

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042920\
 Data File : VY002504.D
 Acq On : 29 Apr 2020 12:54
 Operator : SY/MD
 Sample : VY0429SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

Quant Time: Apr 30 04:40:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	304457	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	437958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	400177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	208922	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	103809	39.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.02%	
35) Dibromofluoromethane	7.74	113	99565	40.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.60%	
50) Toluene-d8	10.19	98	389335	39.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.42%	
62) 4-Bromofluorobenzene	12.49	95	133040	39.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	39695	17.803	ug/l	98
3) Chloromethane	2.12	50	48784	17.196	ug/l	98
4) Vinyl Chloride	2.26	62	38183	18.735	ug/l	99
5) Bromomethane	2.66	94	19398	16.959	ug/l	95
6) Chloroethane	2.80	64	14759	15.848	ug/l	100
7) Trichlorofluoromethane	3.14	101	58758	15.900	ug/l	99
8) Diethyl Ether	3.55	74	15102	9.914	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.92	101	43863	17.243	ug/l	98
10) Methyl Iodide	4.11	142	63209	16.107	ug/l	99
11) Tert butyl alcohol	4.99	59	20957	83.675	ug/l	98
12) 1,1-Dichloroethene	3.89	96	43443	16.668	ug/l	94
13) Acrolein	3.76	56	9757	48.665	ug/l	94
14) Allyl chloride	4.51	41	58071	15.161	ug/l	98
15) Acrylonitrile	5.19	53	55679	76.396	ug/l	99
16) Acetone	3.97	43	44523	80.061	ug/l	91
17) Carbon Disulfide	4.21	76	126309	15.542	ug/l	100
18) Methyl Acetate	4.50	43	24870	13.898	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	115386	16.407	ug/l	99
20) Methylene Chloride	4.74	84	48923	15.409	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	47464	16.176	ug/l	92
22) Diisopropyl ether	6.15	45	114790	15.158	ug/l	96
23) Vinyl Acetate	6.09	43	363386	75.514	ug/l	98
24) 1,1-Dichloroethane	6.04	63	71921	15.686	ug/l	99
25) 2-Butanone	7.01	43	62909	73.839	ug/l	98
26) 2,2-Dichloropropane	7.00	77	76780	17.510	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	52814	16.548	ug/l	99
28) Bromochloromethane	7.36	49	27889	15.591	ug/l	89
29) Tetrahydrofuran	7.37	42	40072	70.941	ug/l	94
30) Chloroform	7.53	83	78375	16.054	ug/l	99
31) Cyclohexane	7.80	56	69822	15.229	ug/l	# 89
32) 1,1,1-Trichloroethane	7.72	97	79547	17.244	ug/l	99
36) 1,1-Dichloropropene	7.94	75	61373	16.343	ug/l	99
37) Ethyl Acetate	7.10	43	29041	15.393	ug/l	100
38) Carbon Tetrachloride	7.92	117	75875	17.570	ug/l	97

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 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 VY0429SBS01

Quant Time: Apr 30 04:40:59 2020
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 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	79777	16.285	ug/l	96
40) Benzene	8.18	78	180389	16.620	ug/l	100
41) Methacrylonitrile	7.33	41	13468m	11.587	ug/l	
42) 1,2-Dichloroethane	8.25	62	53988	17.123	ug/l	99
43) Isopropyl Acetate	8.28	43	52698	14.935	ug/l	98
44) Trichloroethene	8.96	130	58239	17.160	ug/l	94
45) 1,2-Dichloropropane	9.23	63	39408	15.753	ug/l	100
46) Dibromomethane	9.32	93	24351	16.638	ug/l	98
47) Bromodichloromethane	9.51	83	61323	16.755	ug/l	97
48) Methyl methacrylate	9.30	41	24695	15.331	ug/l	99
49) 1,4-Dioxane	9.32	88	6209	332.888	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	140552	76.688	ug/l	98
52) Toluene	10.25	92	117413	16.805	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	64922	16.890	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	71843	16.330	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	35527	16.417	ug/l	96
56) Ethyl methacrylate	10.52	69	46747	15.810	ug/l	97
57) 1,3-Dichloropropane	10.80	76	59802	16.369	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	111822	78.205	ug/l	97
59) 2-Hexanone	10.84	43	94788	74.197	ug/l	100
60) Dibromochloromethane	11.00	129	48312	17.038	ug/l	97
61) 1,2-Dibromoethane	11.10	107	34045	15.866	ug/l	98
64) Tetrachloroethene	10.73	164	63399	17.286	ug/l	94
65) Chlorobenzene	11.53	112	132453	17.169	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	50171	17.332	ug/l	99
67) Ethyl Benzene	11.60	91	233845	17.007	ug/l	98
68) m/p-Xylenes	11.71	106	179968	34.001	ug/l	98
69) o-Xylene	12.03	106	84791	17.299	ug/l	100
70) Styrene	12.05	104	146611	17.178	ug/l	100
71) Bromoform	12.22	173	29870	16.380	ug/l #	97
73) Isopropylbenzene	12.34	105	237456	17.001	ug/l	99
74) N-amyl acetate	12.15	43	48318	14.599	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	32425	15.115	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	31068m	17.545	ug/l	
77) Bromobenzene	12.62	156	59372	16.949	ug/l	96
78) n-propylbenzene	12.68	91	269480	16.617	ug/l	99
79) 2-Chlorotoluene	12.77	91	148479	16.732	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	200490	16.912	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14823	15.491	ug/l	98
82) 4-Chlorotoluene	12.86	91	156117	17.022	ug/l	100
83) tert-Butylbenzene	13.08	119	174168	16.919	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	200644	17.641	ug/l	99
85) sec-Butylbenzene	13.26	105	237430	17.225	ug/l	99
86) p-Isopropyltoluene	13.38	119	230314	17.520	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	112391	17.347	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	109552	17.004	ug/l	99
89) n-Butylbenzene	13.70	91	204469	16.861	ug/l	99
90) Hexachloroethane	13.97	117	39550	16.646	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	100521	18.016	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6546	15.370	ug/l	98

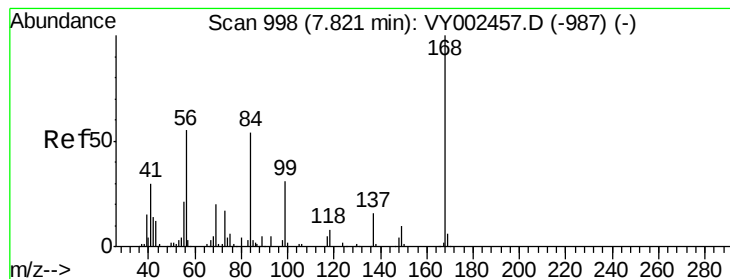
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY042920\
Data File : VY002504.D
Acq On : 29 Apr 2020 12:54
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Sample : VY0429SBSD01
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Quant Time: Apr 30 04:40:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 14:11:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	75917	17.239	ug/l	100
94) Hexachlorobutadiene	15.12	225	48259	18.158	ug/l	100
95) Naphthalene	15.24	128	133877	16.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	64716	17.326	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

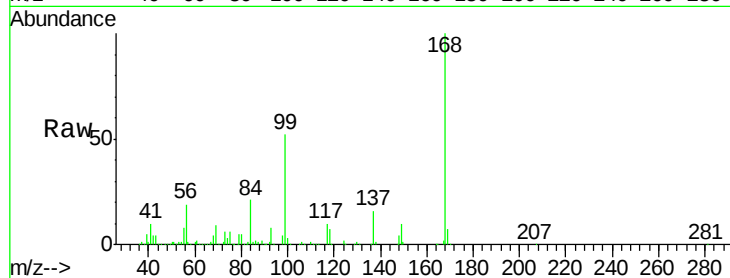
VY0429SBS01

Tot Ion:168 Resp: 304457

Ion Ratio Lower Upper

168 100

99 52.1 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.81

150000

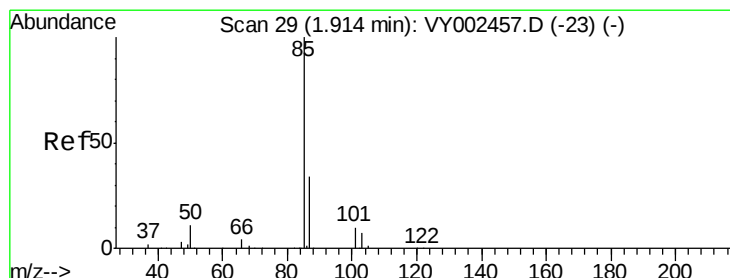
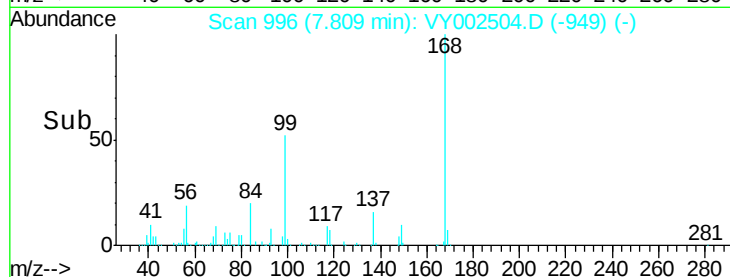
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.803 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY002504.D

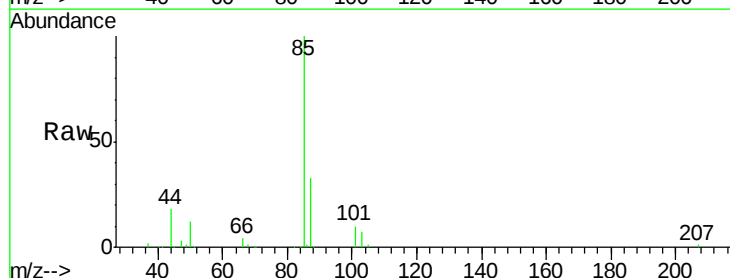
Acq: 29 Apr 2020 12:54

Tgt Ion: 85 Resp: 39695

Ion Ratio Lower Upper

85 100

87 33.0 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

30000

25000

20000

15000

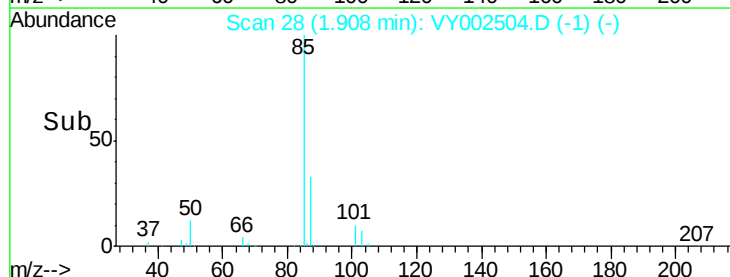
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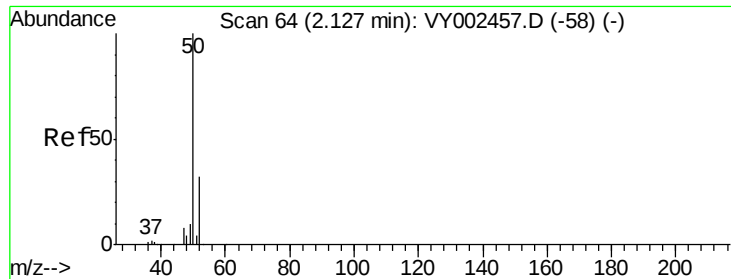
5000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 17.196 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

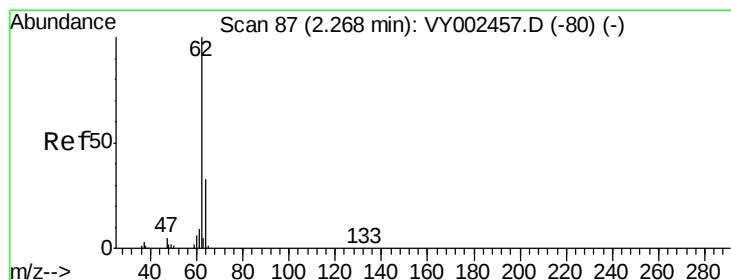
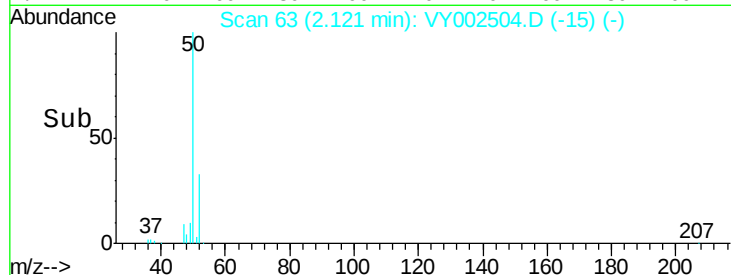
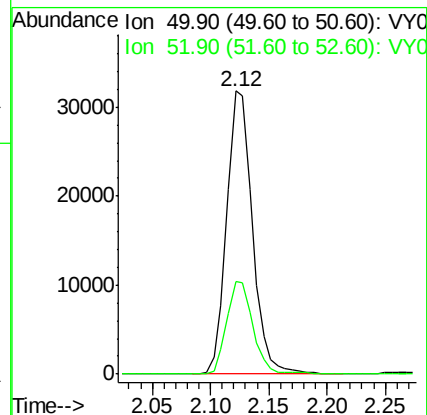
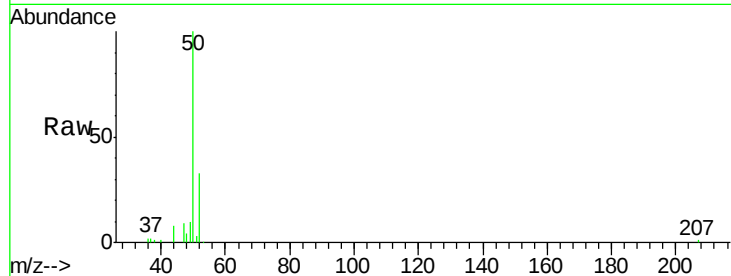
VY0429SBS01

Tot Ion: 50 Resp: 48784

Ion Ratio Lower Upper

50 100

52 32.7 25.2 37.8



#4

Vinyl Chloride

Concen: 18.735 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY002504.D

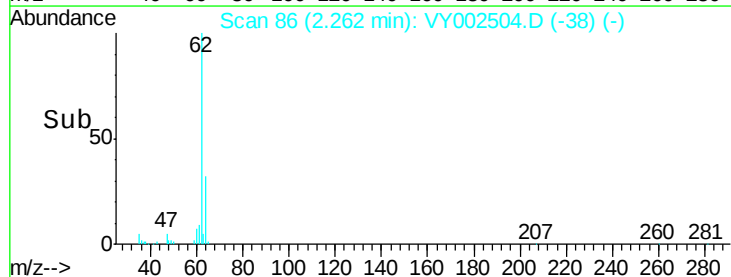
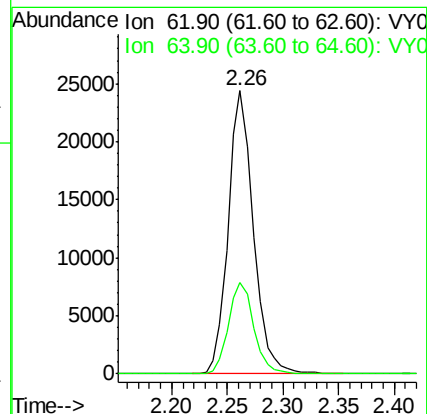
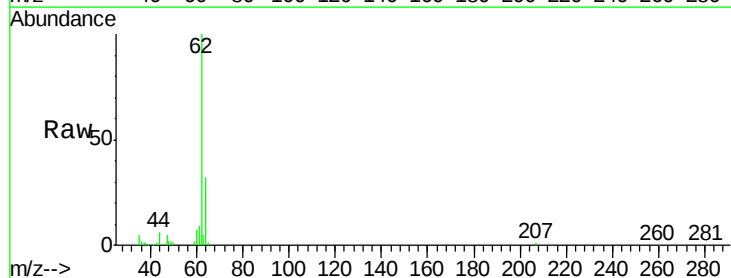
Acq: 29 Apr 2020 12:54

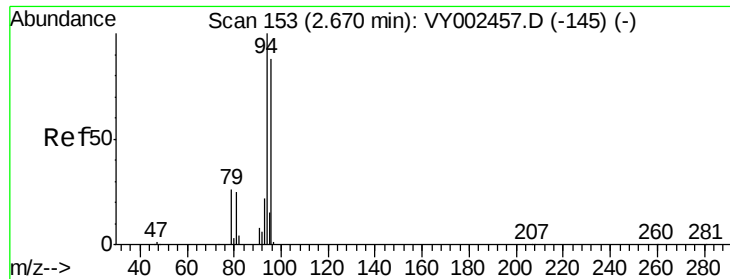
Tgt Ion: 62 Resp: 38183

Ion Ratio Lower Upper

62 100

64 32.5 26.6 39.8





#5

Bromomethane

Concen: 16.959 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

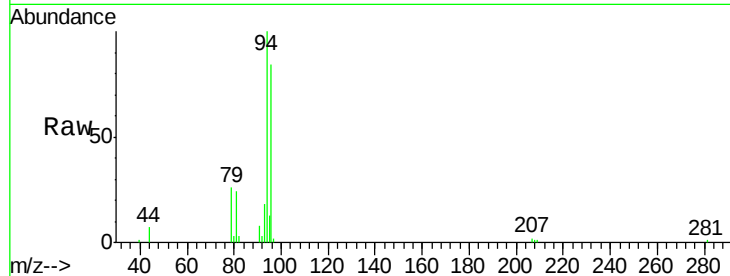
VY0429SBS01

Tot Ion: 94 Resp: 19398

Ion Ratio Lower Upper

94 100

96 83.5 70.2 105.4



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

10000

8000

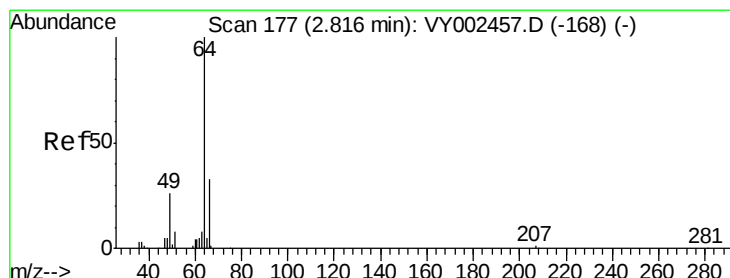
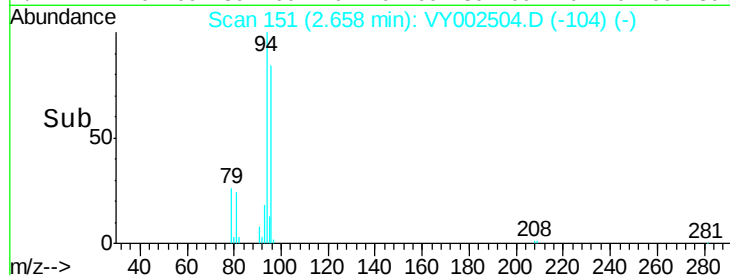
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 15.848 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY002504.D

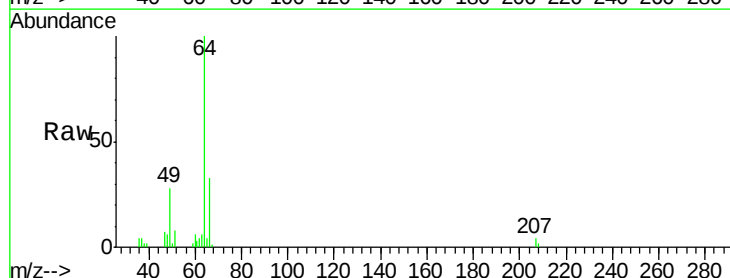
Acq: 29 Apr 2020 12:54

Tgt Ion: 64 Resp: 14759

Ion Ratio Lower Upper

64 100

66 33.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

8000

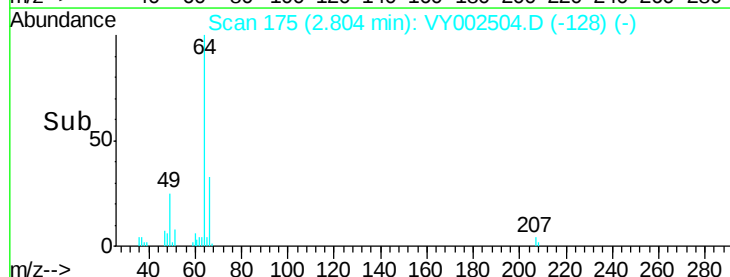
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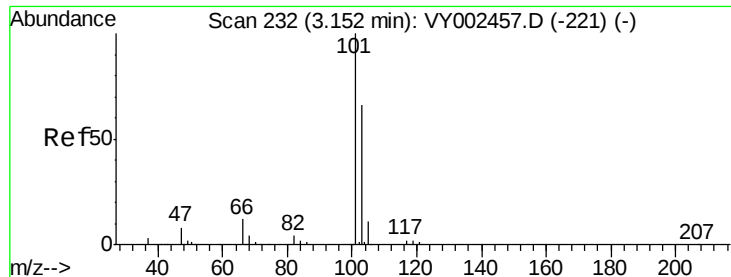
4000

2000

0

Time-->



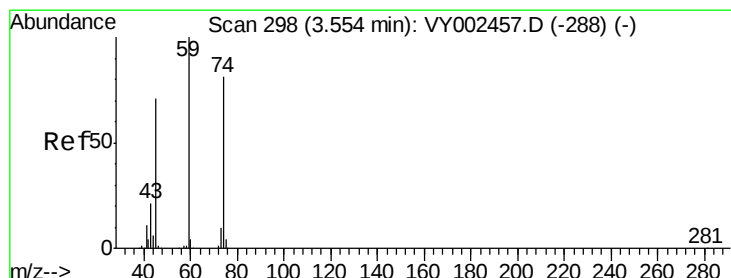
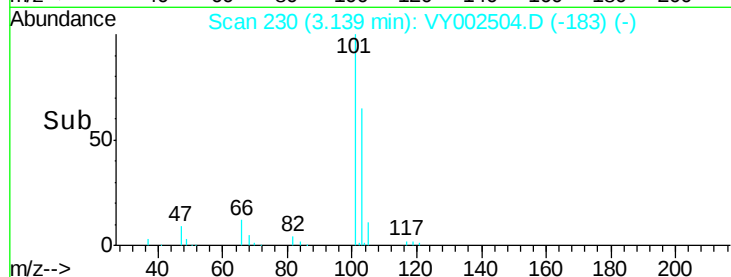
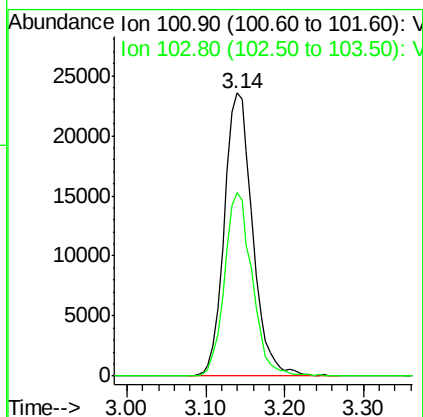
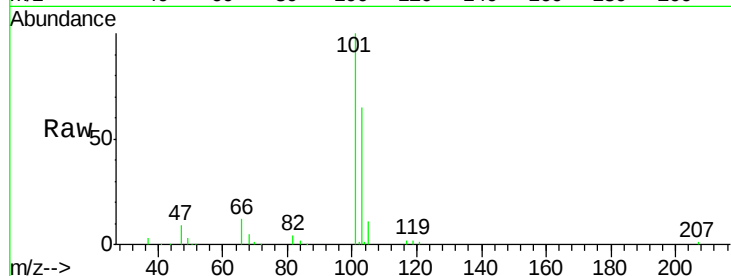


#7

Trichlorofluoromethane
 Concen: 15.900 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

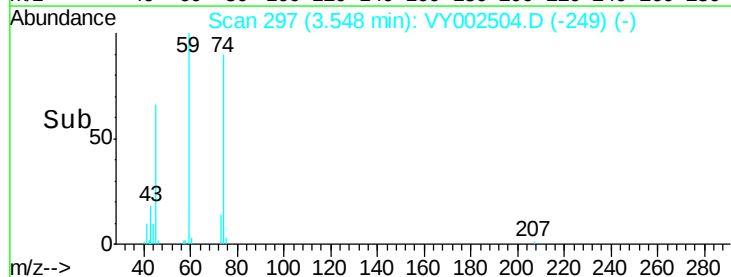
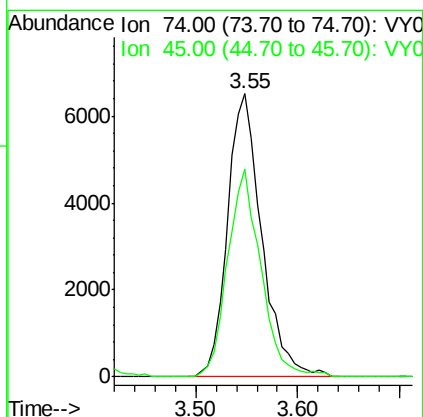
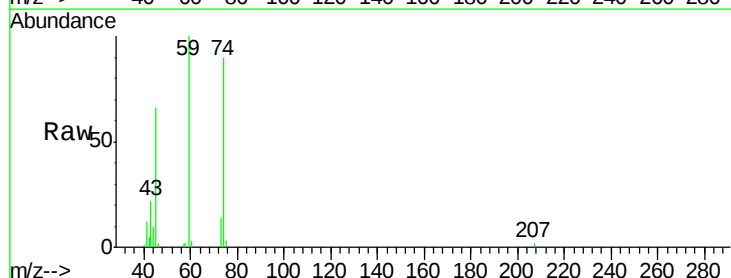
Tot Ion:101 Resp: 58758
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.5 78.7

