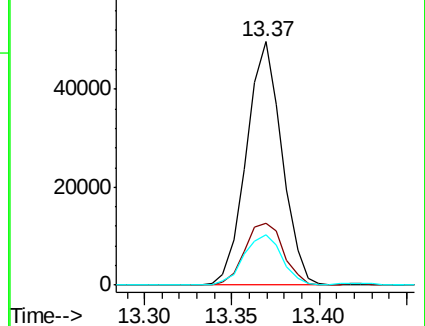
91 22.4 10.8 32.4

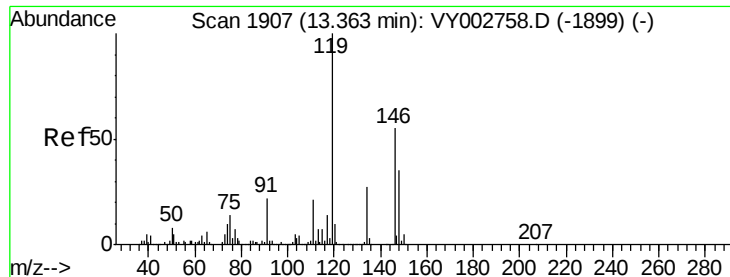


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

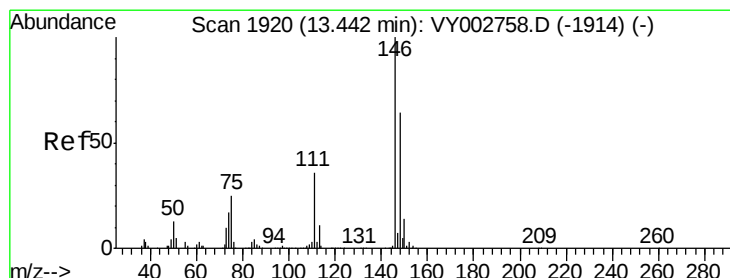
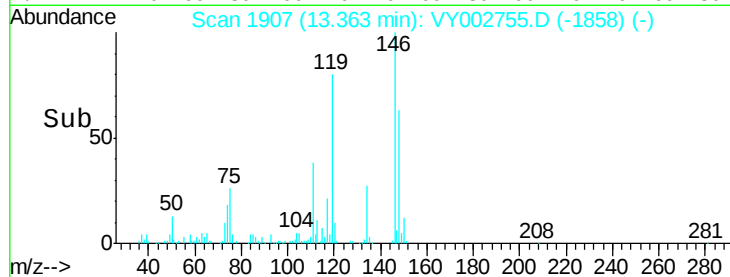
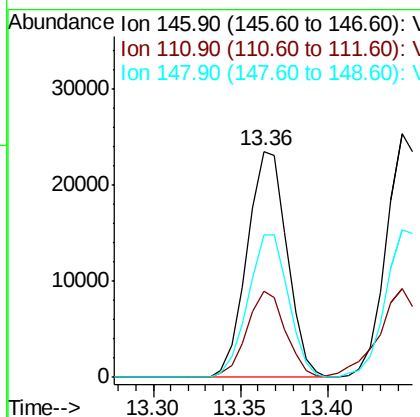
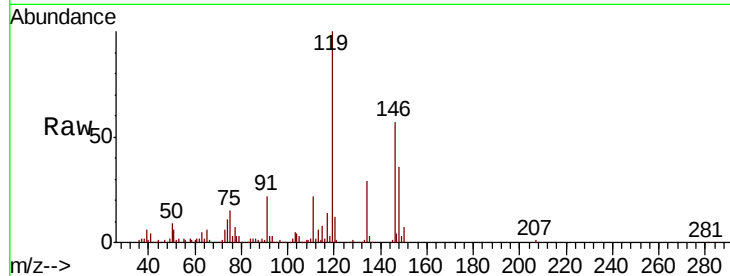




#87
 1,3-Dichlorobenzene
 Concen: 5.366 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