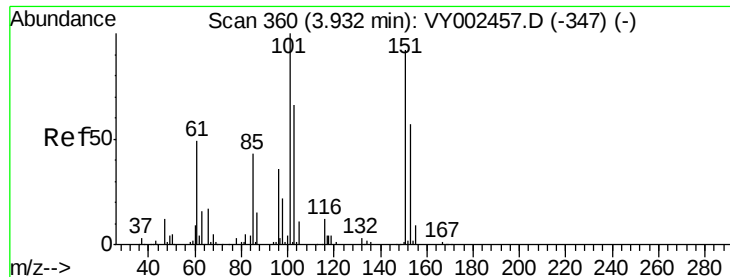


#8

Diethyl Ether
 Concen: 9.914 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

Tgt Ion: 74 Resp: 15102
 Ion Ratio Lower Upper
 74 100
 45 71.6 44.0 132.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.243 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

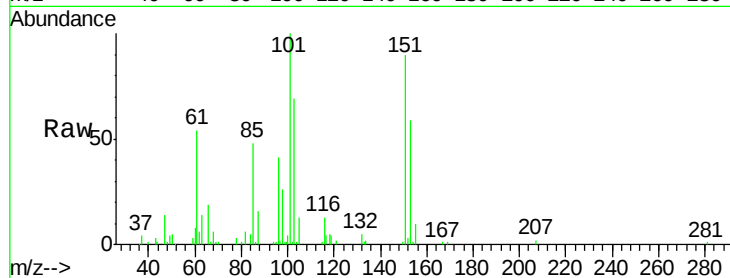
Tot Ion:101 Resp: 43863

Ion Ratio Lower Upper

101 100

85 43.5 34.1 51.1

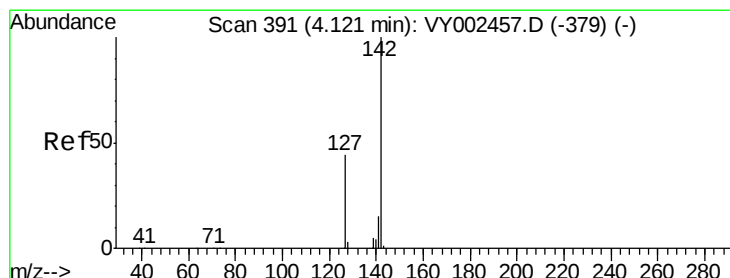
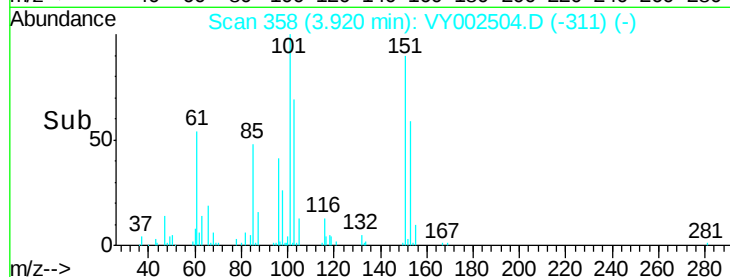
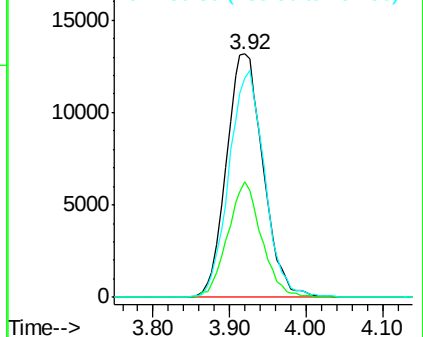
151 90.3 70.3 105.5



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: 16.107 ug/l

RT: 4.11 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

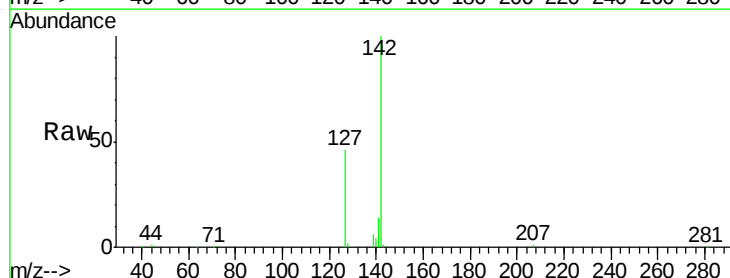
Tgt Ion:142 Resp: 63209

Ion Ratio Lower Upper

142 100

127 45.6 35.8 53.8

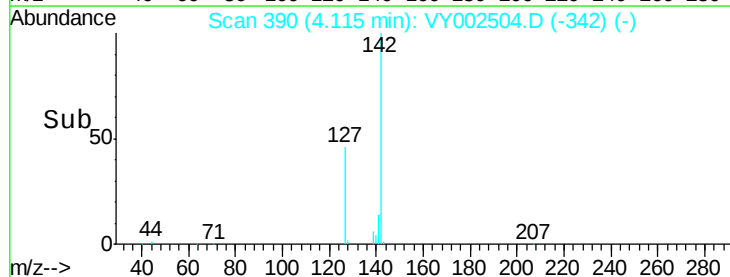
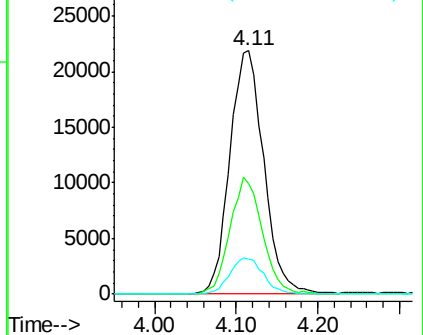
141 14.8 11.6 17.4

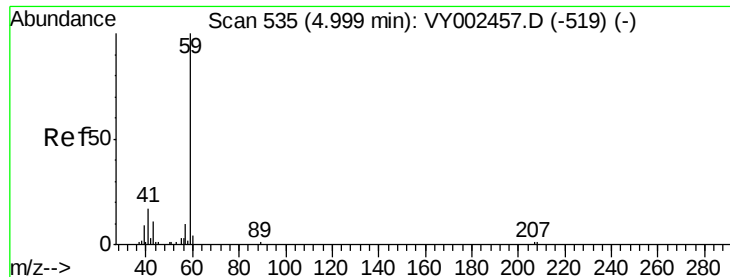


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



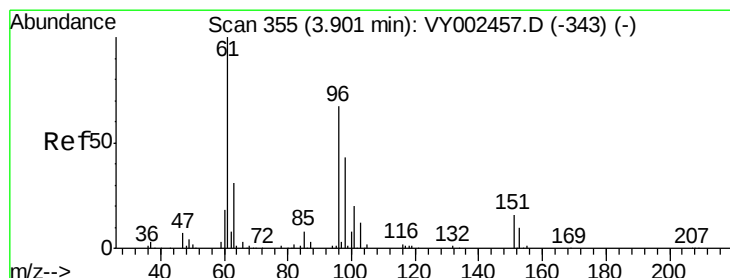
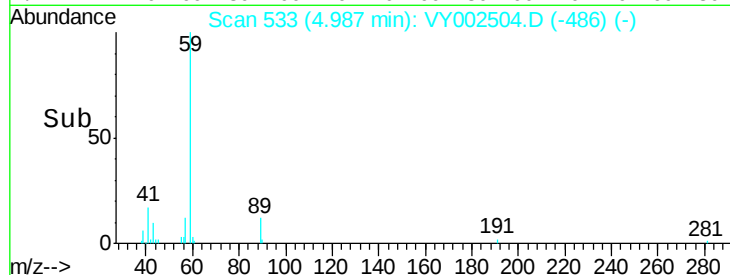
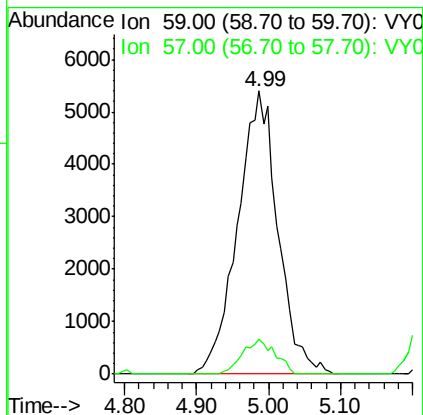
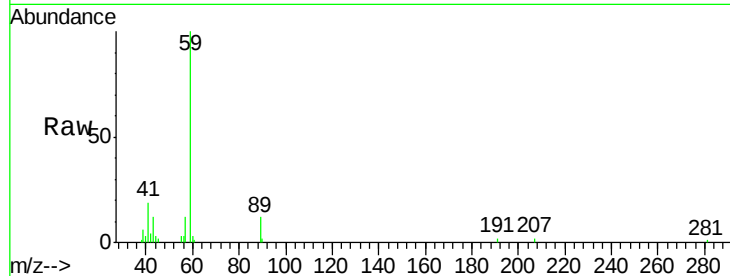


#11

Tert butyl alcohol
 Concen: 83.675 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

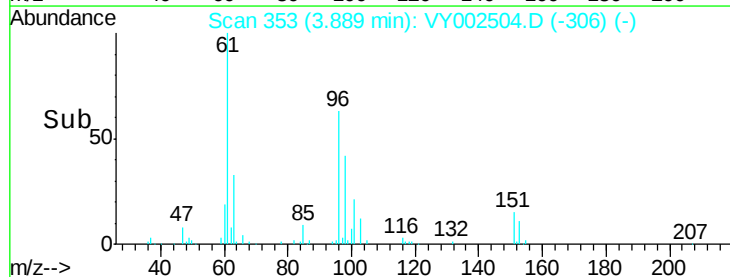
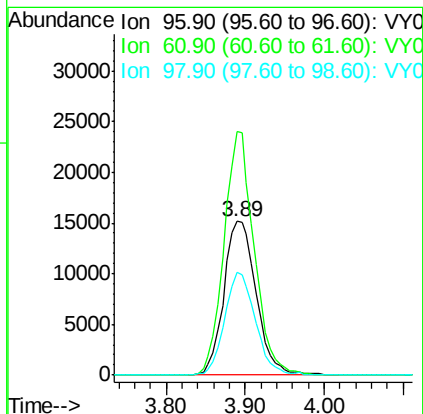
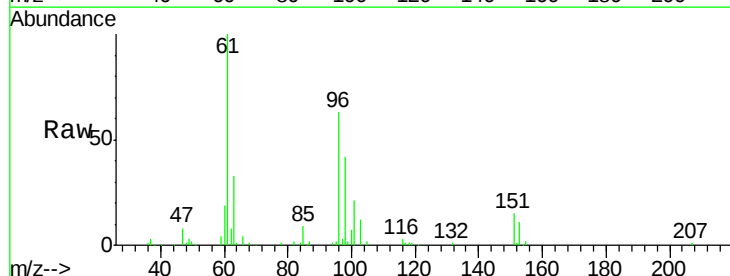
Tot Ion: 59 Resp: 20957
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.4 12.6

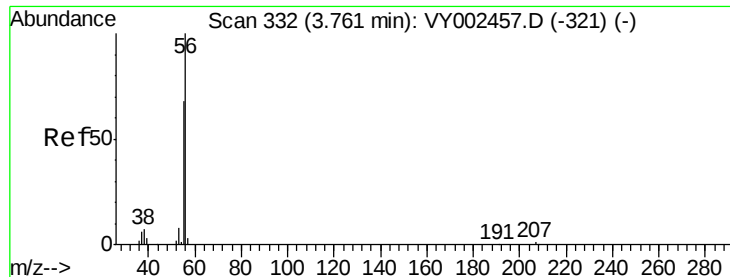


#12

1,1-Dichloroethene
 Concen: 16.668 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

Tgt Ion: 96 Resp: 43443
 Ion Ratio Lower Upper
 96 100
 61 158.4 119.0 178.6
 98 66.9 51.4 77.2





#13

Acrolein

Concen: 48.665 ug/l

RT: 3.76 min Scan# 331

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

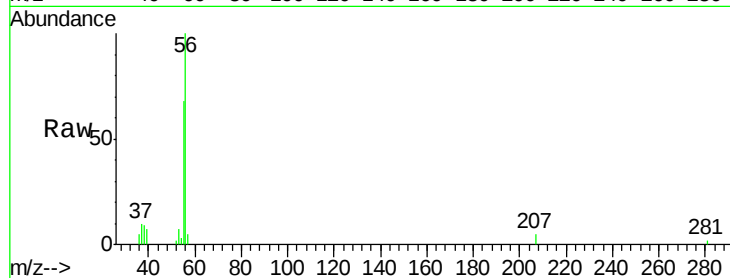
VY0429SBS01

Tot Ion: 56 Resp: 9757

Ion Ratio Lower Upper

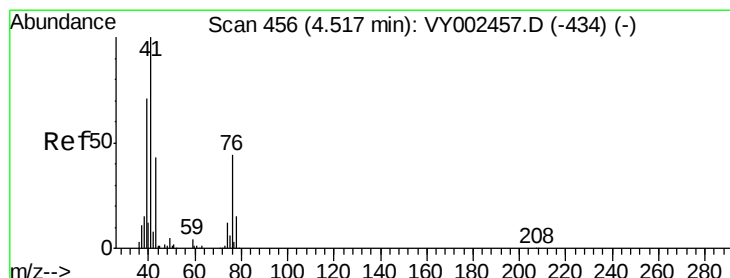
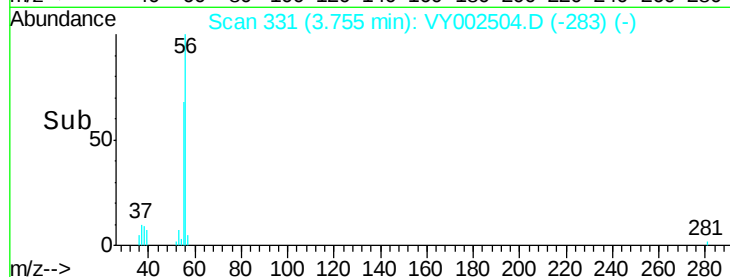
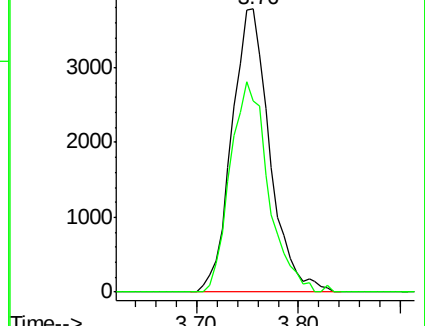
56 100

55 74.3 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 15.161 ug/l

RT: 4.51 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

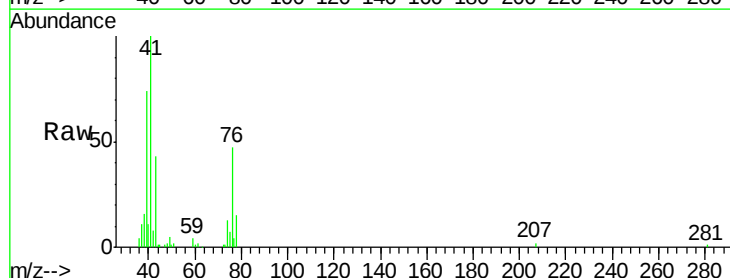
Tgt Ion: 41 Resp: 58071

Ion Ratio Lower Upper

41 100

39 70.4 55.1 82.7

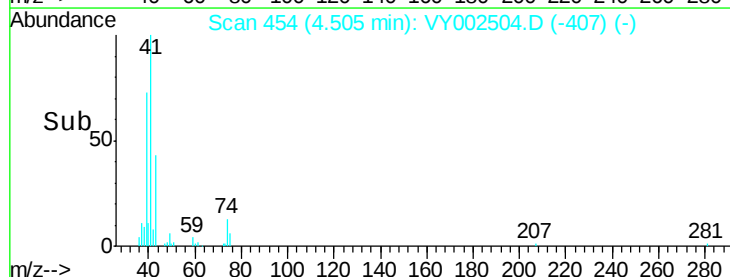
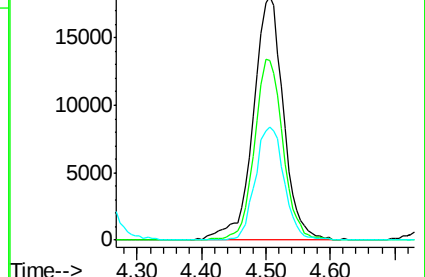
76 44.5 34.3 51.5

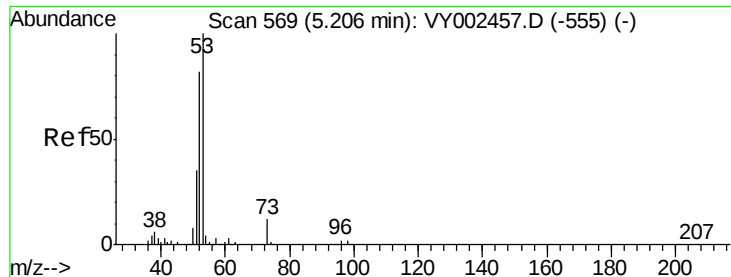


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 76.396 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

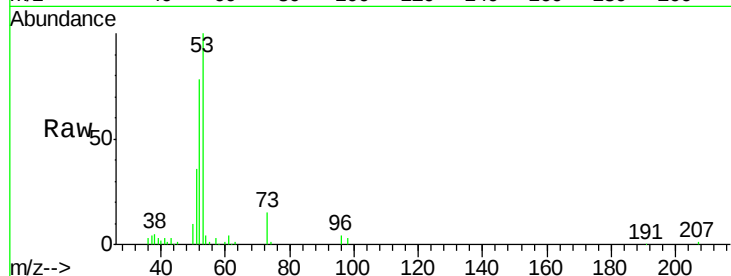
Tot Ion: 53 Resp: 55679

Ion Ratio Lower Upper

53 100

52 81.6 65.4 98.2

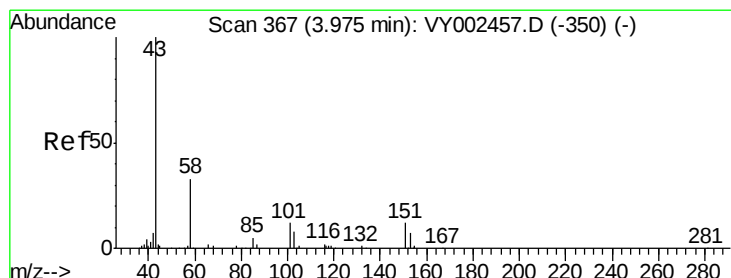
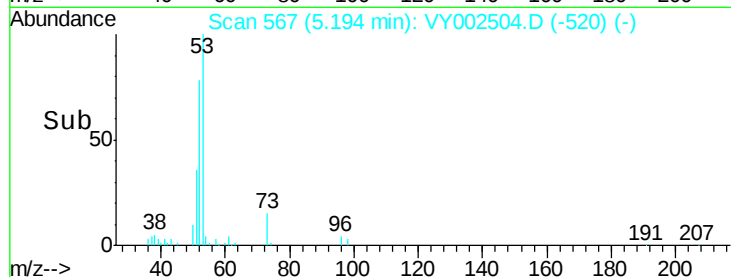
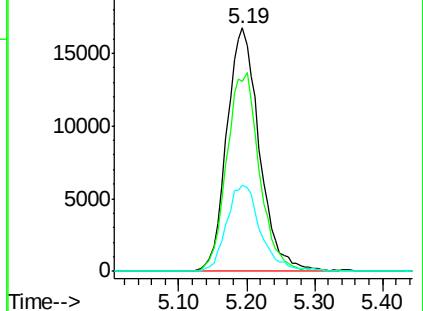
51 37.0 28.3 42.5



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: 80.061 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY002504.D

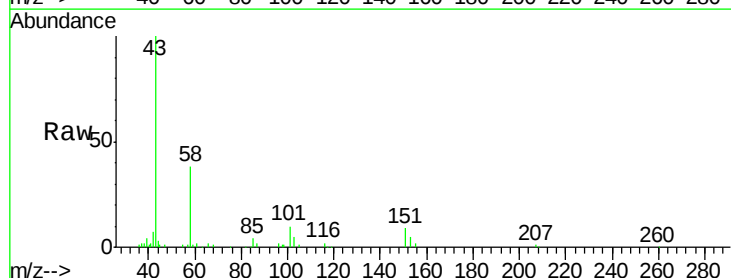
Acq: 29 Apr 2020 12:54

Tgt Ion: 43 Resp: 44523

Ion Ratio Lower Upper

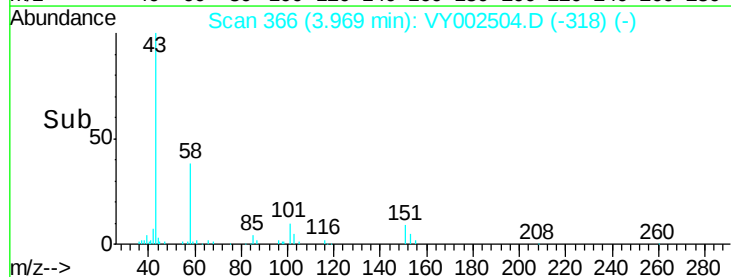
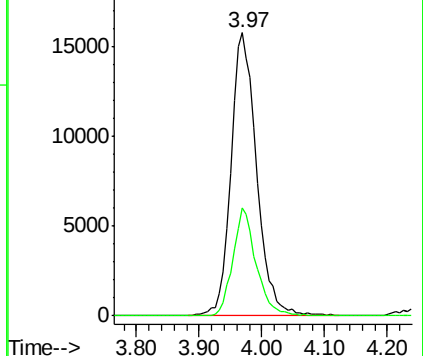
43 100

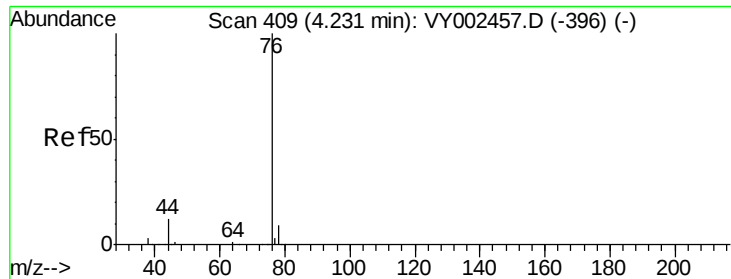
58 38.0 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

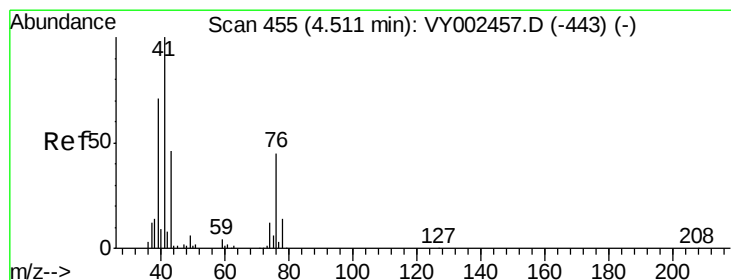
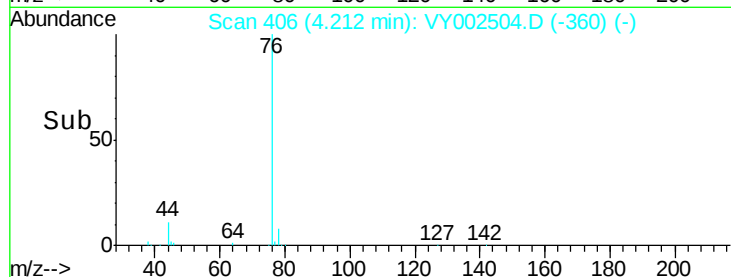
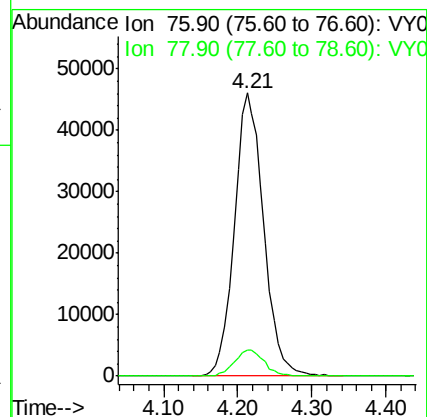
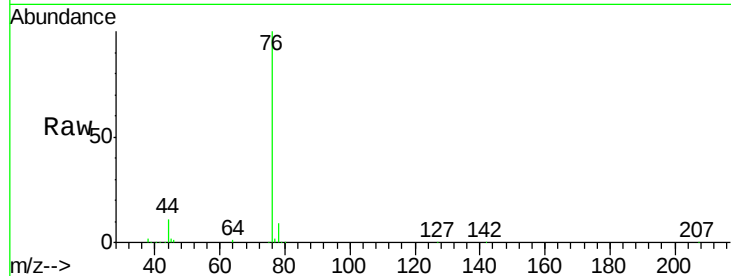




#17
Carbon Disulfide
Concen: 15.542 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.02 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

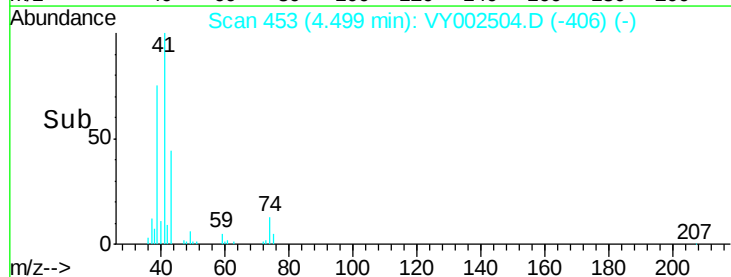
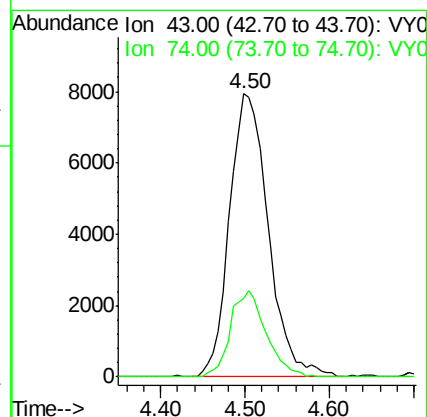
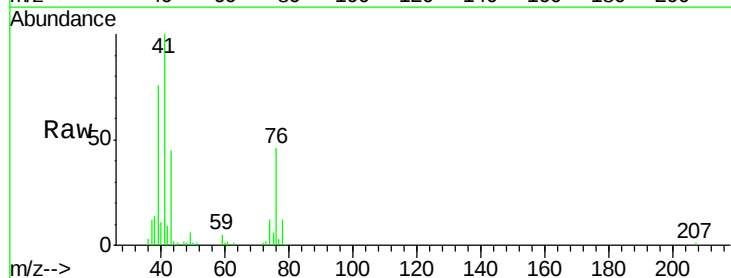
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

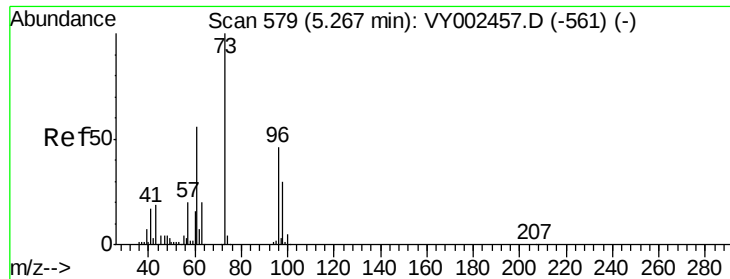
Tot Ion: 76 Resp: 126309
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 13.898 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Tgt Ion: 43 Resp: 24870
Ion Ratio Lower Upper
43 100
74 28.0 22.0 33.0

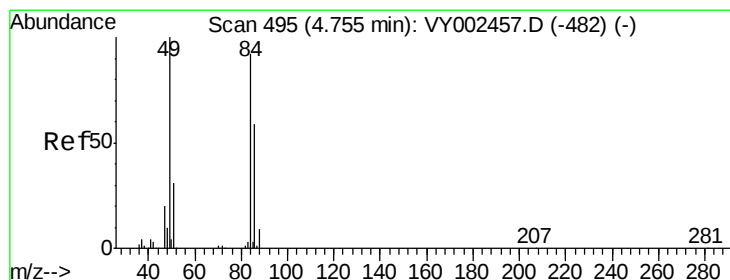
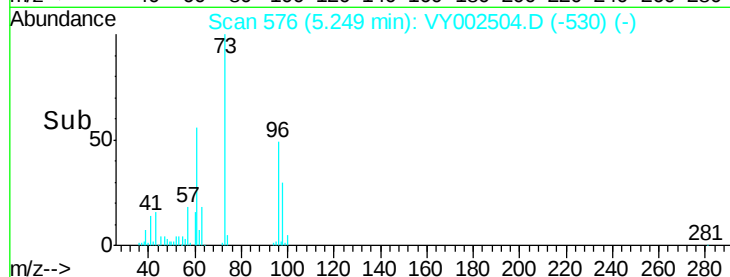
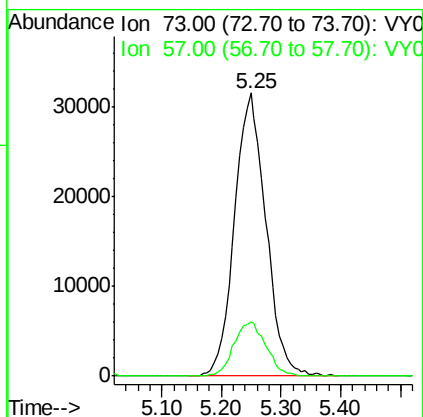
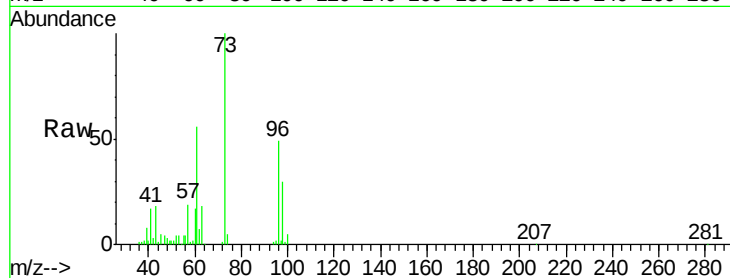




#19
Methvl tert-butvl Ether
Concen: 16.407 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.02 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

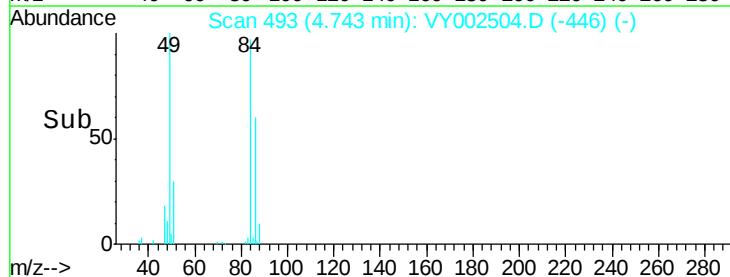
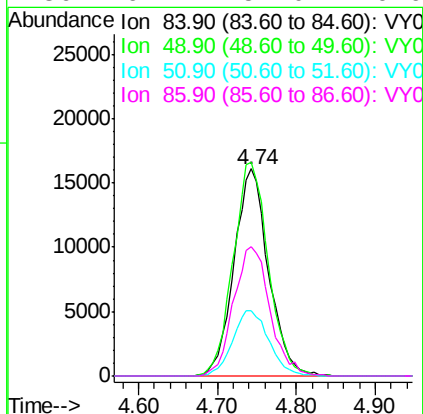
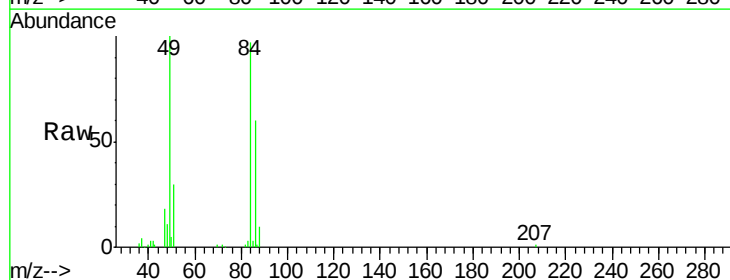
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

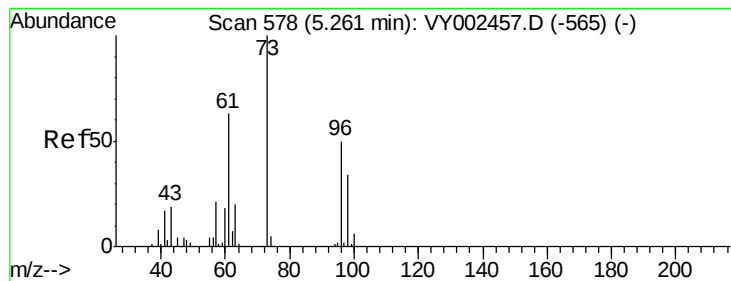
Tot Ion: 73 Resp: 115386
Ion Ratio Lower Upper
73 100
57 19.3 16.0 24.0



#20
Methylene Chloride
Concen: 15.409 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Tgt Ion: 84 Resp: 48923
Ion Ratio Lower Upper
84 100
49 103.0 86.9 130.3
51 31.4 27.3 40.9
86 62.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 16.176 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.02 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

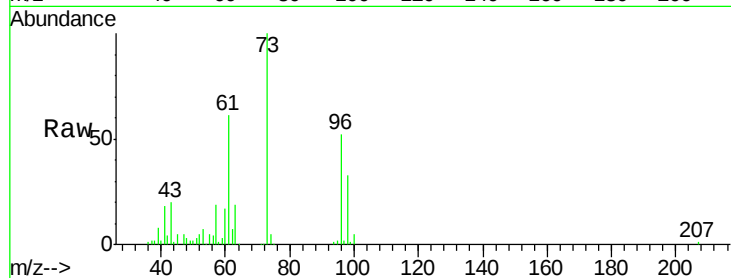
Tot Ion: 96 Resp: 47464

Ion Ratio Lower Upper

96 100

61 116.1 101.4 152.0

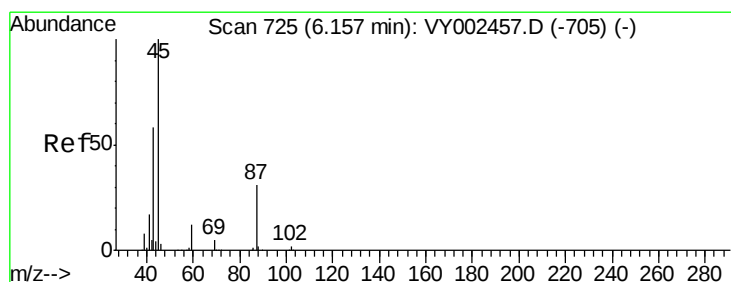
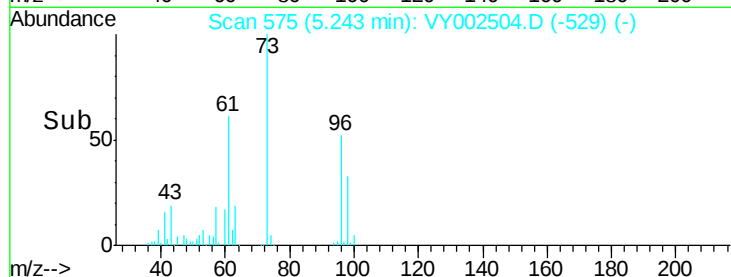
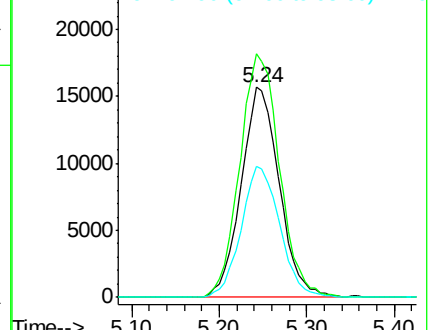
98 62.4 53.6 80.4



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 15.158 ug/l

RT: 6.15 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Tgt Ion: 45 Resp: 114790

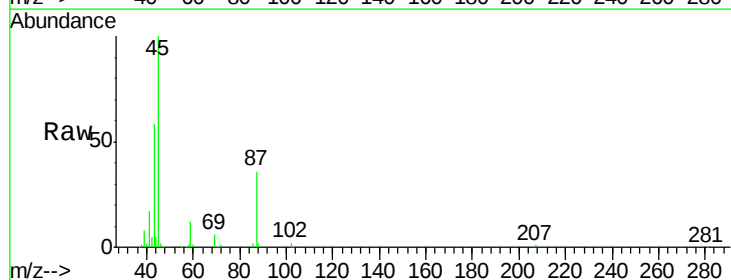
Ion Ratio Lower Upper

45 100

43 57.3 47.1 70.7

87 36.0 25.0 37.6

59 12.1 9.7 14.5

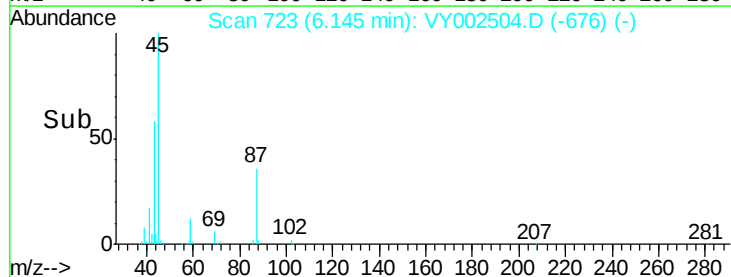
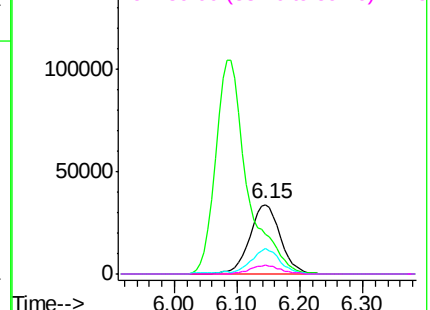


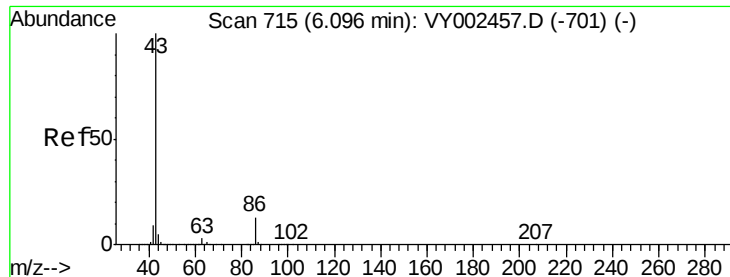
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 75.514 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

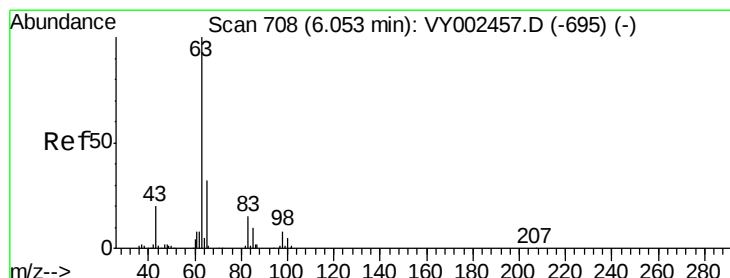
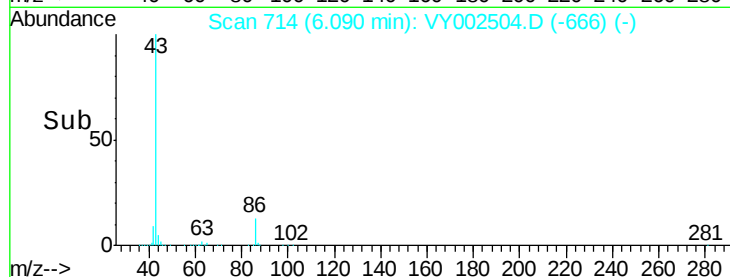
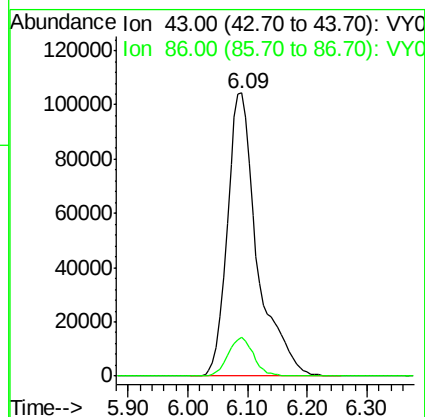
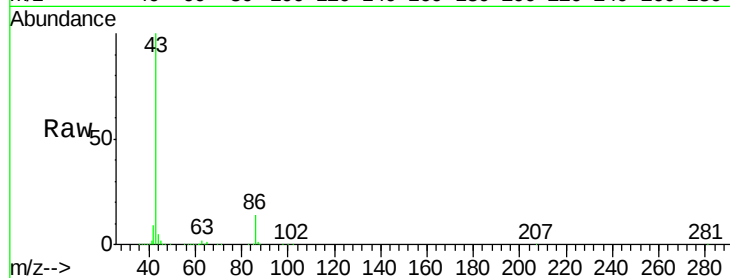
VY0429SBS01

Tot Ion: 43 Resp: 363386

Ion Ratio Lower Upper

43 100

86 13.6 10.2 15.4



#24

1,1-Dichloroethane

Concen: 15.686 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

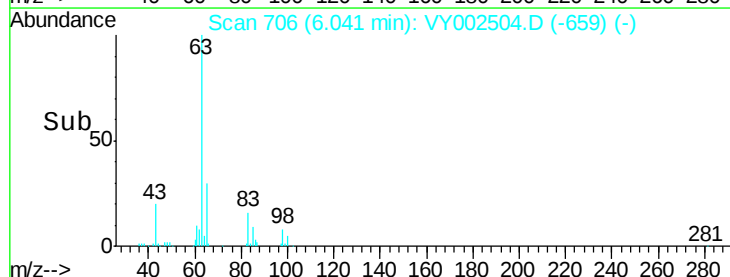
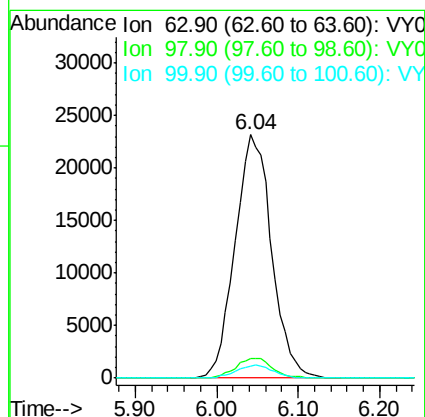
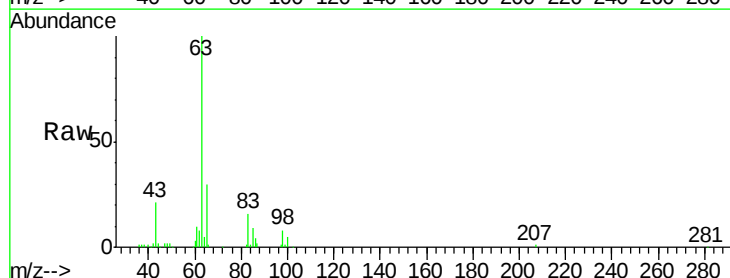
Tgt Ion: 63 Resp: 71921

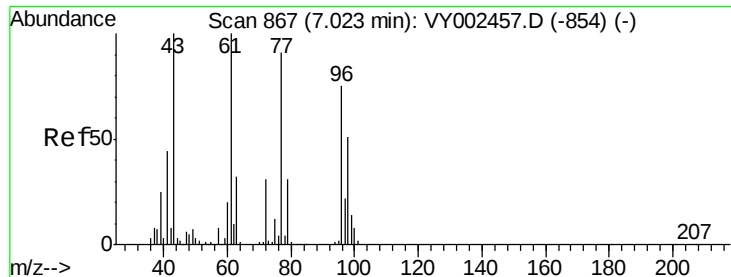
Ion Ratio Lower Upper

63 100

98 7.8 4.1 12.3

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 73.839 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

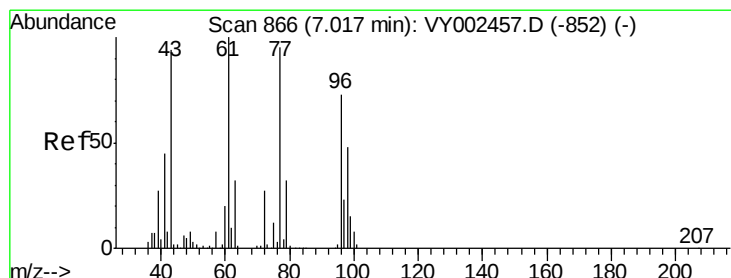
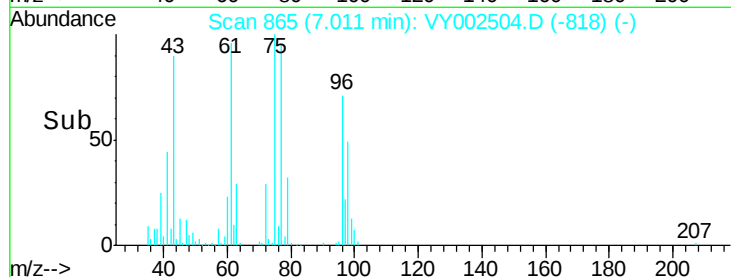
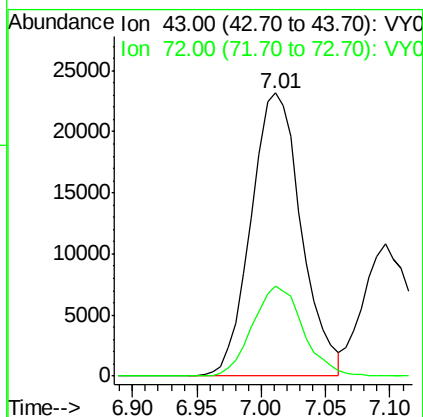
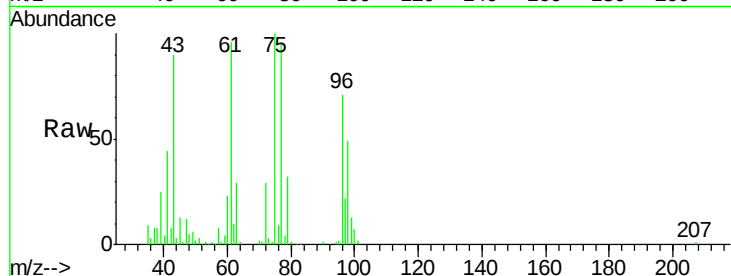
VY0429SBS01

Tot Ion: 43 Resp: 62909

Ion Ratio Lower Upper

43 100

72 31.8 24.8 37.2



#26

2,2-Dichloropropane

Concen: 17.510 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002504.D

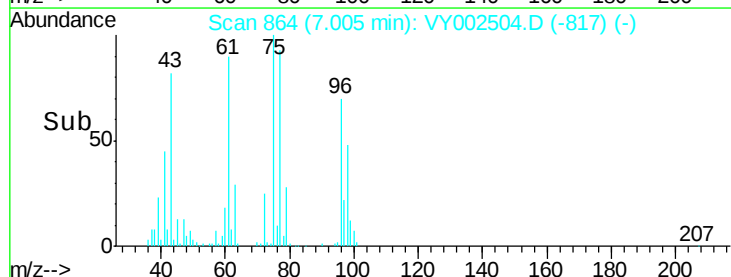
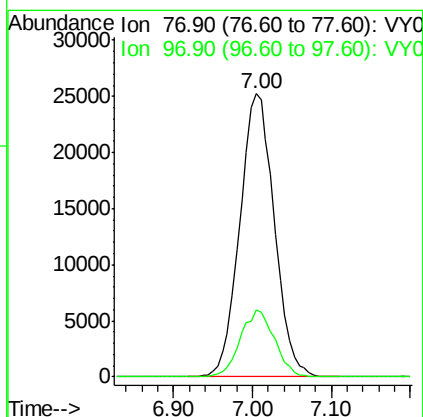
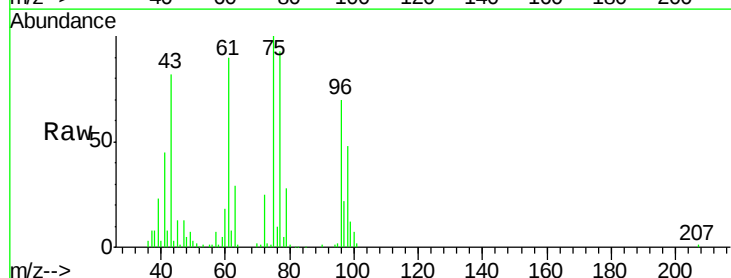
Acq: 29 Apr 2020 12:54