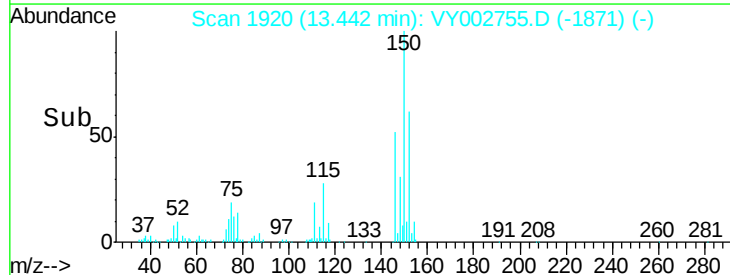
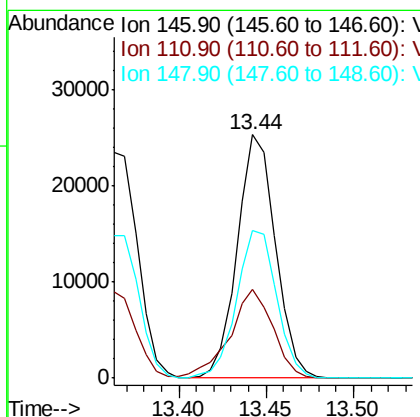
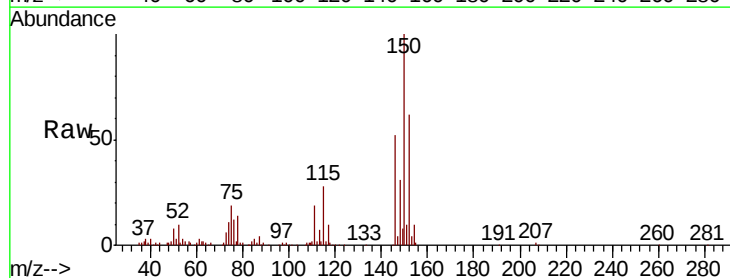
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

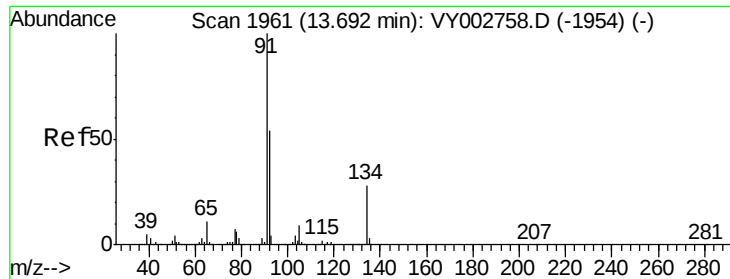
Tot Ion:146 Resp: 37502
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.0
 148 63.6 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 5.529 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion:146 Resp: 38467
 Ion Ratio Lower Upper
 146 100
 111 41.5 18.1 54.3
 148 63.8 32.1 96.3

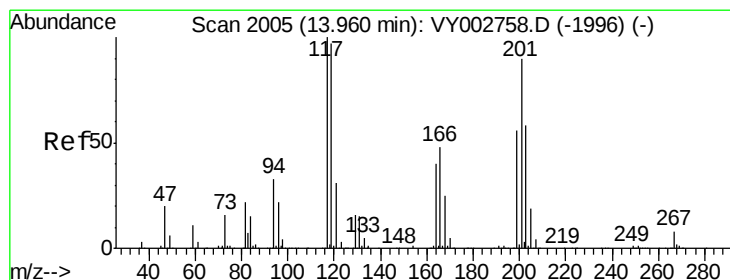
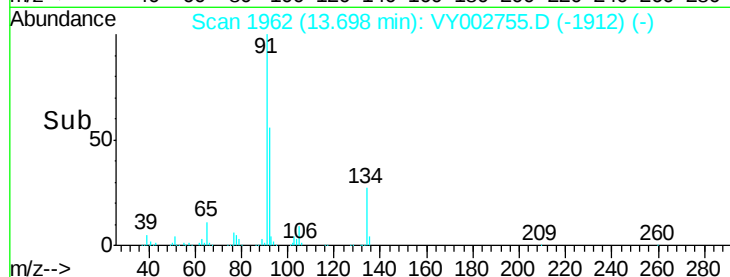
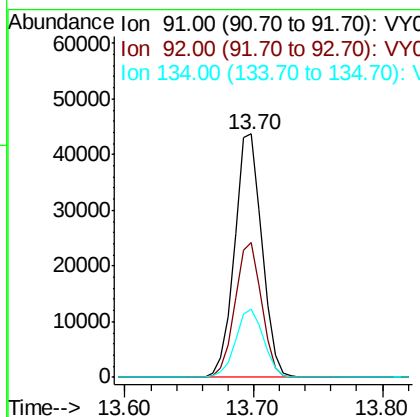
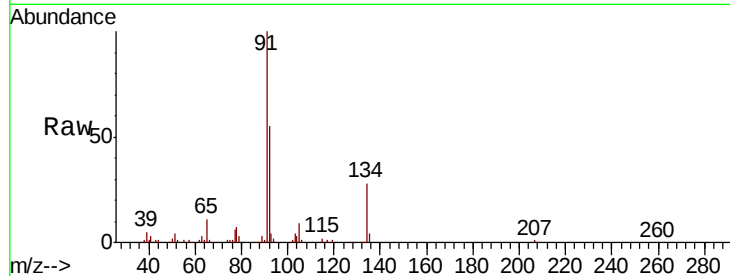




#89
n-Butylbenzene
Concen: 5.076 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

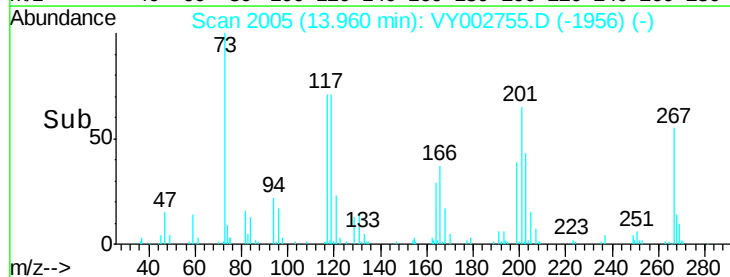
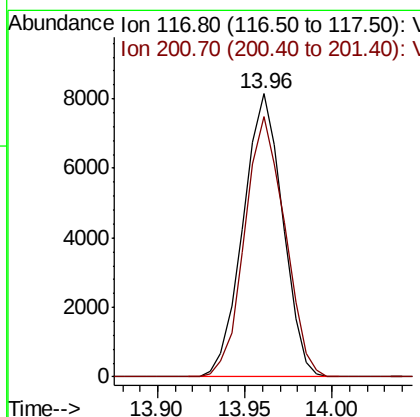
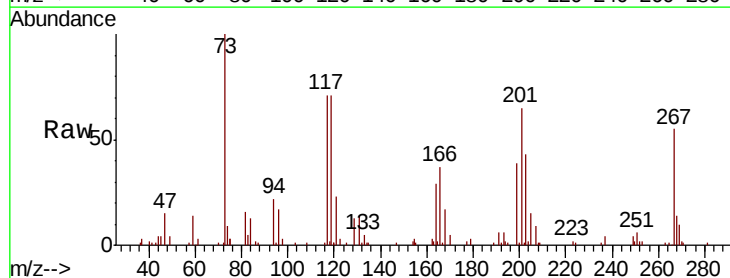
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

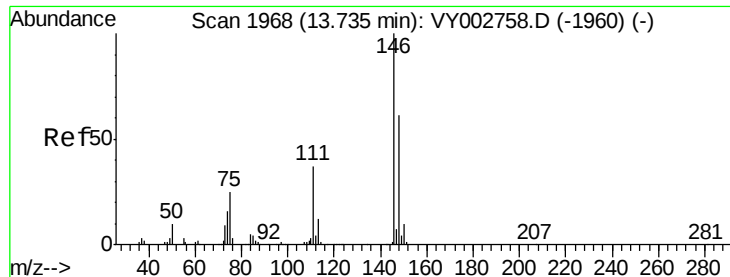
Tot Ion: 91 Resp: 64466
Ion Ratio Lower Upper
91 100
92 53.9 27.1 81.2
134 28.6 14.3 42.9



#90
Hexachloroethane
Concen: 4.990 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion: 117 Resp: 12813
Ion Ratio Lower Upper
117 100
201 93.1 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 5.323 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC005