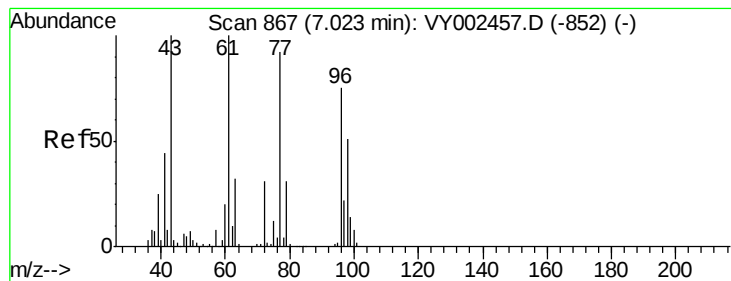
Tgt Ion: 77 Resp: 76780

Ion Ratio Lower Upper

77 100

97 23.3 12.0 36.0



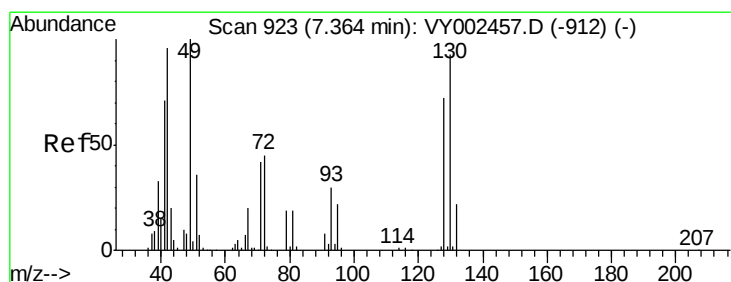
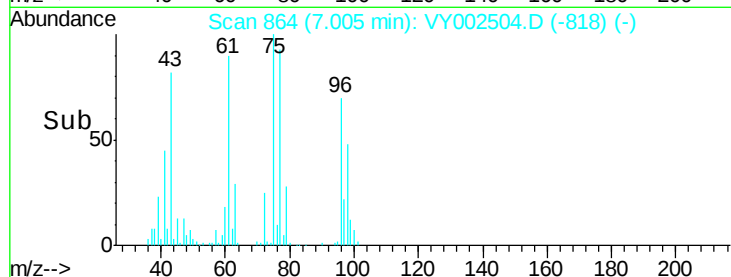
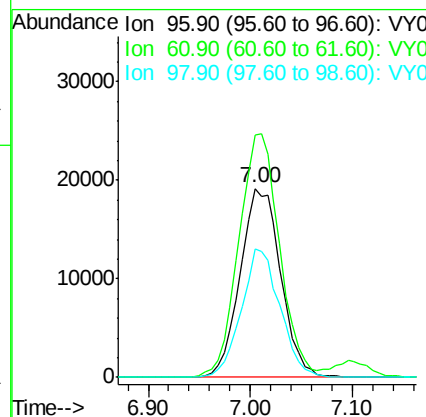
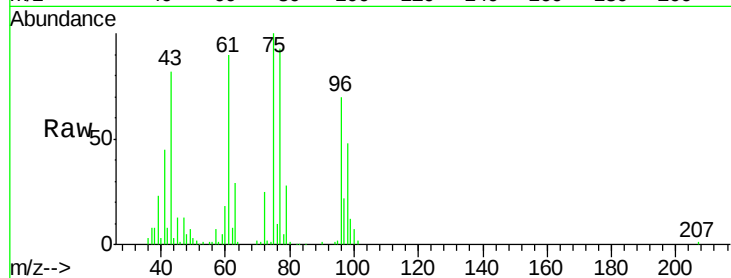


#27

cis-1,2-Dichloroethene
Concen: 16.548 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.02 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

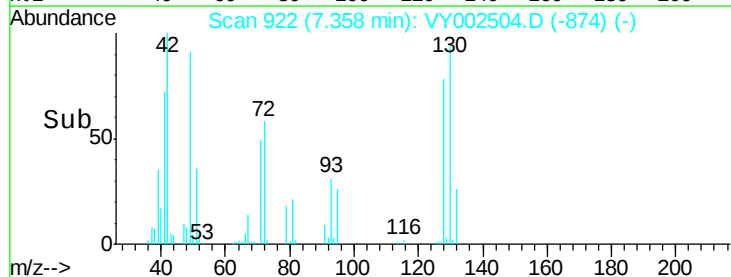
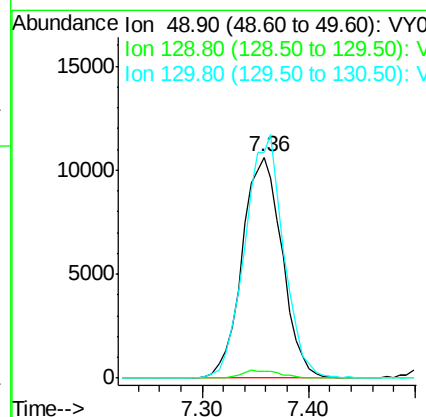
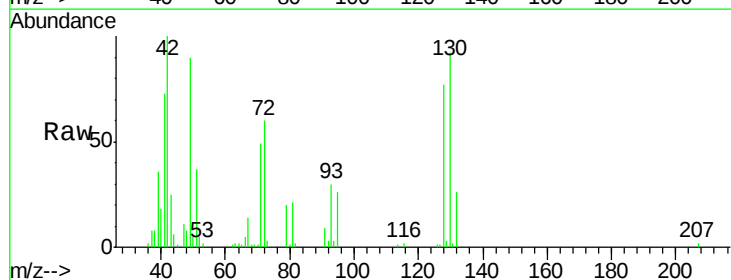
Tot Ion: 96 Resp: 52814
Ion Ratio Lower Upper
96 100
61 129.5 0.0 262.6
98 64.8 0.0 131.0

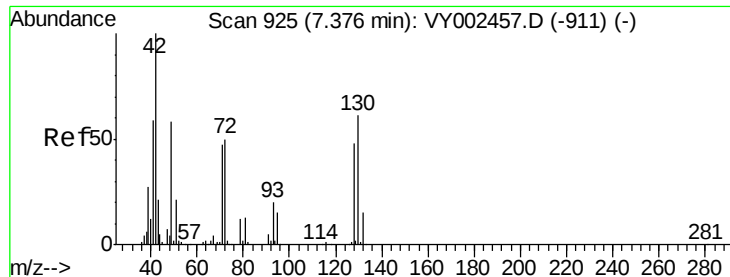


#28

Bromochloromethane
Concen: 15.591 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Tgt Ion: 49 Resp: 27889
Ion Ratio Lower Upper
49 100
129 3.2 0.0 5.6
130 106.6 76.3 114.5

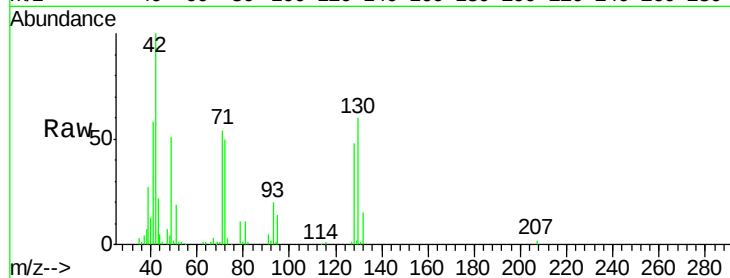




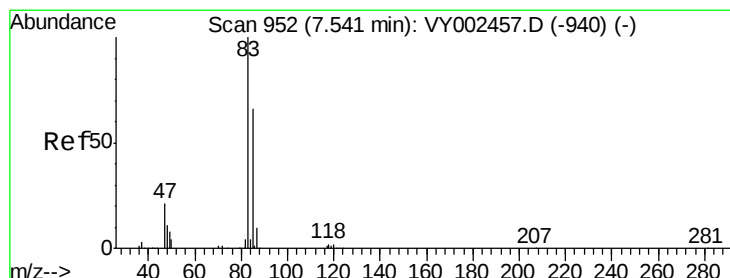
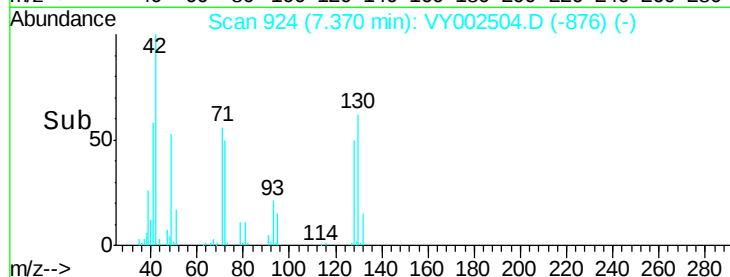
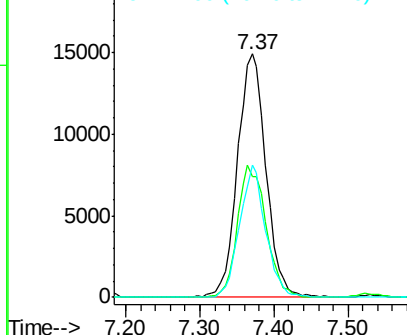
#29
Tetrahydrofuran
Concen: 70.941 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.4	39.5	59.3
71	49.4	37.6	56.4

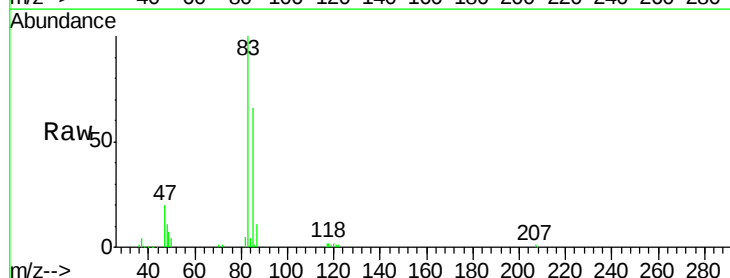


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

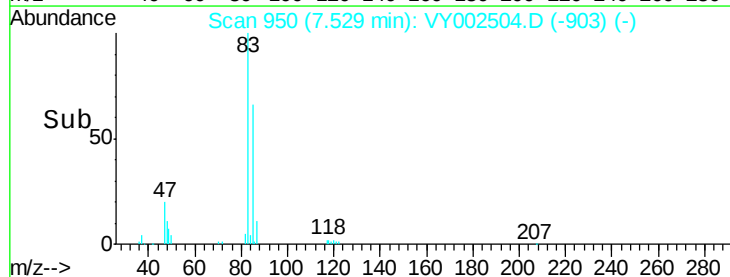
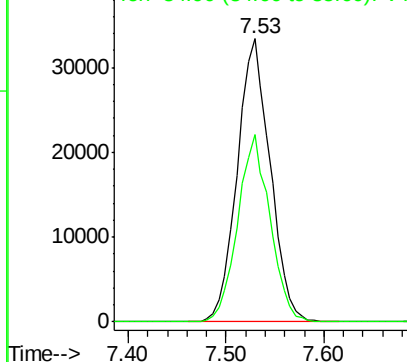


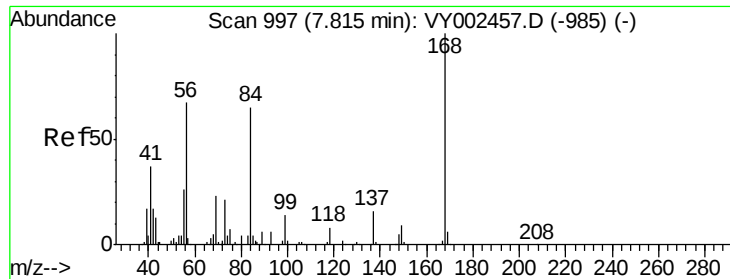
#30
Chloroform
Concen: 16.054 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.4	78.6



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

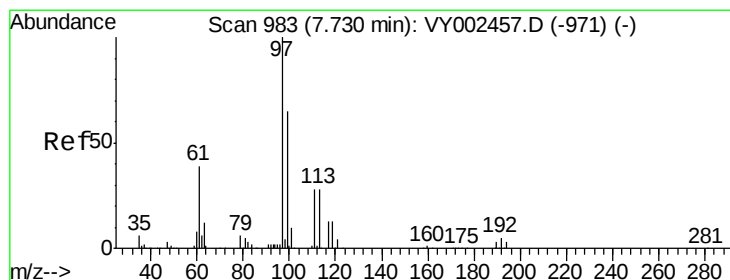
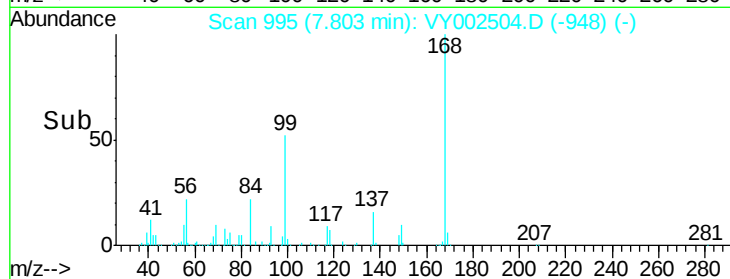
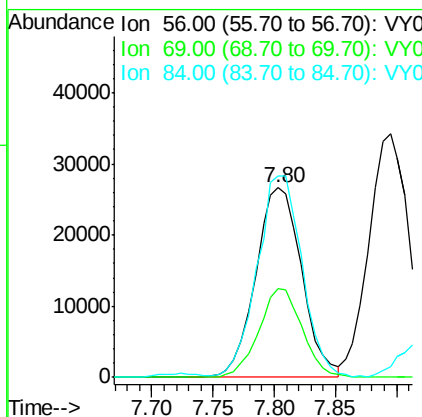
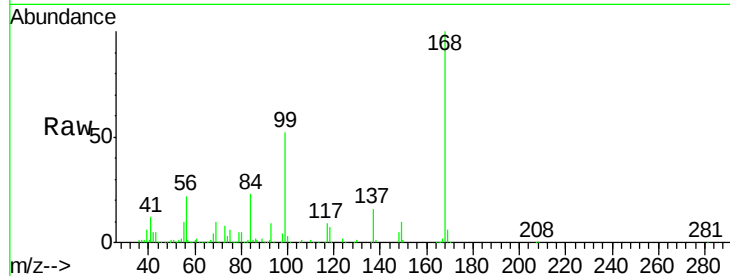




#31
Cyclohexane
Concen: 15.229 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

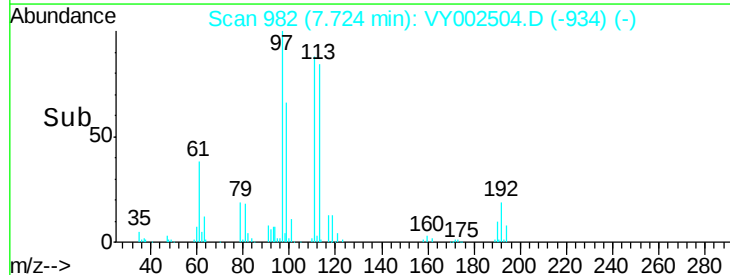
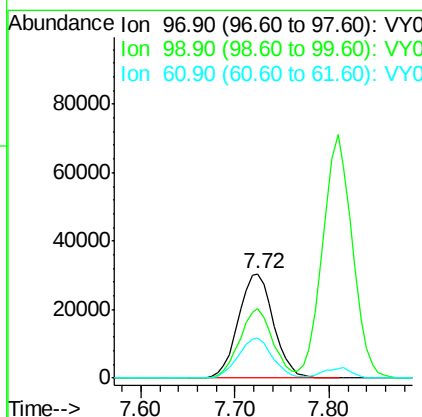
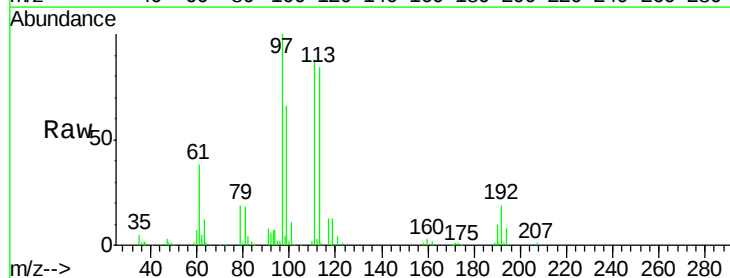
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

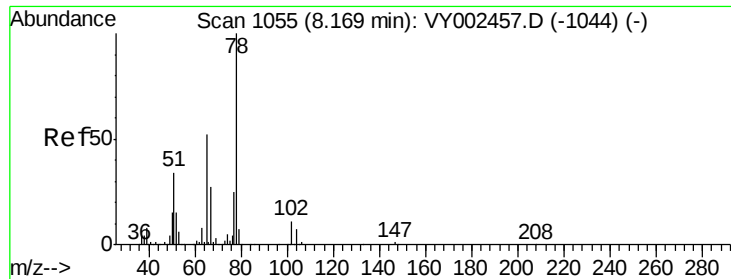
Tot Ion: 56 Resp: 69822
Ion Ratio Lower Upper
56 100
69 46.9 27.0 40.6#
84 104.1 77.4 116.2



#32
1,1,1-Trichloroethane
Concen: 17.244 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Tgt Ion: 97 Resp: 79547
Ion Ratio Lower Upper
97 100
99 63.5 51.6 77.4
61 37.7 30.6 45.8

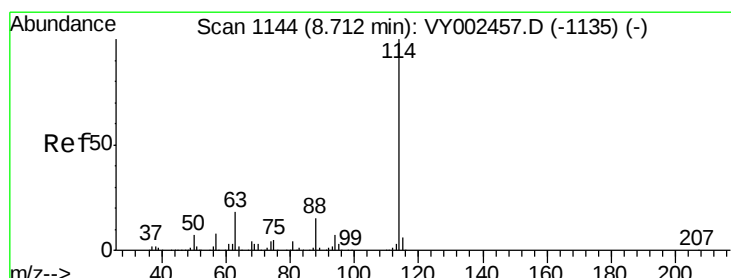
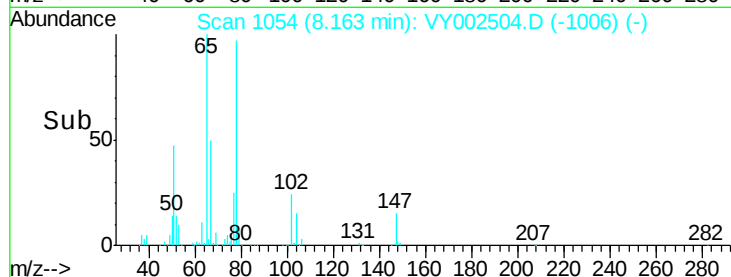
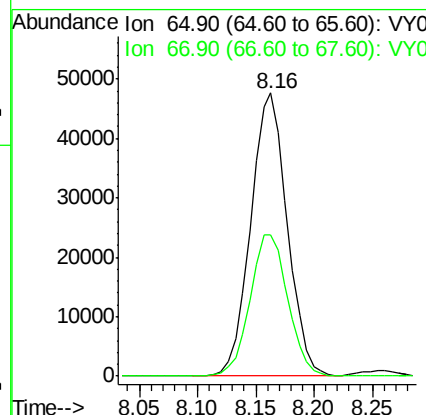
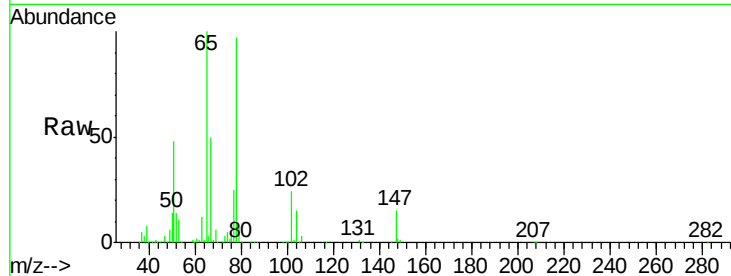




#33
 1,2-Dichloroethane-d4
 Concen: 39.010 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

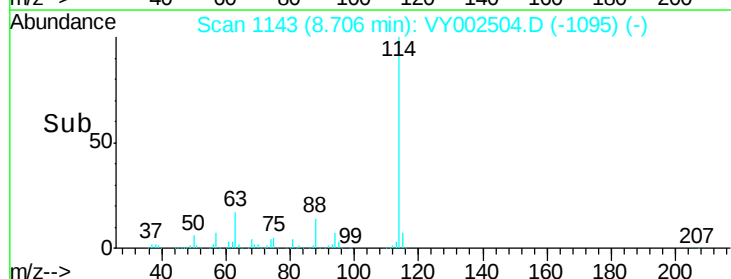
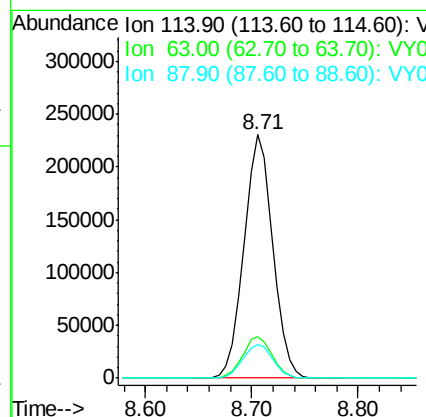
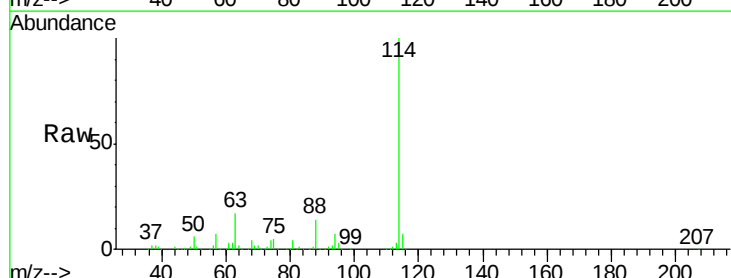
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

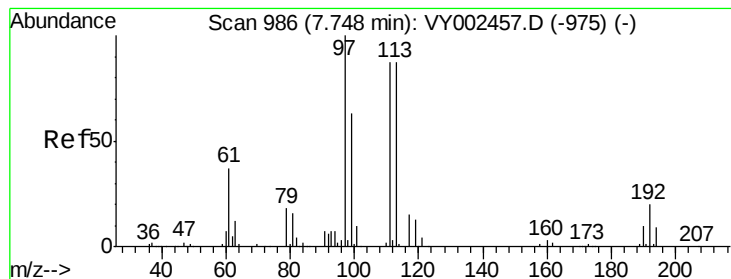
Tot Ion: 65 Resp: 103809
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

Tgt Ion: 114 Resp: 437958
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 35.6
 88 14.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 40.305 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

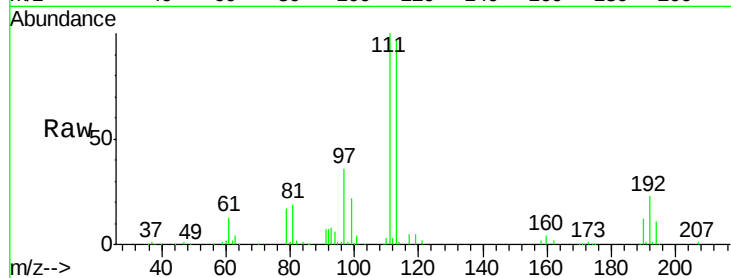
Tot Ion:113 Resp: 99565

Ion Ratio Lower Upper

113 100

111 102.2 81.0 121.4

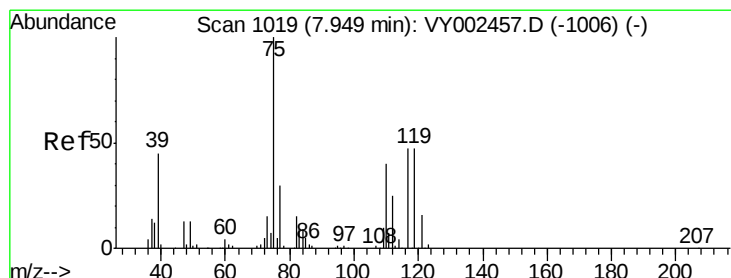
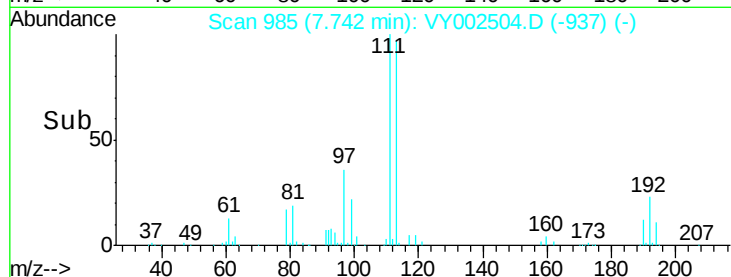
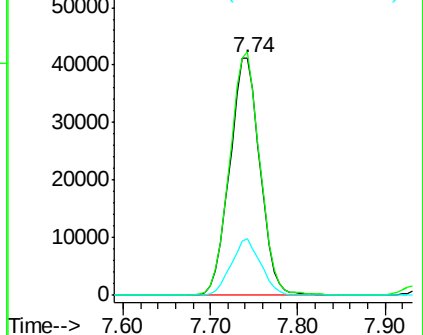
192 23.4 18.6 27.8