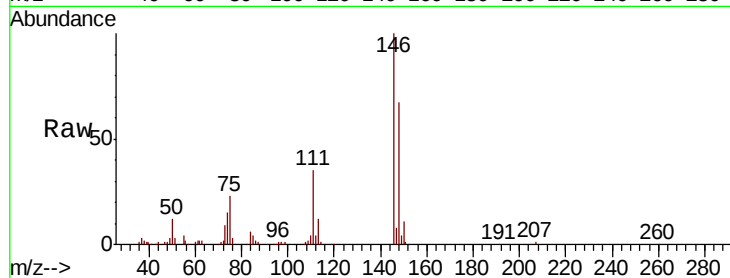
Tot Ion:146 Resp: 33456

Ion Ratio Lower Upper

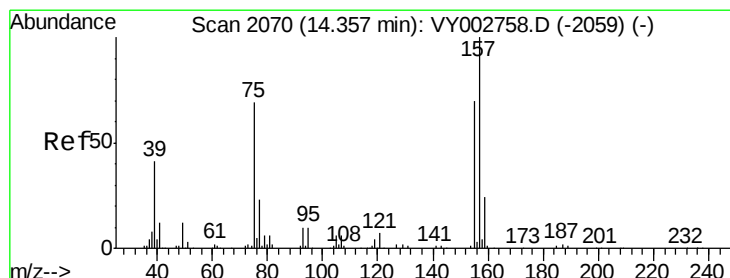
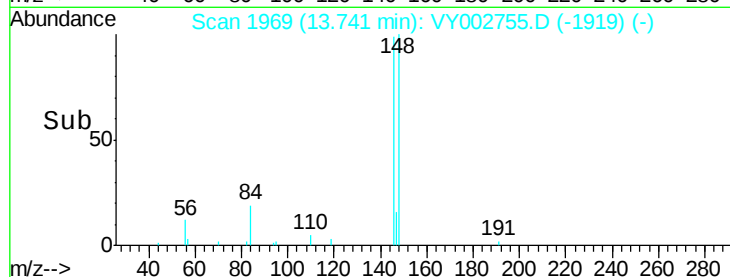
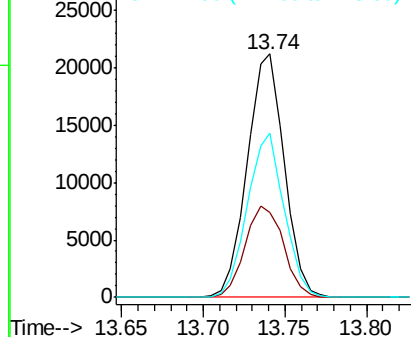
146 100

111 39.0 18.9 56.9

148 66.9 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.746 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY002755.D

Acq: 27 May 2020 11:04

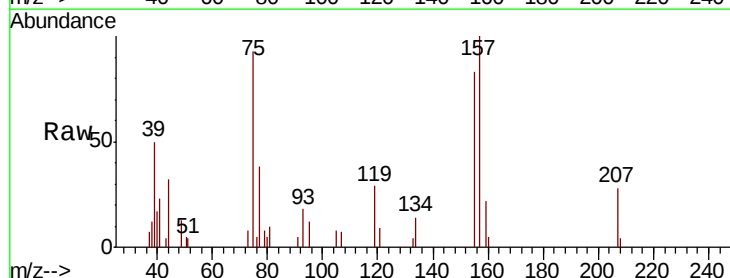
Tgt Ion: 75 Resp: 2414

Ion Ratio Lower Upper

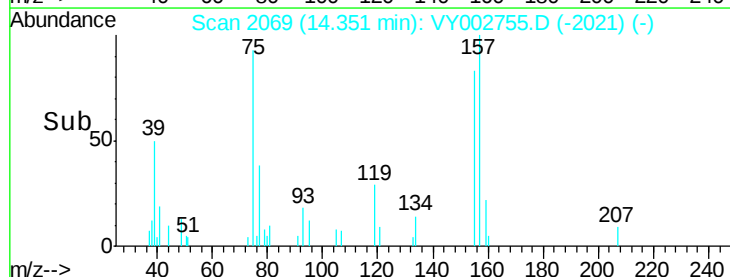
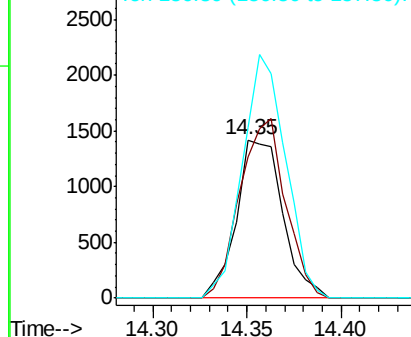
75 100