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: 16.343 ug/l

RT: 7.94 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

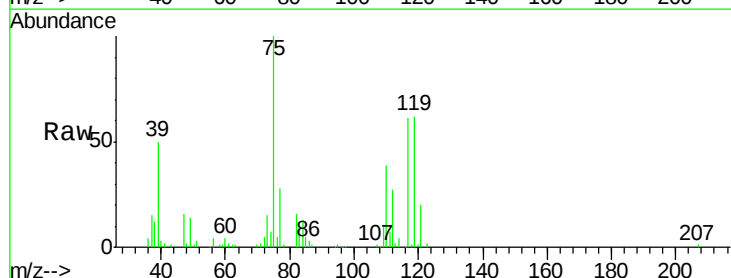
Tgt Ion: 75 Resp: 61373

Ion Ratio Lower Upper

75 100

110 39.7 19.4 58.4

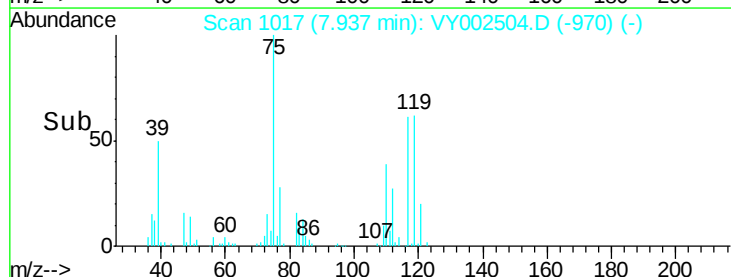
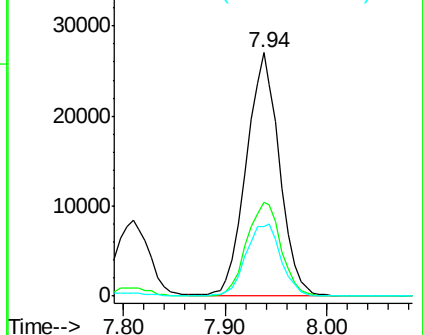
77 31.1 24.7 37.1

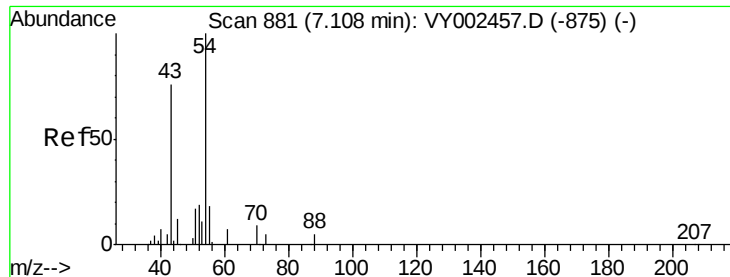


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

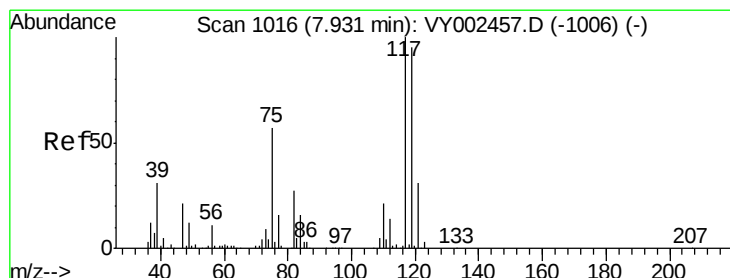
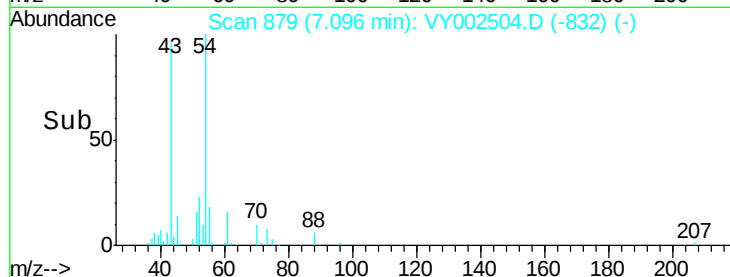
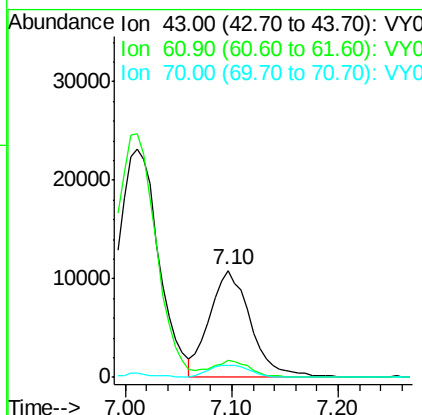
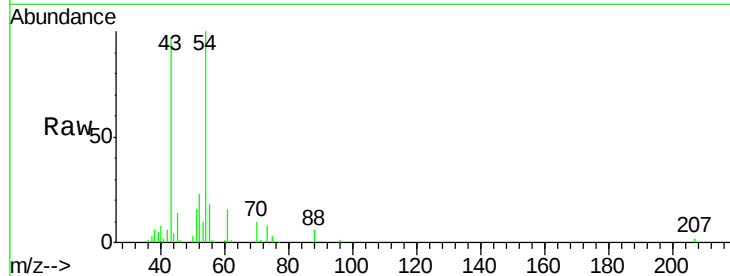




#37
Ethyl Acetate
Concen: 15.393 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

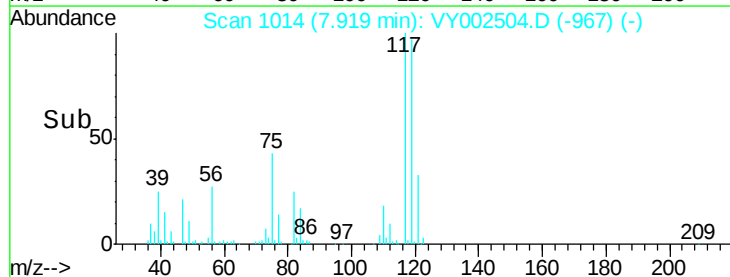
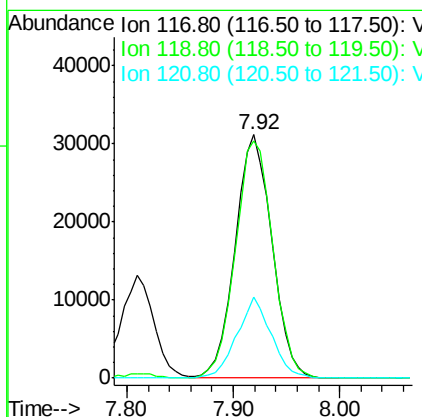
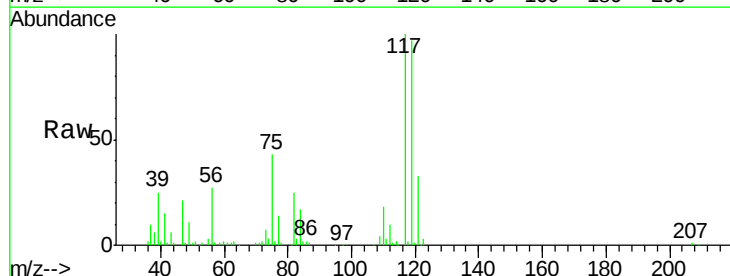
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

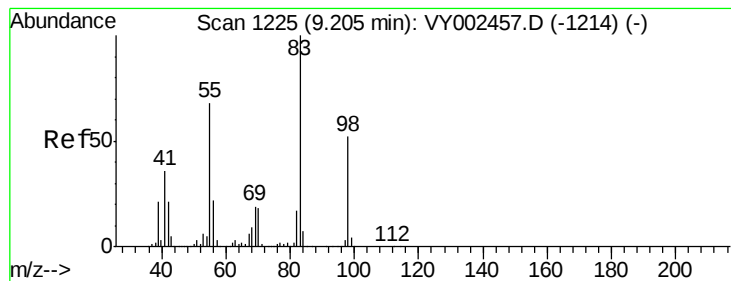
Tot Ion: 43 Resp: 29041
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.8
70 11.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 17.570 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Tgt Ion: 117 Resp: 75875
Ion Ratio Lower Upper
117 100
119 97.5 75.9 113.9
121 33.1 24.5 36.7





#39

Methylcyclohexane

Concen: 16.285 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

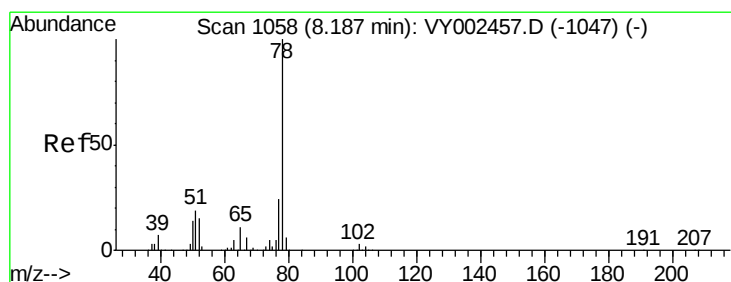
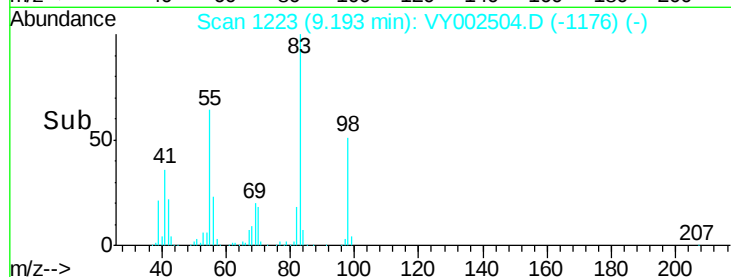
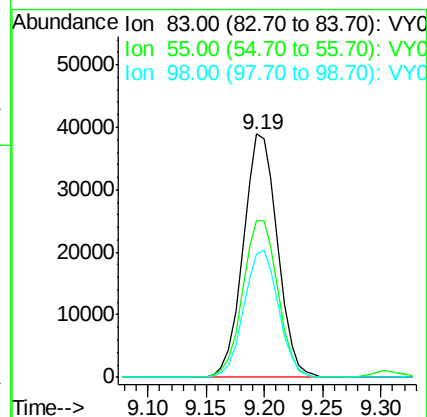
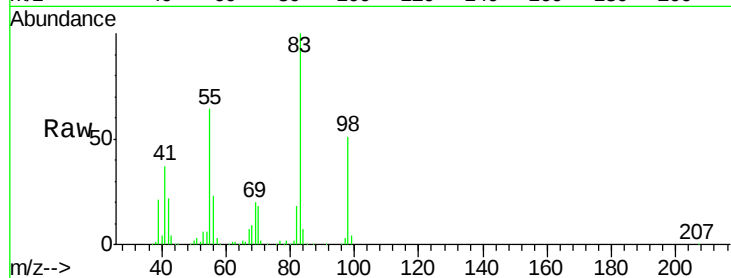
Tot Ion: 83 Resp: 79777

Ion Ratio Lower Upper

83 100

55 64.1 54.2 81.2

98 50.7 41.9 62.9



#40

Benzene

Concen: 16.620 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VY002504.D

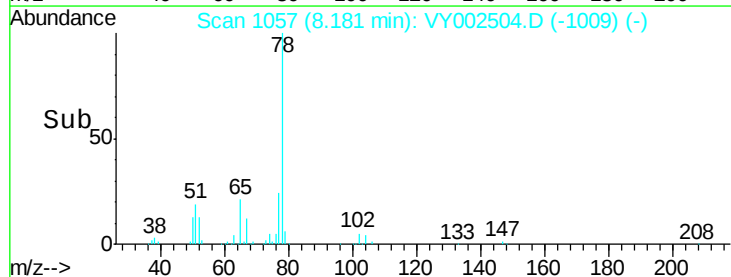
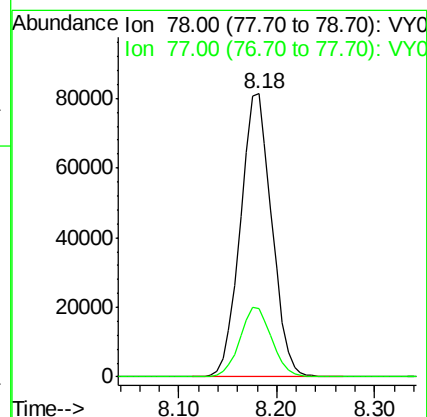
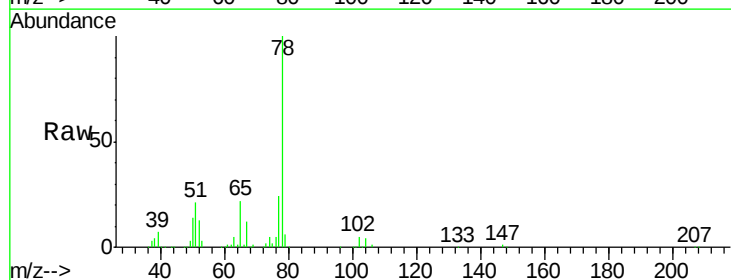
Acq: 29 Apr 2020 12:54

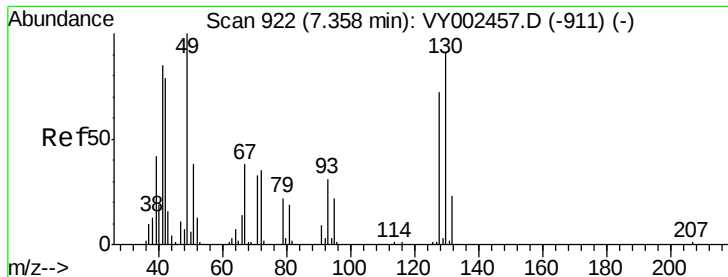
Tgt Ion: 78 Resp: 180389

Ion Ratio Lower Upper

78 100

77 24.1 19.4 29.0





#41

Methacrylonitrile

Concen: 11.587 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. -0.02 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tot Ion: 41 Resp: 13468

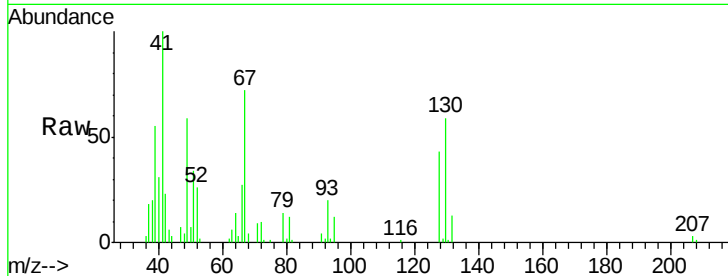
Ion Ratio Lower Upper

41 100

39 141.7 85.7 128.5#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

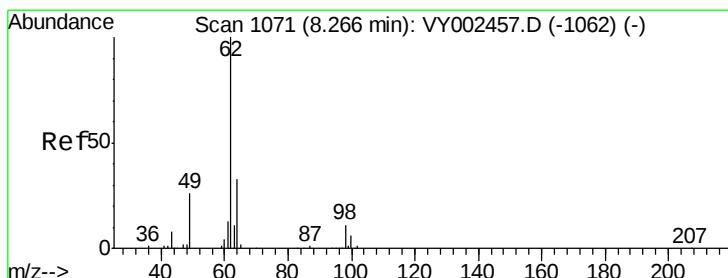
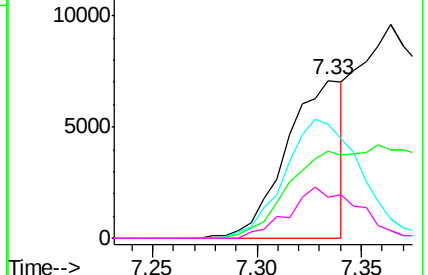
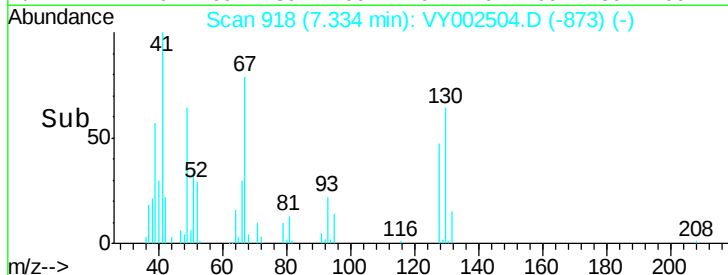


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 17.123 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY002504.D

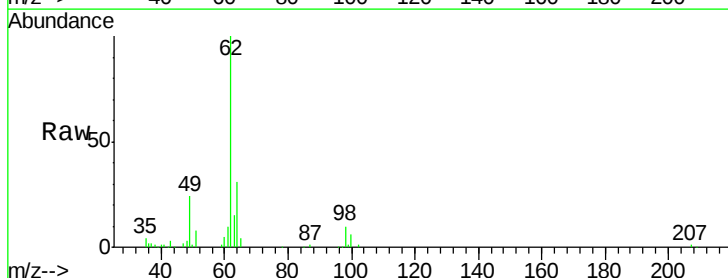
Acq: 29 Apr 2020 12:54

Tgt Ion: 62 Resp: 53988

Ion Ratio Lower Upper

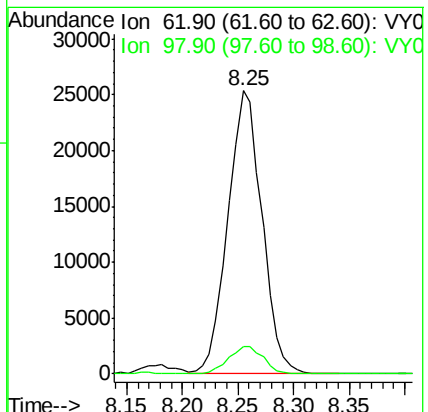
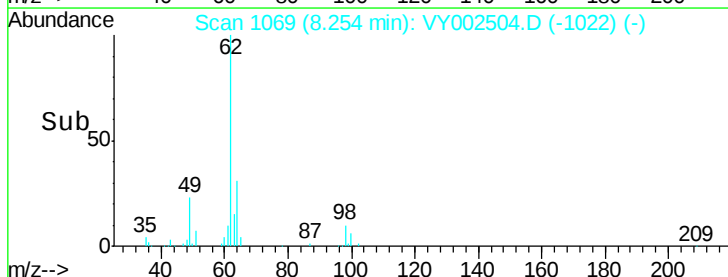
62 100

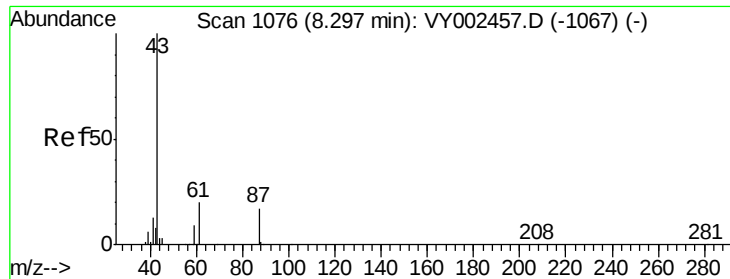
98 9.9 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



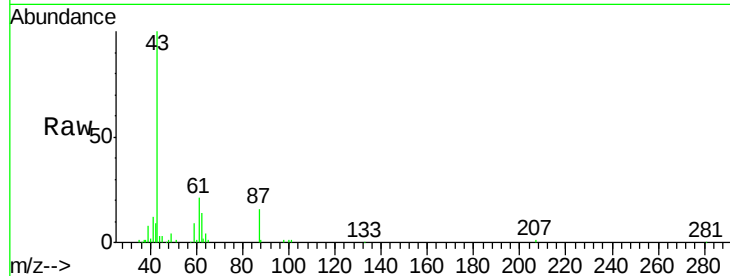


#43

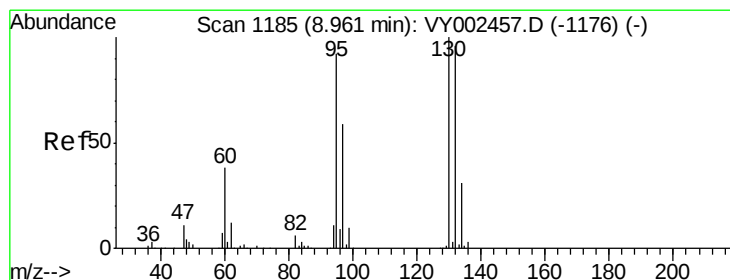
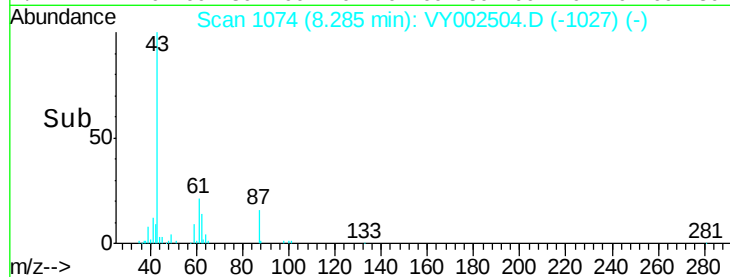
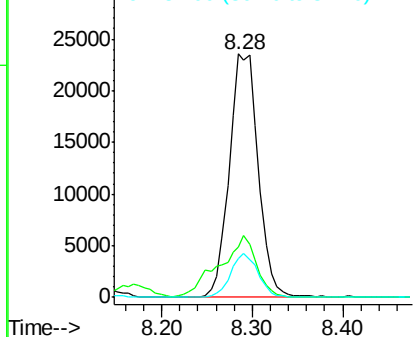
Isopropyl Acetate
 Concen: 14.935 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

Tot Ion	43	Resp	52698
Ion Ratio	Lower	Upper	
43	100		
61	32.5	25.0	37.4
87	17.1	13.0	19.4



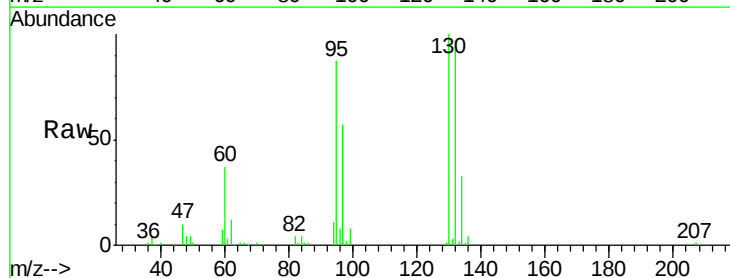
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



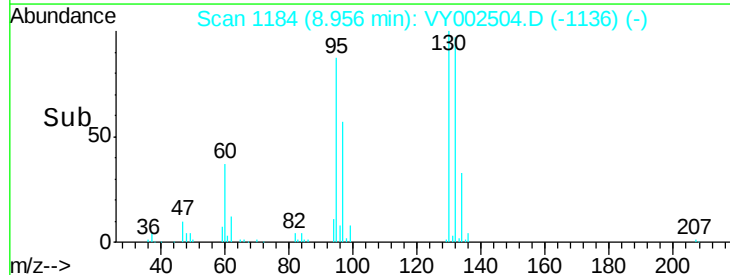
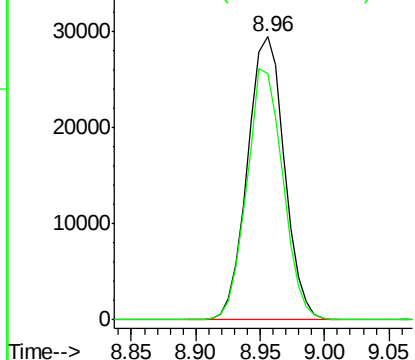
#44

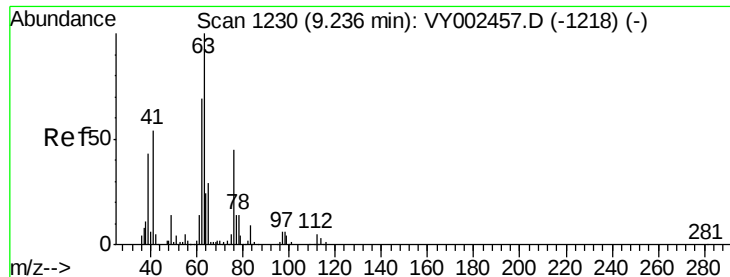
Trichloroethene
 Concen: 17.160 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

Tgt Ion	130	Resp	58239
Ion Ratio	Lower	Upper	
130	100		
95	86.8	0.0	184.2



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





#45

1,2-Dichloropropane

Concen: 15.753 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

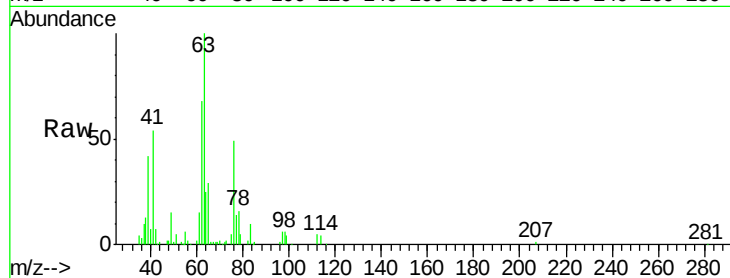
VY0429SBS01

Tot Ion: 63 Resp: 39408

Ion Ratio Lower Upper

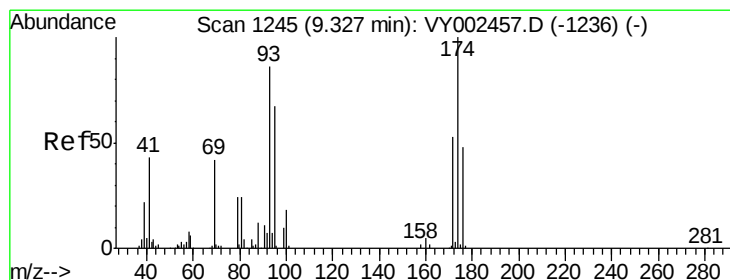
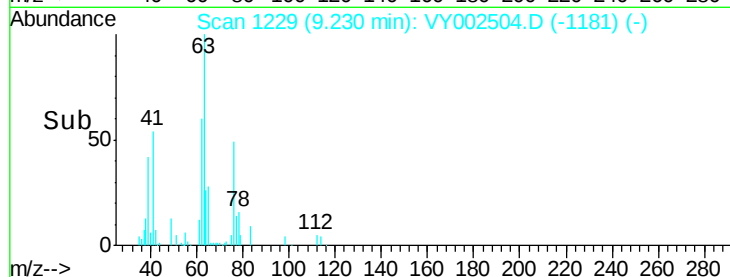
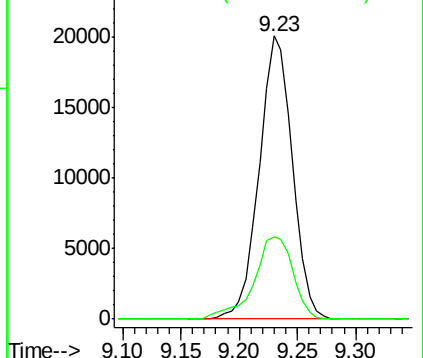
63 100