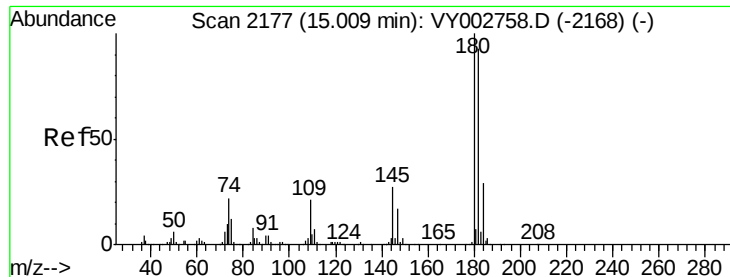
155 112.3 53.5 160.5

157 144.2 69.9 209.7



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

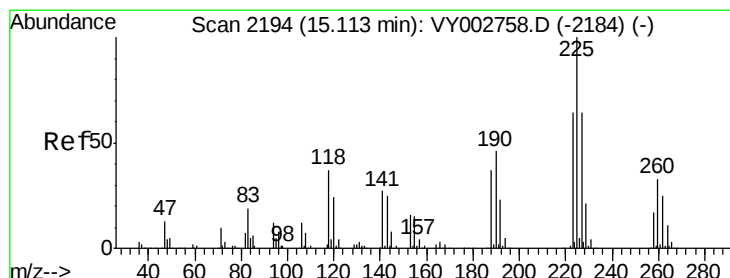
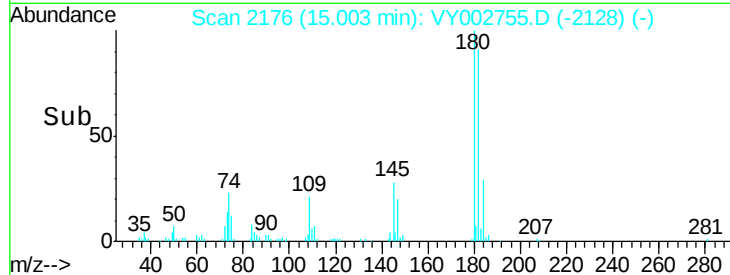
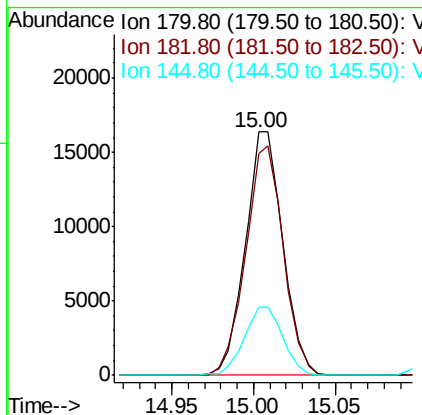
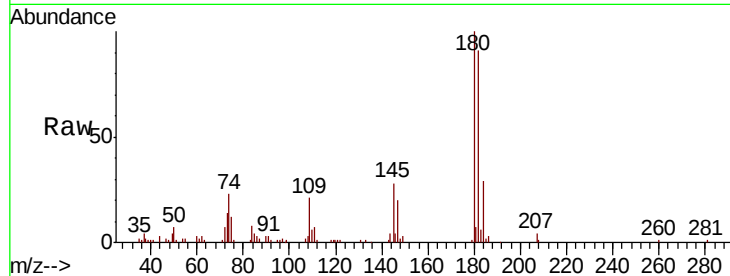




#93
 1,2,4-Trichlorobenzene
 Concen: 5.366 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

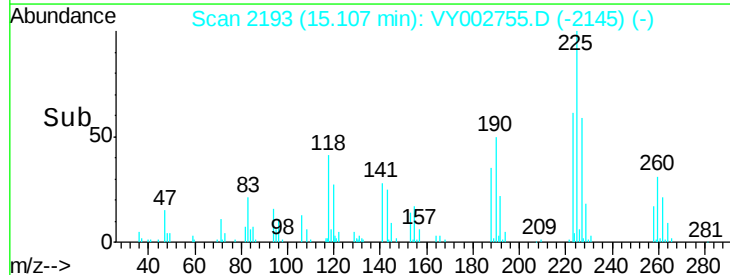
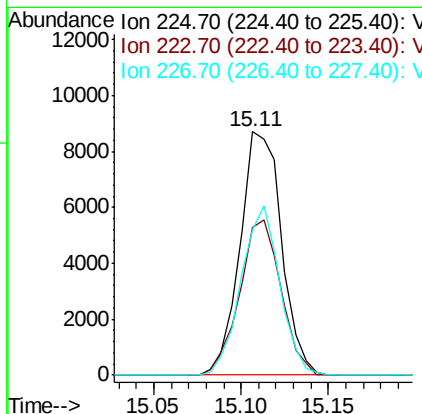
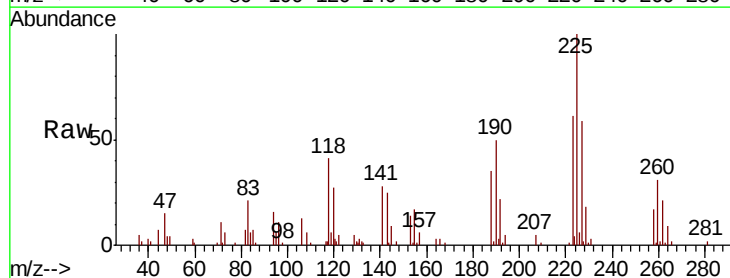
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