65 29.0 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 16.638 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

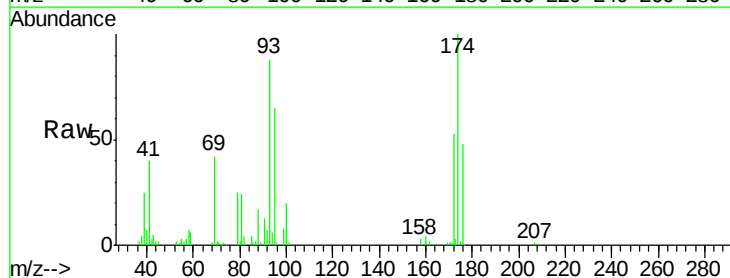
Tgt Ion: 93 Resp: 24351

Ion Ratio Lower Upper

93 100

95 82.2 65.4 98.0

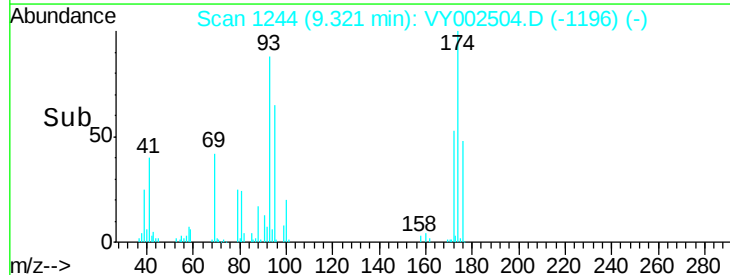
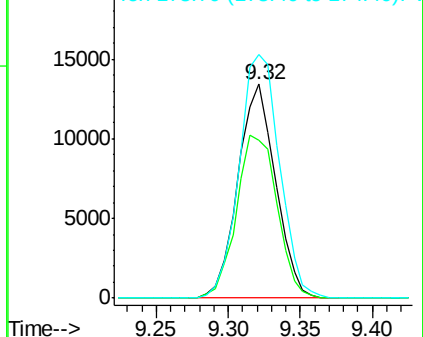
174 121.9 94.8 142.2

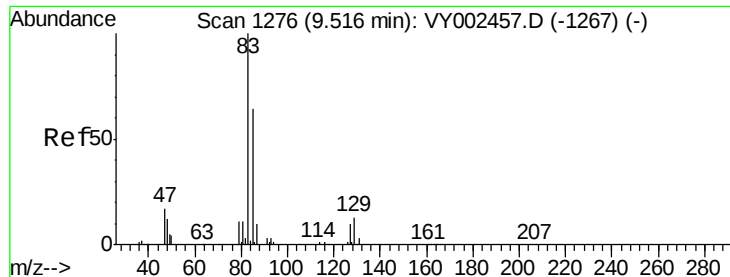


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 16.755 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

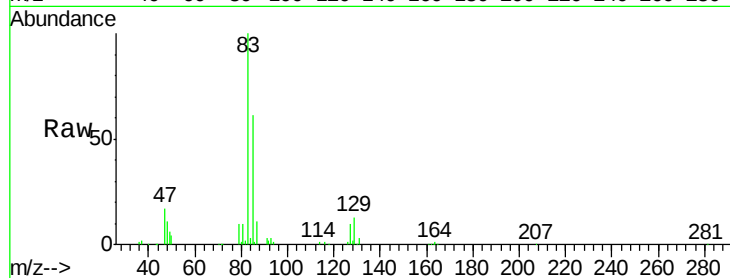
Tot Ion: 83 Resp: 61323

Ion Ratio Lower Upper

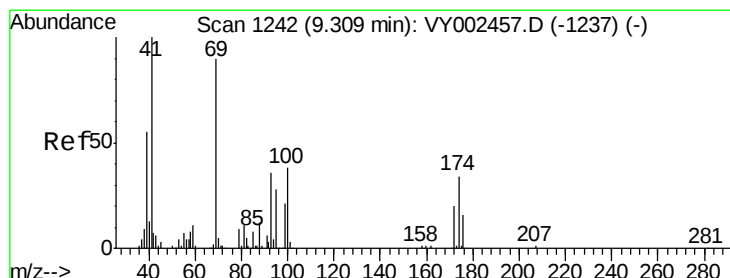
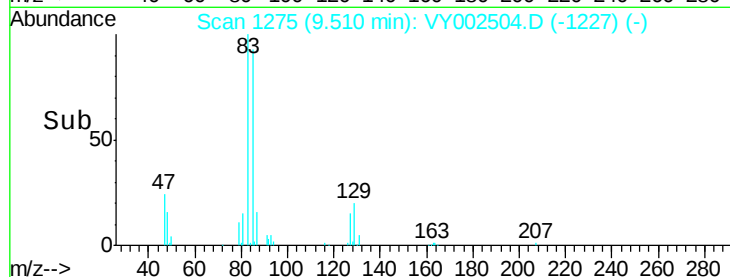
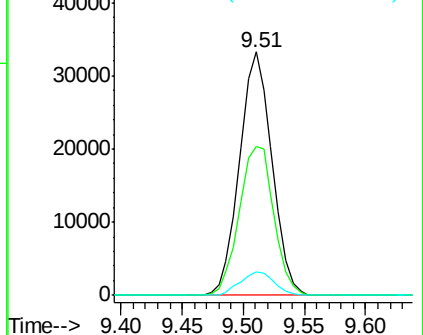
83 100

85 61.0 51.2 76.8

127 9.8 7.7 11.5



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



#48

Methyl methacrylate

Concen: 15.331 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

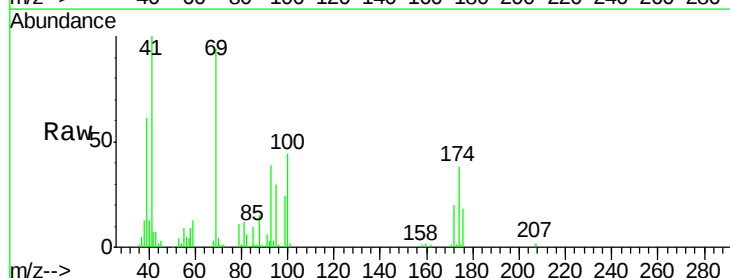
Tgt Ion: 41 Resp: 24695

Ion Ratio Lower Upper

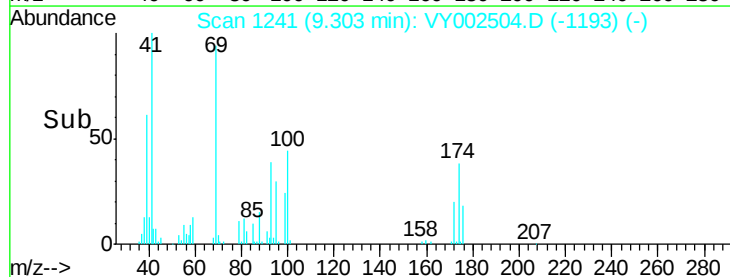
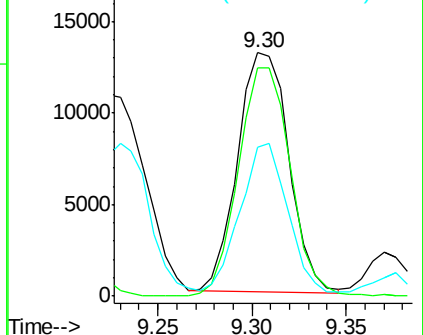
41 100

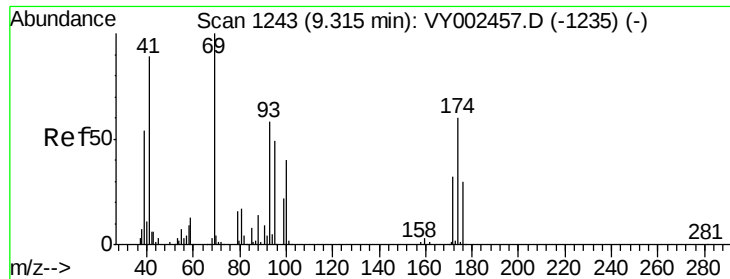
69 96.5 77.9 116.9

39 58.2 47.9 71.9



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

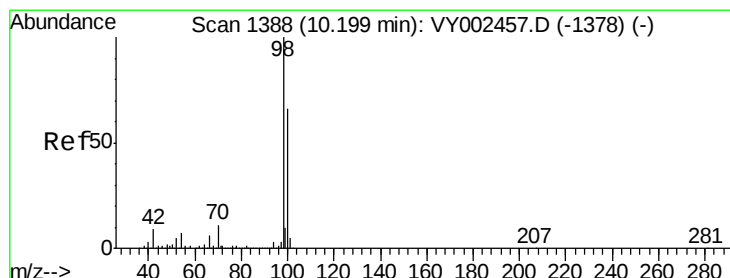
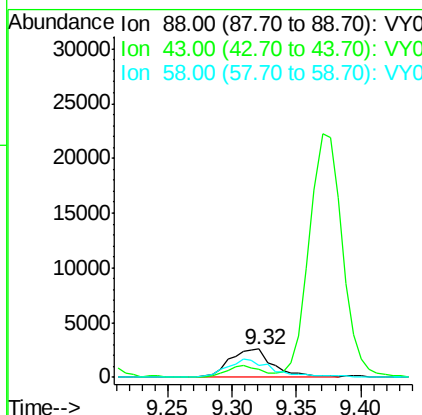
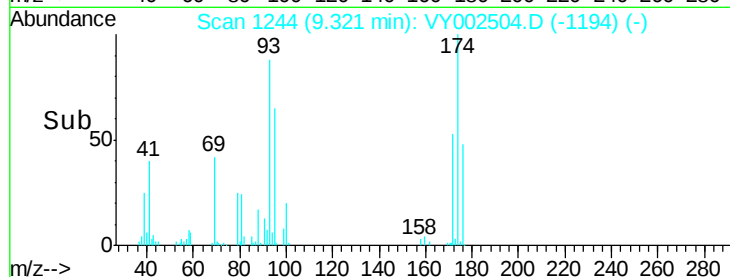
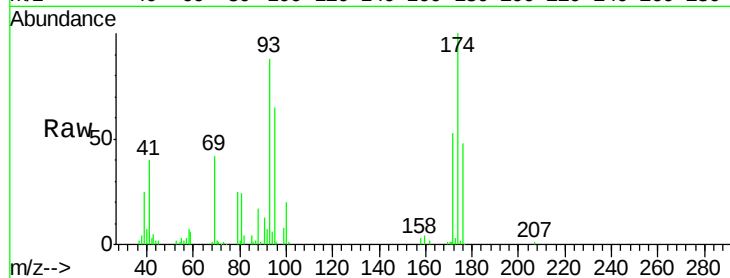




#49
1,4-Dioxane
Concen: 332.888 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

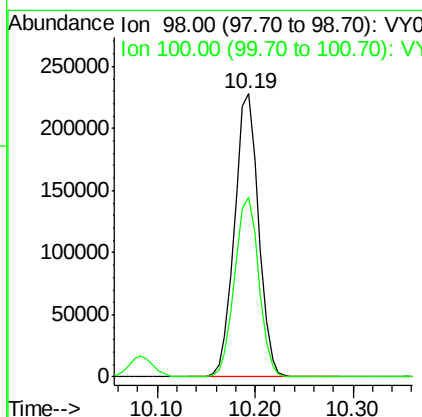
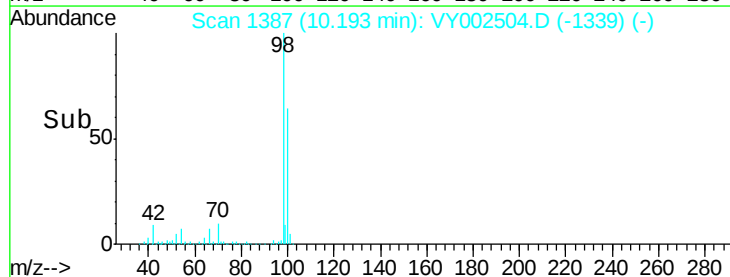
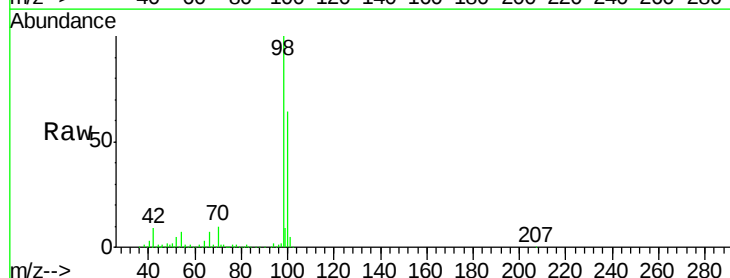
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

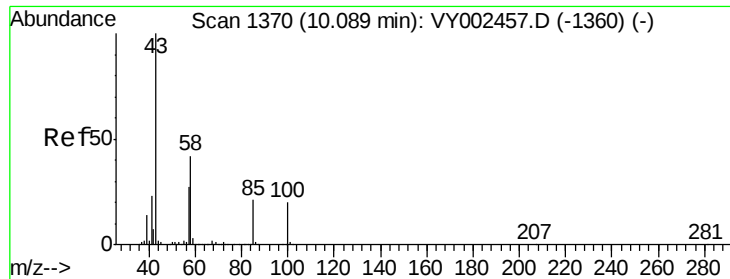
Tot Ion: 88 Resp: 6209
Ion Ratio Lower Upper
88 100
43 30.8 22.9 34.3
58 66.3 49.5 74.3



#50
Toluene-d8
Concen: 39.213 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Tgt Ion: 98 Resp: 389335
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7

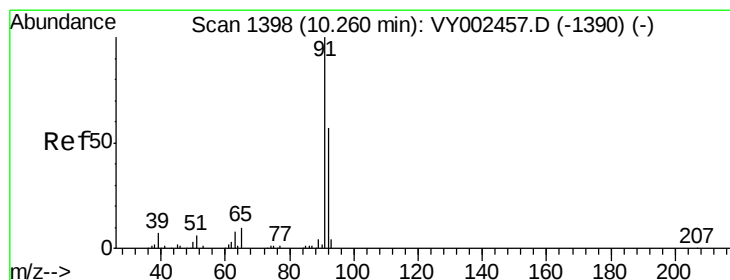
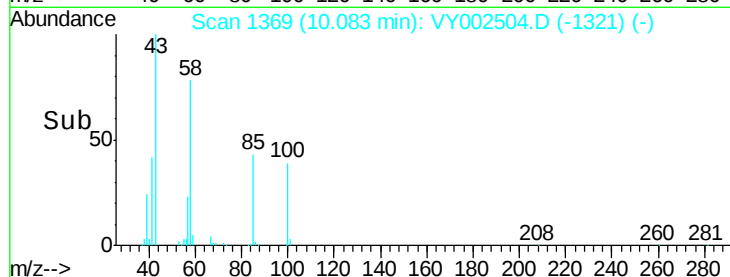
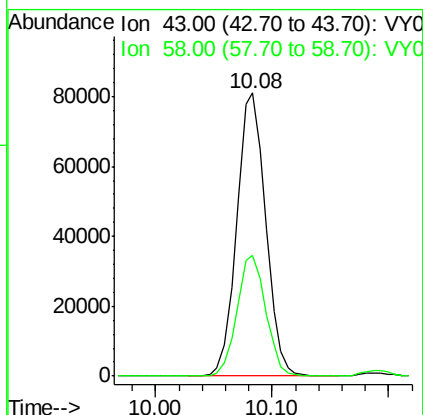
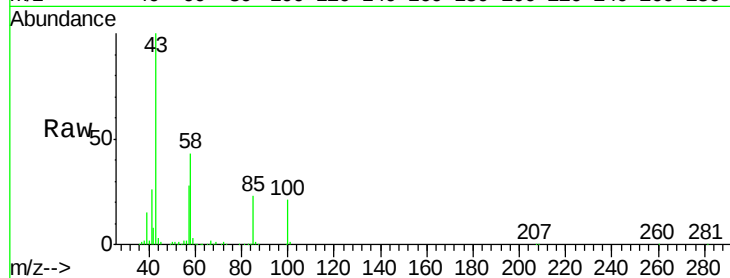




#51
4-Methyl-2-Pentanone
Concen: 76.688 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

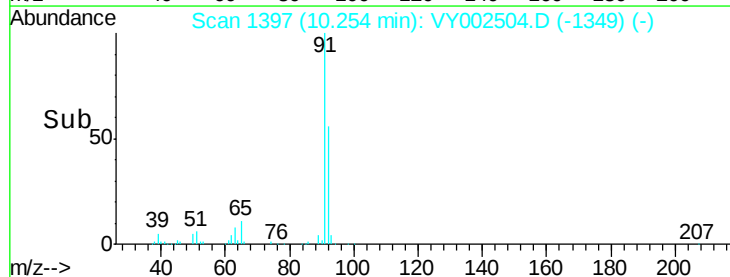
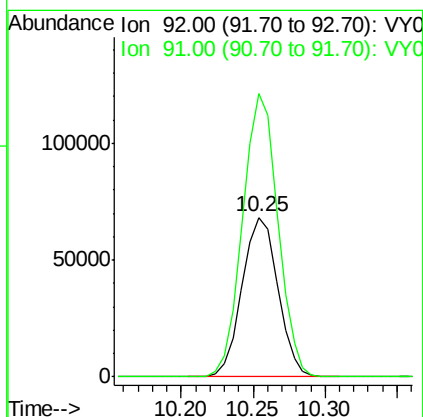
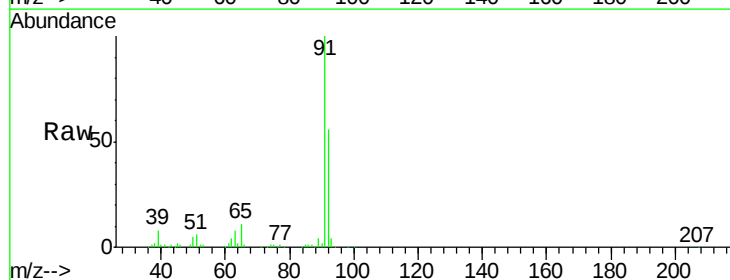
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

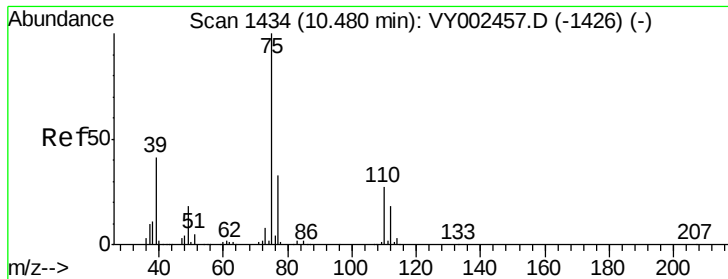
Tot Ion: 43 Resp: 140552
Ion Ratio Lower Upper
43 100
58 42.4 33.2 49.8



#52
Toluene
Concen: 16.805 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Tgt Ion: 92 Resp: 117413
Ion Ratio Lower Upper
92 100
91 174.7 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 16.890 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

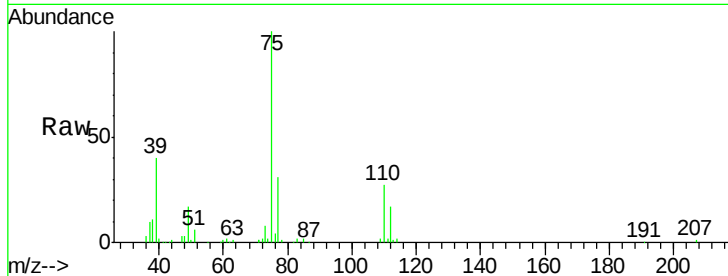
VY0429SBS01

Tot Ion: 75 Resp: 64922

Ion Ratio Lower Upper

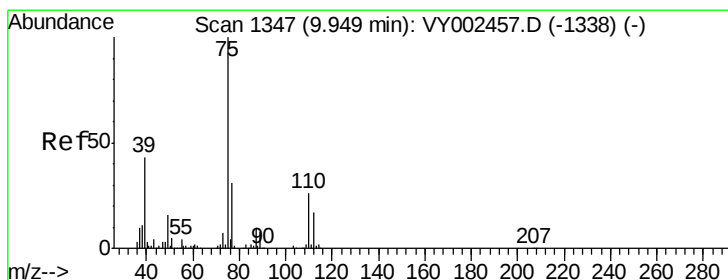
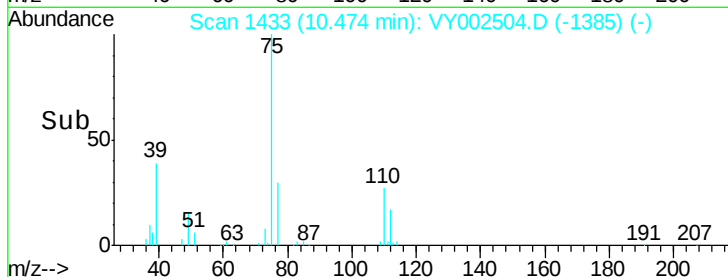
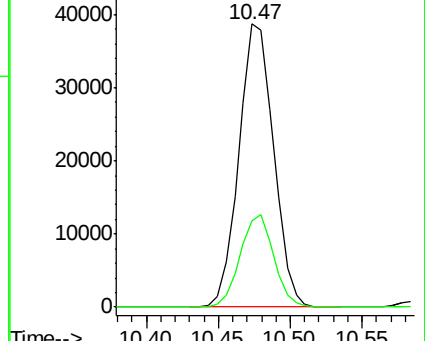
75 100

77 30.5 26.4 39.6



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 16.330 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

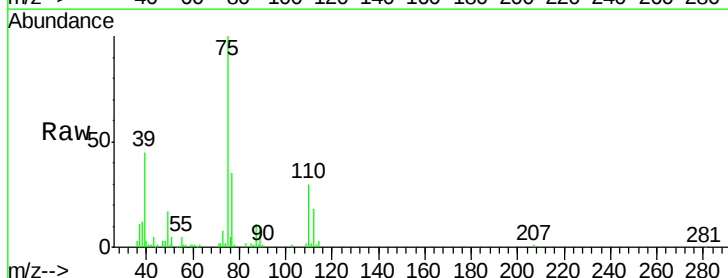
Tgt Ion: 75 Resp: 71843

Ion Ratio Lower Upper

75 100

77 34.8 25.2 37.8

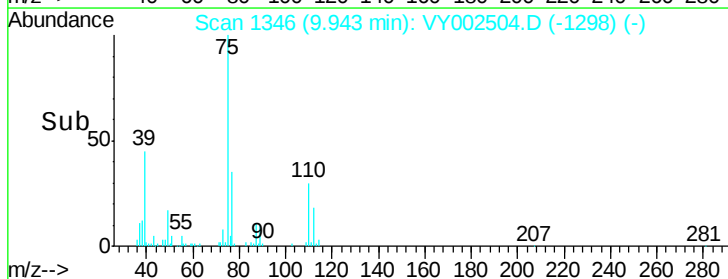
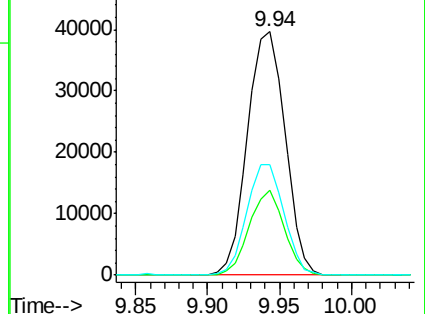
39 45.4 34.2 51.2

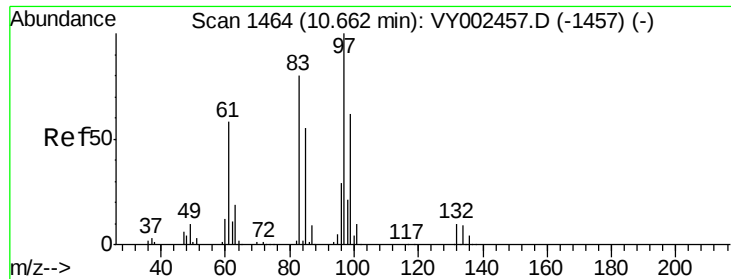


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





#55

1,1,2-Trichloroethane

Concen: 16.417 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

Tot Ion: 97 Resp: 35527

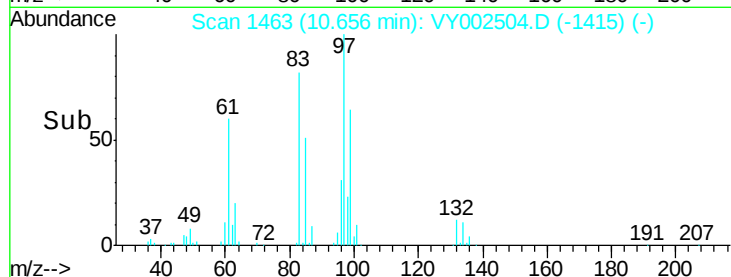
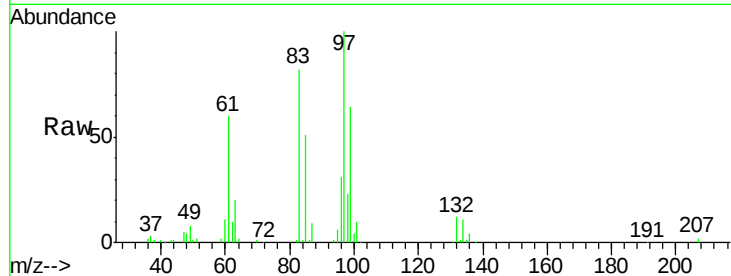
Ion	Ratio	Lower	Upper
97	100		
83	82.5	63.8	95.8
85	51.2	43.9	65.9
99	64.4	49.8	74.6

97 100

83 82.5 63.8 95.8

85 51.2 43.9 65.9

99 64.4 49.8 74.6



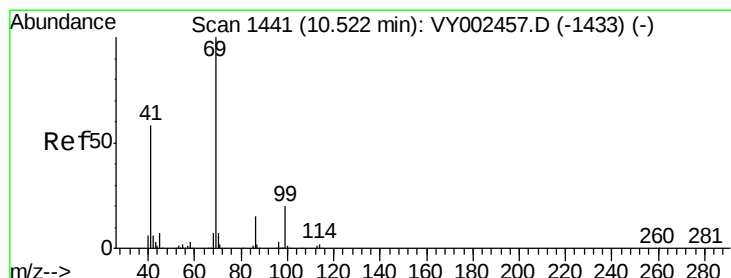
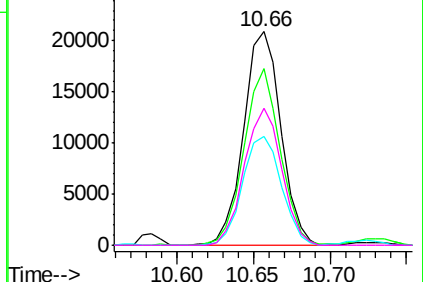
Abundance Ion 96.90 (96.60 to 97.60): VY0

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

Time-->



#56

Ethyl methacrylate

Concen: 15.810 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

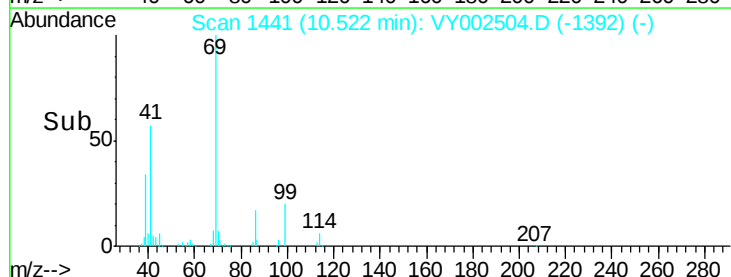
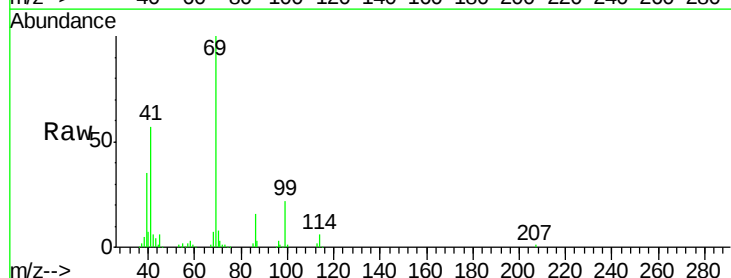
Tgt Ion: 69 Resp: 46747

Ion	Ratio	Lower	Upper
69	100		
41	56.8	47.5	71.3
39	32.6	25.7	38.5

69 100

41 56.8 47.5 71.3

39 32.6 25.7 38.5

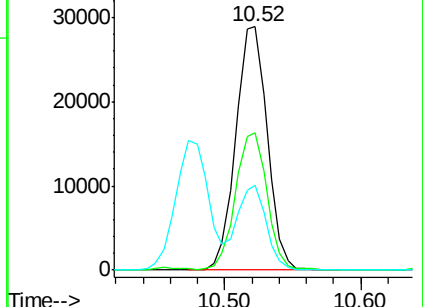


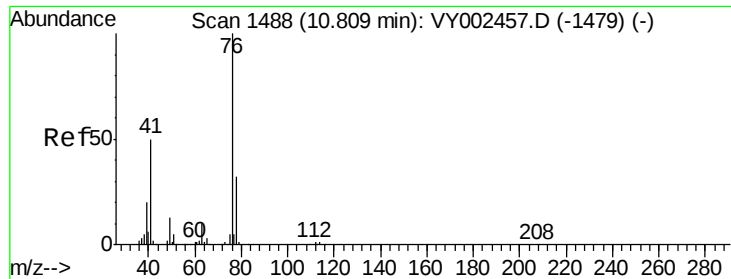
Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Time-->





#57

1,3-Dichloropropane

Concen: 16.369 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

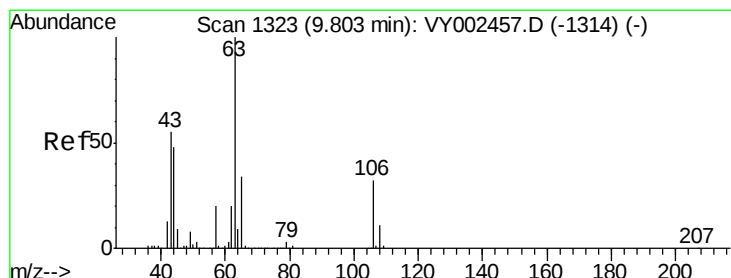
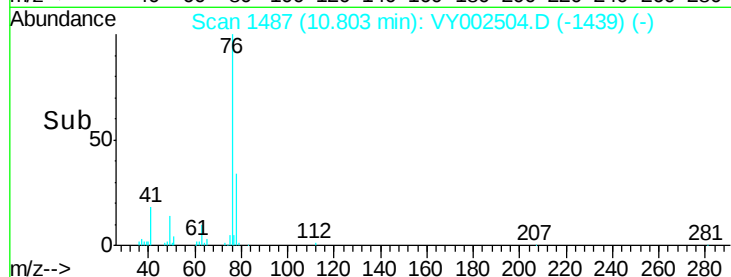
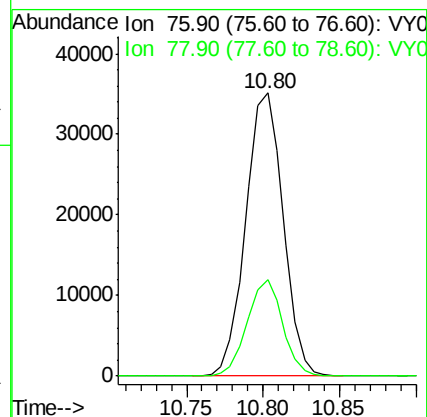
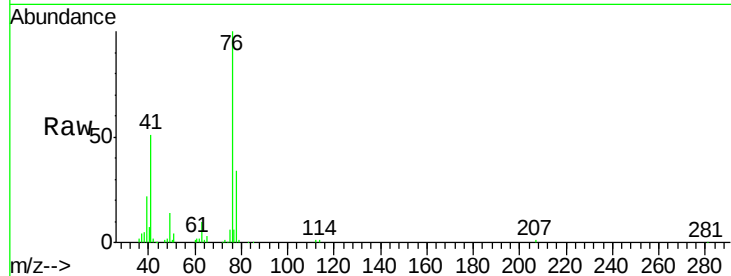
VY0429SBS01

Tot Ion: 76 Resp: 59802

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 78.205 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VY002504.D

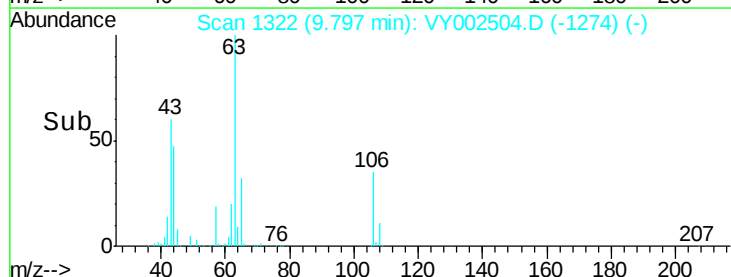
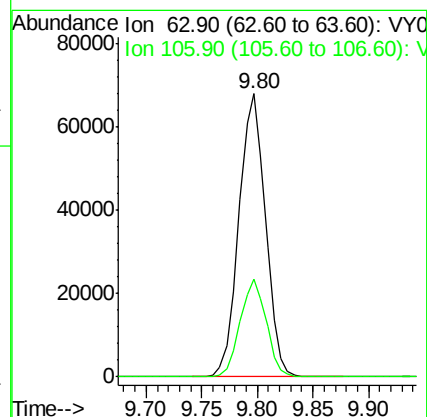
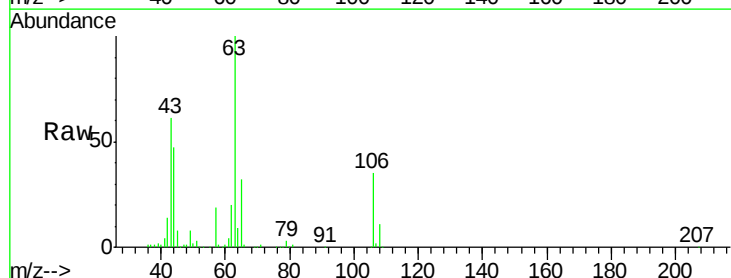
Acq: 29 Apr 2020 12:54

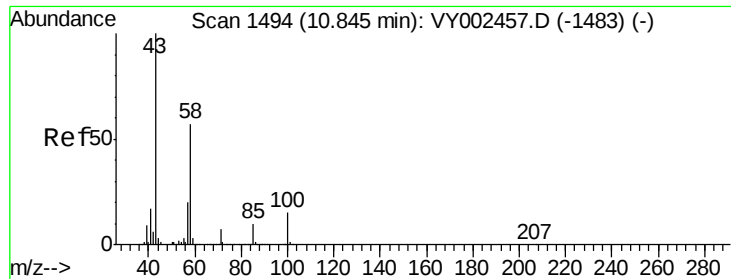
Tgt Ion: 63 Resp: 111822

Ion Ratio Lower Upper

63 100

106 34.0 26.0 39.0





#59

2-Hexanone

Concen: 74.197 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

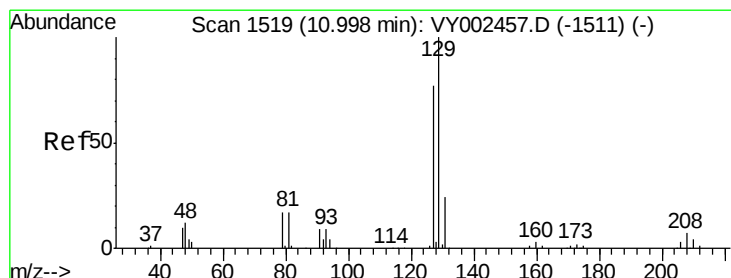
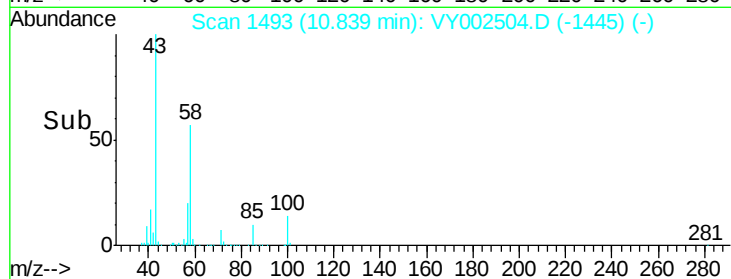
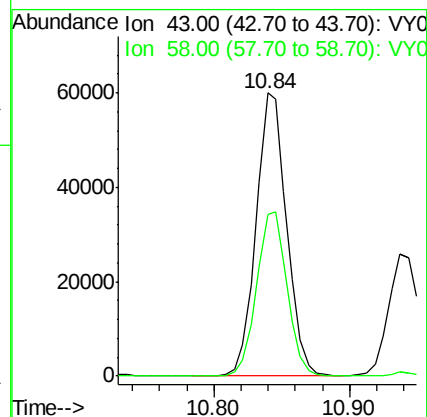
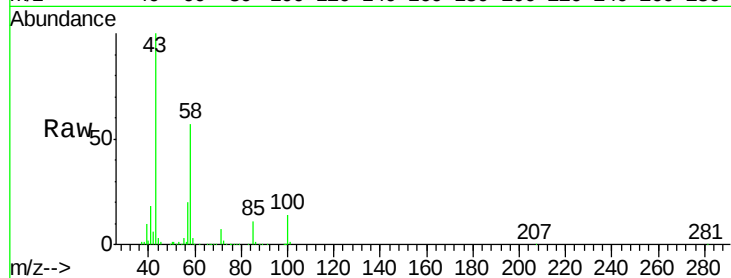
VY0429SBS01

Tot Ion: 43 Resp: 94788

Ion Ratio Lower Upper

43 100

58 57.9 28.8 86.4



#60

Dibromochloromethane

Concen: 17.038 ug/l

RT: 11.00 min Scan# 1519

Delta R.T. 0.00 min

Lab File: VY002504.D

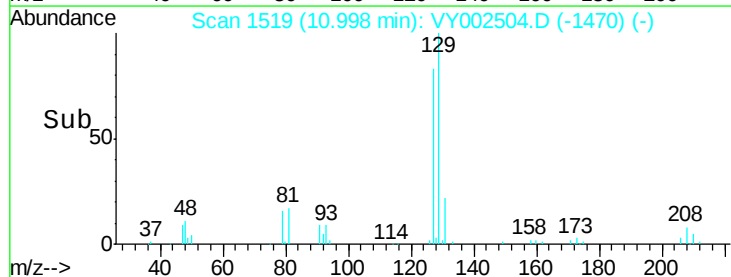
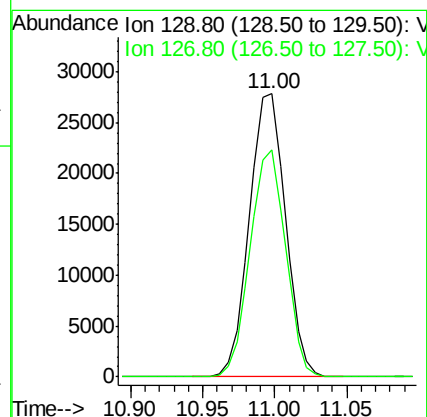
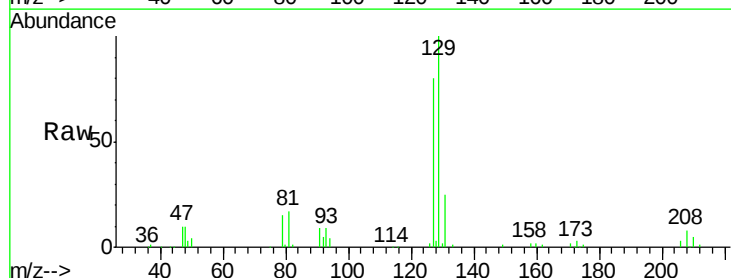
Acq: 29 Apr 2020 12:54

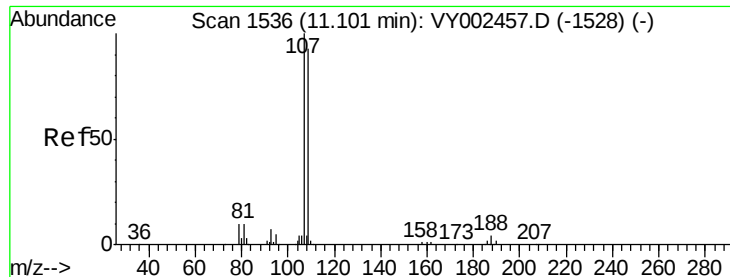
Tgt Ion: 129 Resp: 48312

Ion Ratio Lower Upper

129 100

127 78.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 15.866 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

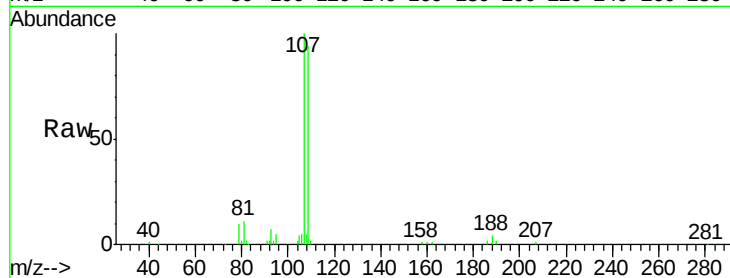
VY0429SBS01

Tot Ion:107 Resp: 34045

Ion Ratio Lower Upper

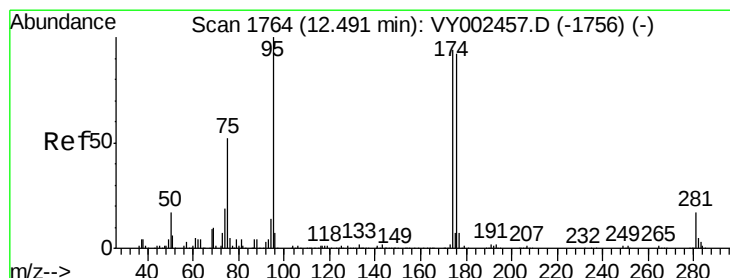
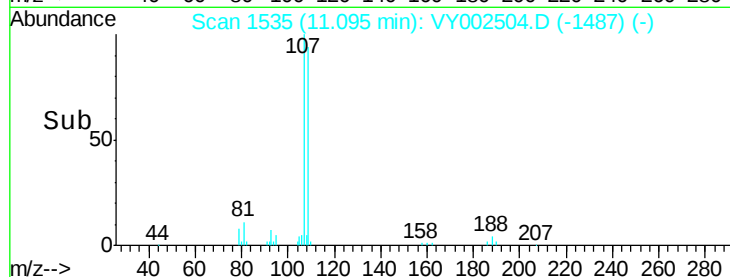
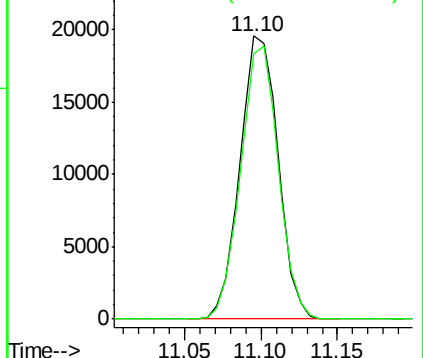
107 100

109 95.3 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 39.934 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

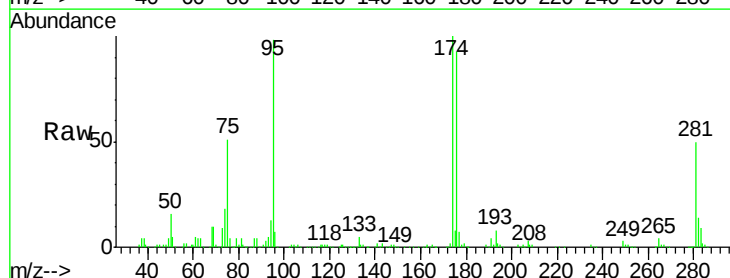
Tgt Ion: 95 Resp: 133040

Ion Ratio Lower Upper

95 100

174 99.0 0.0 193.0

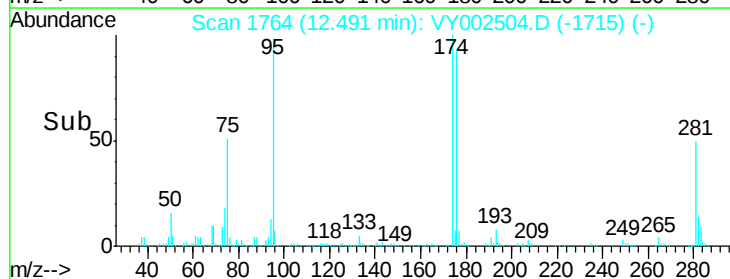
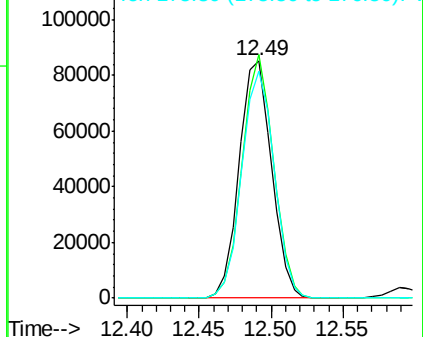
176 95.3 0.0 190.4

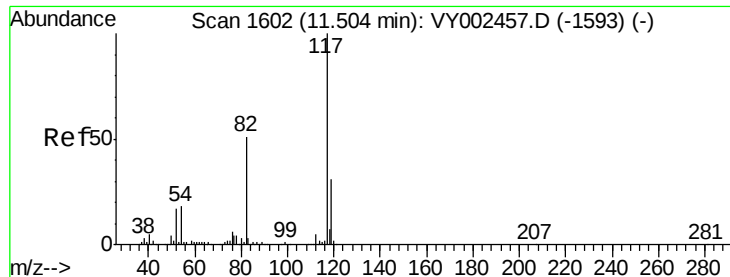


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

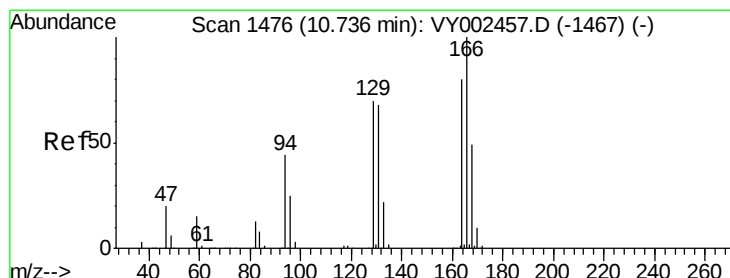
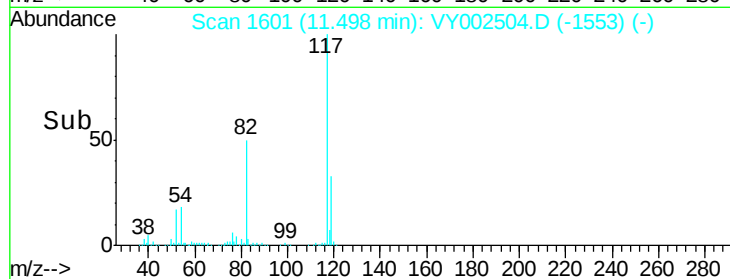
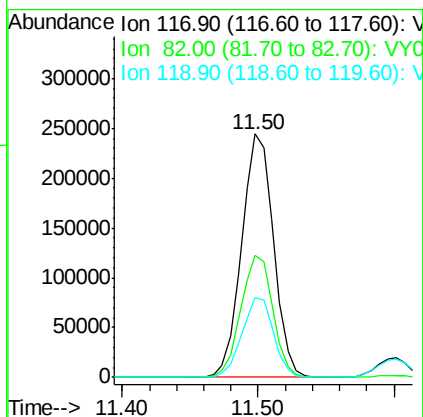
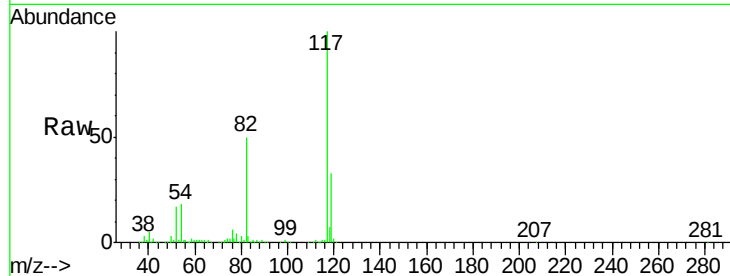