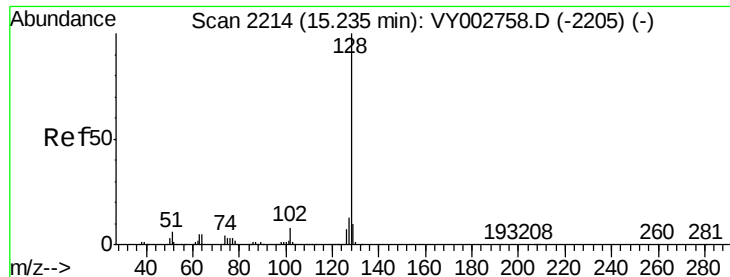
Tot Ion:180 Resp: 26108
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.3 141.9
 145 28.9 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 4.909 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY002755.D
 Acq: 27 May 2020 11:04

Tgt Ion:225 Resp: 14356
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.6 95.0
 227 64.6 32.3 96.9

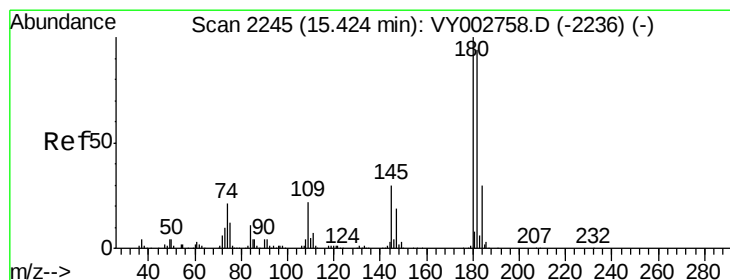
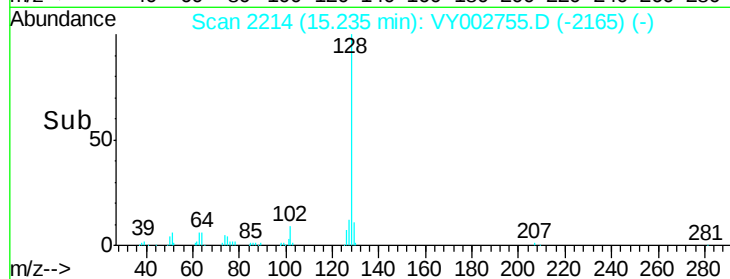
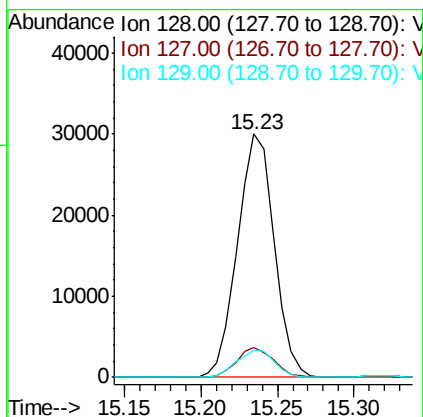
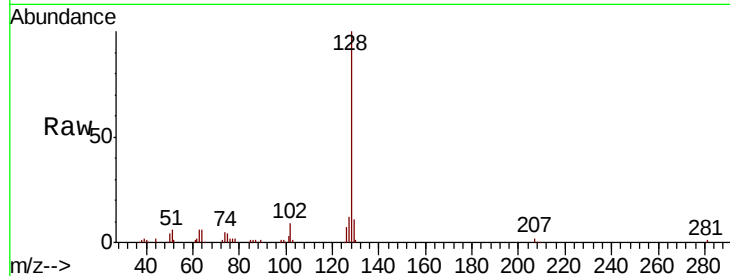




#95
Naphthalene
Concen: 5.677 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 50049
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 11.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 5.417 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002755.D
Acq: 27 May 2020 11:04

Tgt Ion:180 Resp: 23008
Ion Ratio Lower Upper
180 100
182 94.8 48.1 144.4
145 30.8 15.1 45.3