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

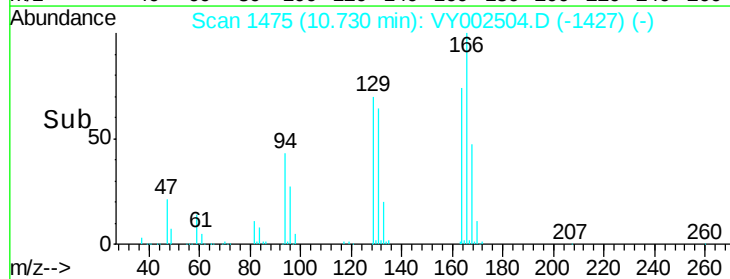
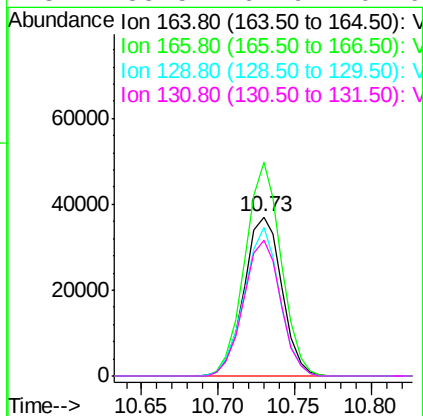
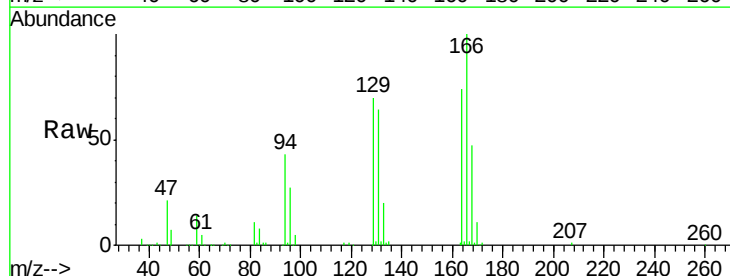
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

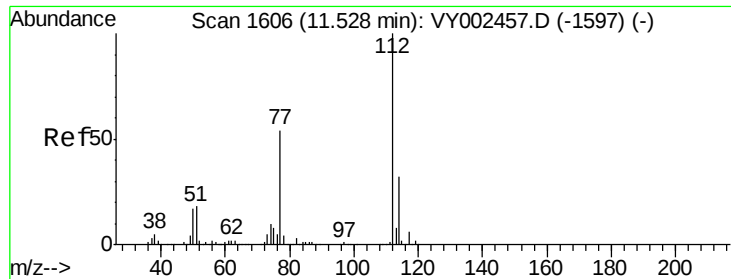
Tot Ion:117 Resp: 400177
Ion Ratio Lower Upper
117 100
82 50.4 40.8 61.2
119 32.6 25.2 37.8



#64
Tetrachloroethene
Concen: 17.286 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Tgt Ion:164 Resp: 63399
Ion Ratio Lower Upper
164 100
166 134.4 100.0 150.0
129 93.8 69.8 104.8
131 85.5 67.9 101.9

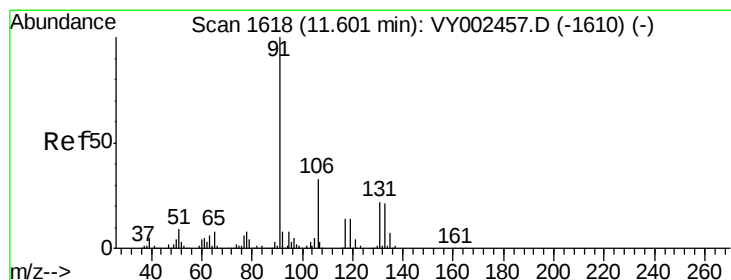
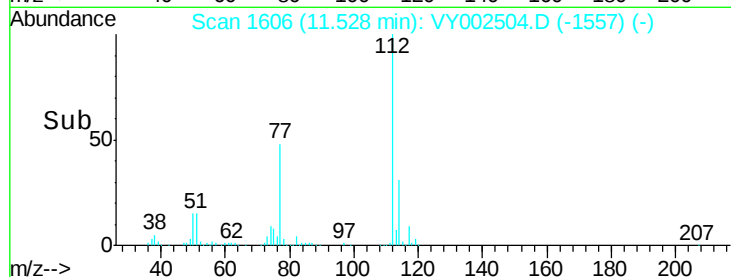
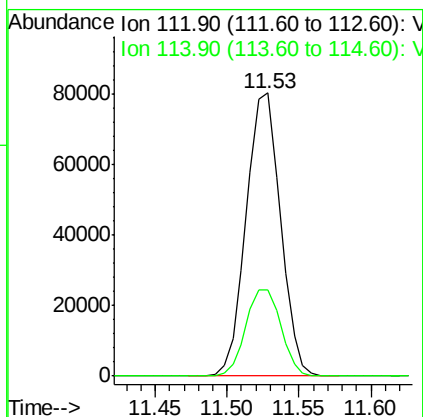
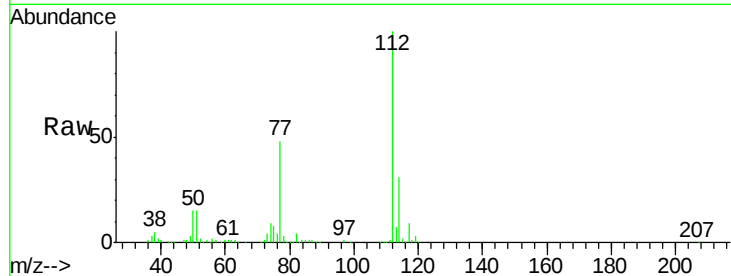




#65
Chlorobenzene
Concen: 17.169 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

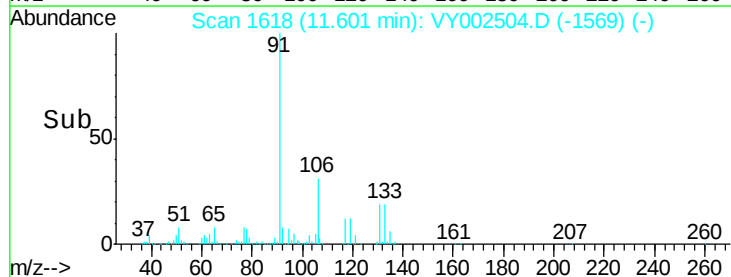
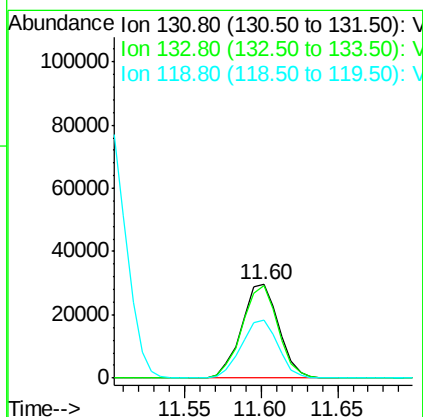
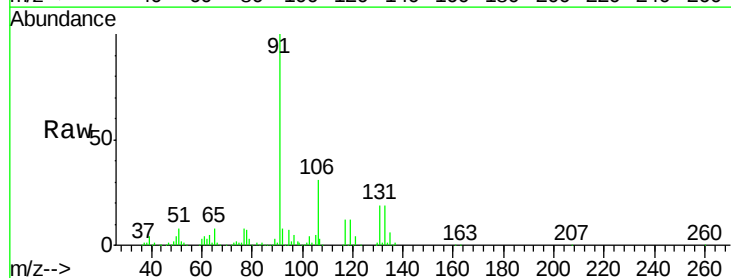
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

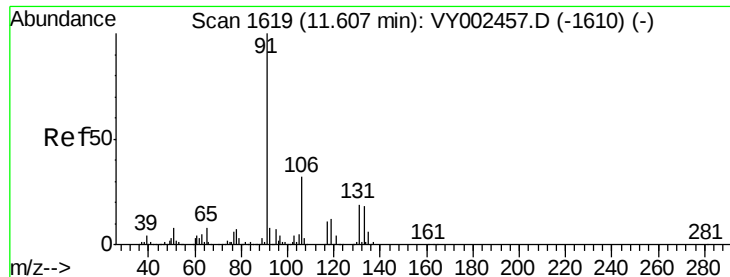
Tot Ion:112 Resp: 132453
Ion Ratio Lower Upper
112 100
114 30.7 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 17.332 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Tgt Ion:131 Resp: 50171
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.4
119 61.2 31.1 93.3





#67

Ethyl Benzene

Concen: 17.007 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

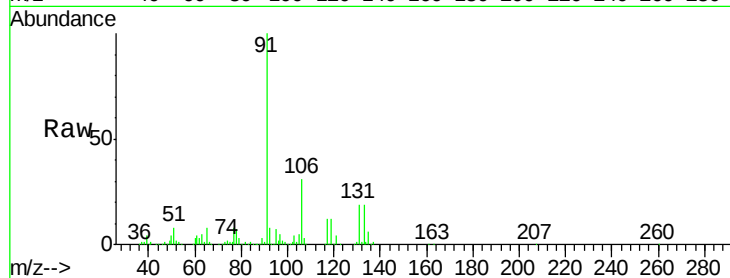
VY0429SBS01

Tot Ion: 91 Resp: 233845

Ion Ratio Lower Upper

91 100

106 30.9 25.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VY002457.D (-1610) (-)

Ion 106.00 (105.70 to 106.70): VY002457.D (-1610) (-)

200000

150000

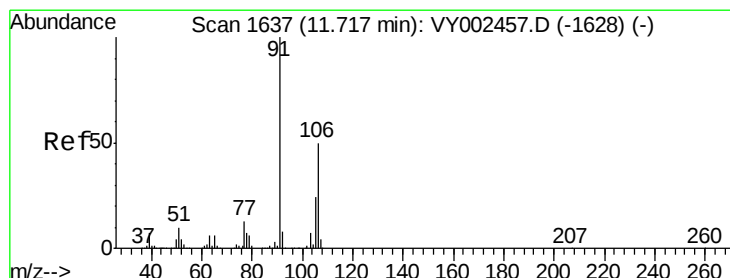
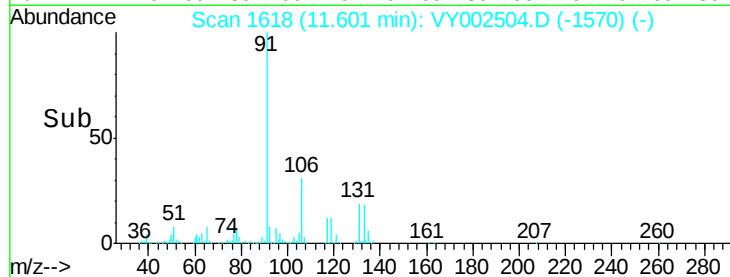
100000

50000

0

11.55 11.60 11.65

Time-->



#68

m/p-Xylenes

Concen: 34.001 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.01 min

Lab File: VY002504.D

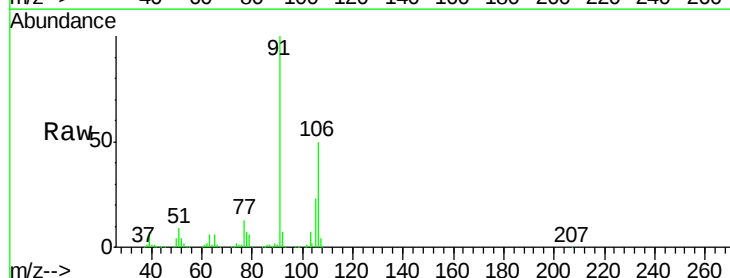
Acq: 29 Apr 2020 12:54

Tgt Ion: 106 Resp: 179968

Ion Ratio Lower Upper

106 100

91 196.6 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): VY002457.D (-1628) (-)

Ion 91.00 (90.70 to 91.70): VY002457.D (-1628) (-)

200000

150000

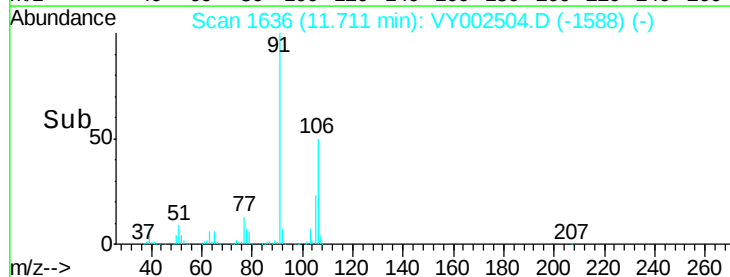
100000

50000

0

11.70 11.71 11.72

Time-->





#69

o-Xylene

Concen: 17.299 ug/l

RT: 12.03 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

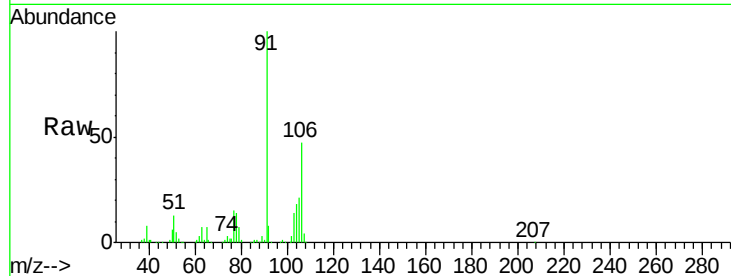
VY0429SBS01

Tot Ion:106 Resp: 84791

Ion Ratio Lower Upper

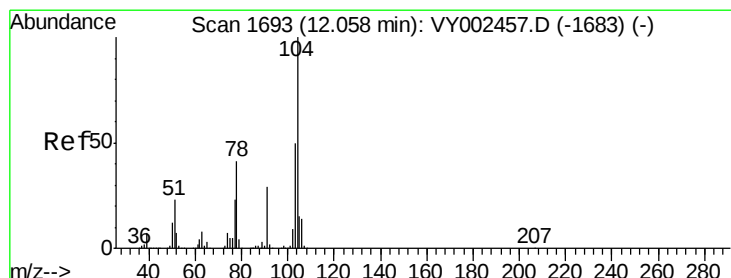
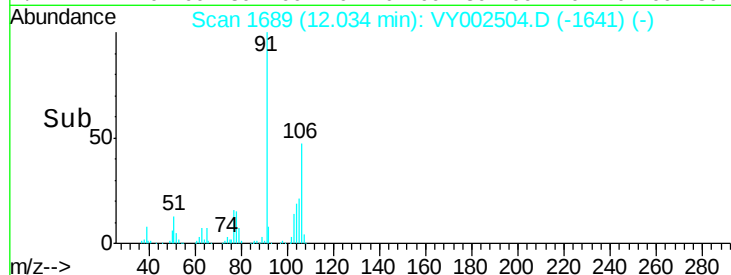
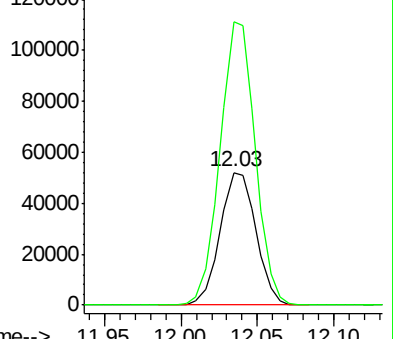
106 100

91 209.5 104.5 313.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#70

Styrene

Concen: 17.178 ug/l

RT: 12.05 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

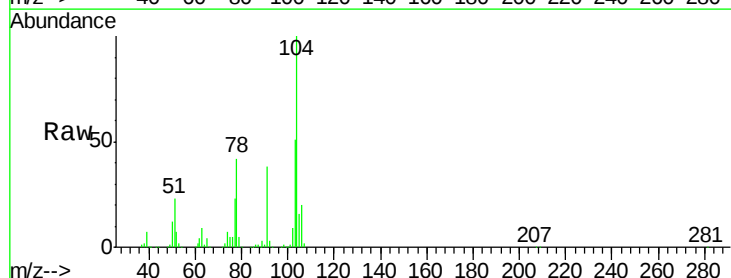
Tgt Ion:104 Resp: 146611

Ion Ratio Lower Upper

104 100

78 47.8 38.0 57.0

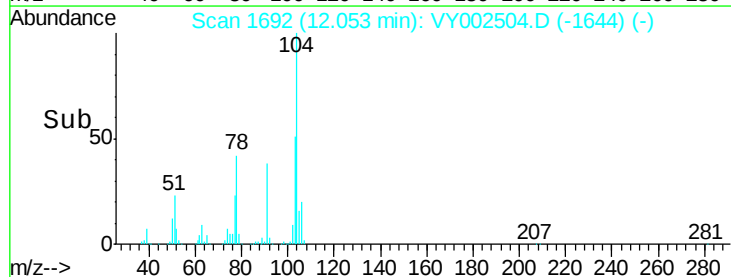
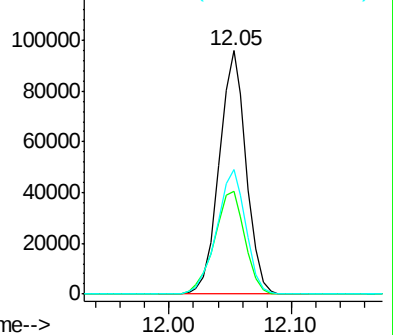
103 55.3 44.4 66.6

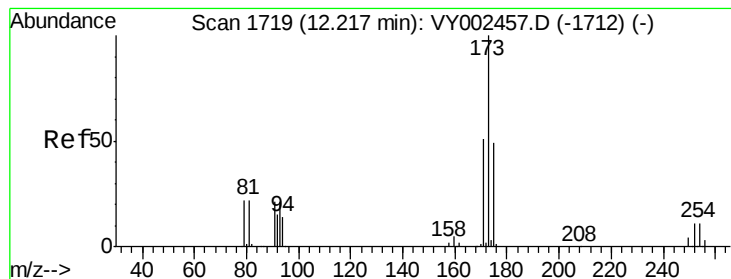


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.380 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

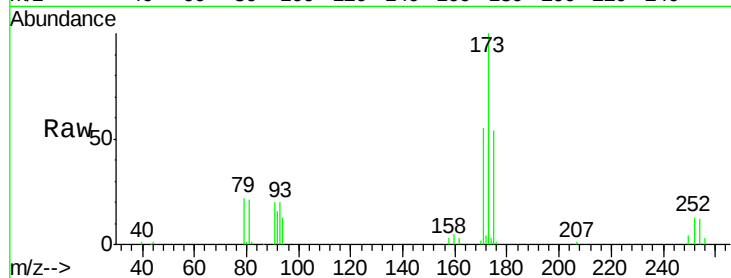
Tot Ion:173 Resp: 29870

Ion Ratio Lower Upper

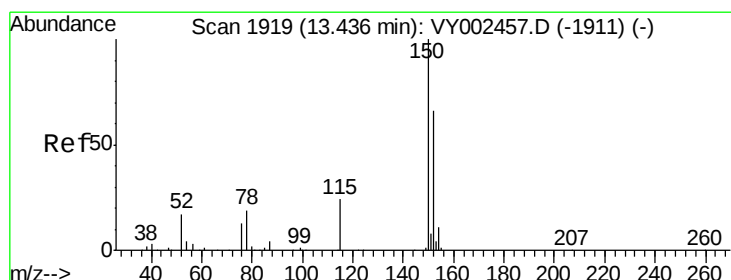
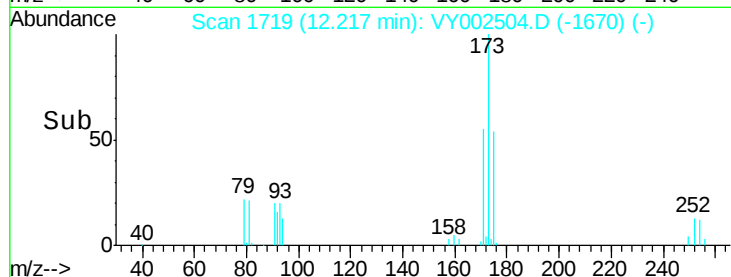
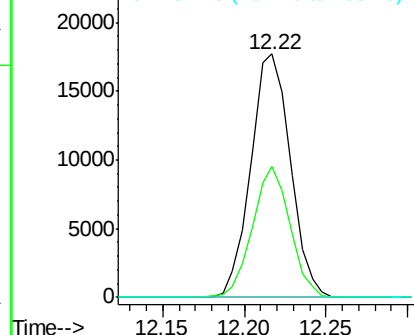
173 100

175 50.8 24.3 73.0

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: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

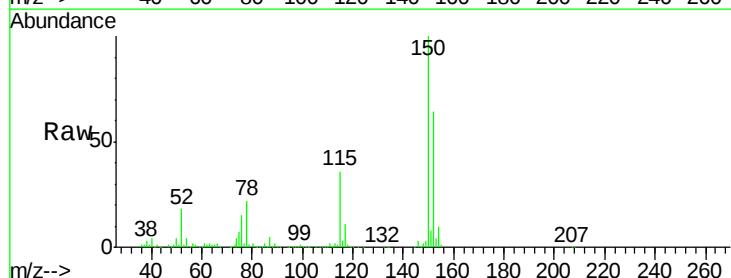
Tgt Ion:152 Resp: 208922

Ion Ratio Lower Upper

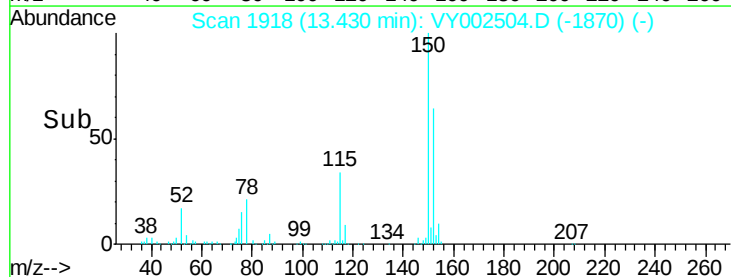
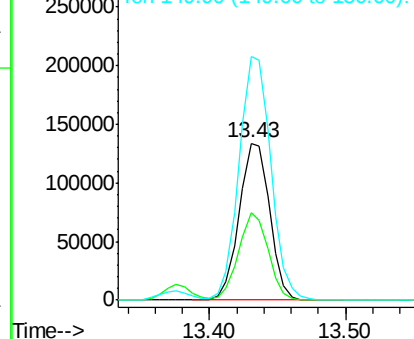
152 100

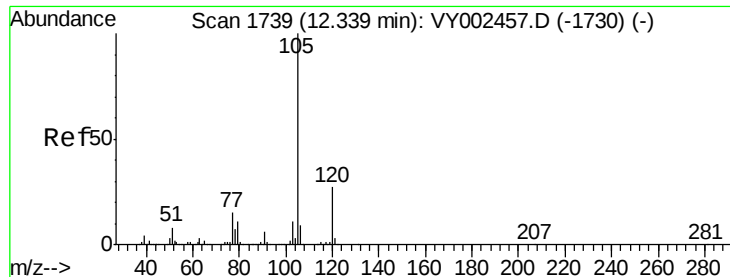
115 53.9 27.3 81.8

150 162.6 0.0 346.8



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: 17.001 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

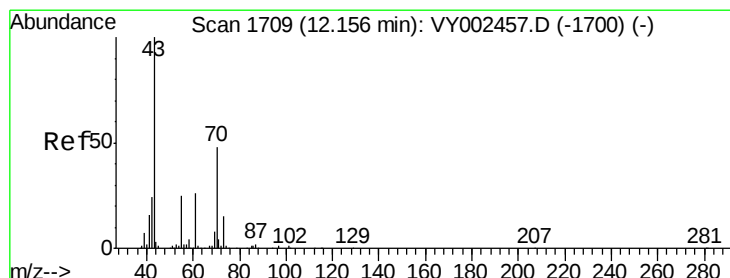
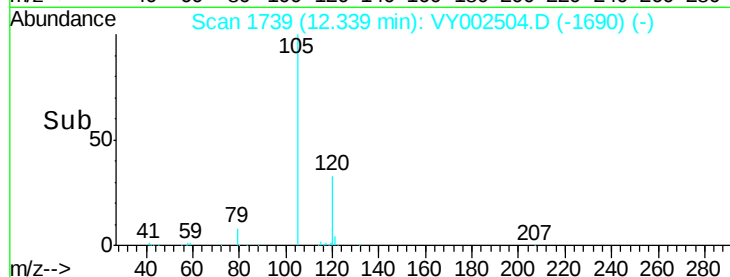
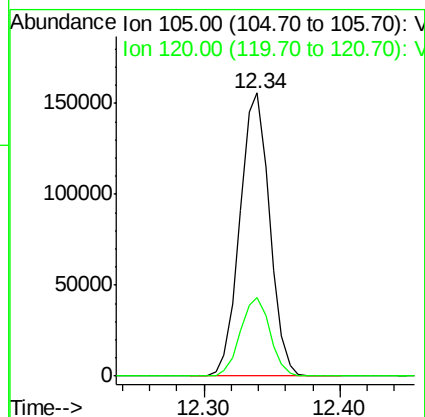
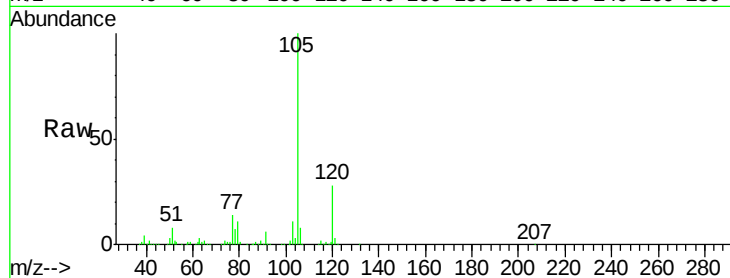
VY0429SBS01

Tot Ion:105 Resp: 237456

Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.7



#74

N-ethyl acetate

Concen: 14.599 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Tgt Ion: 43 Resp: 48318

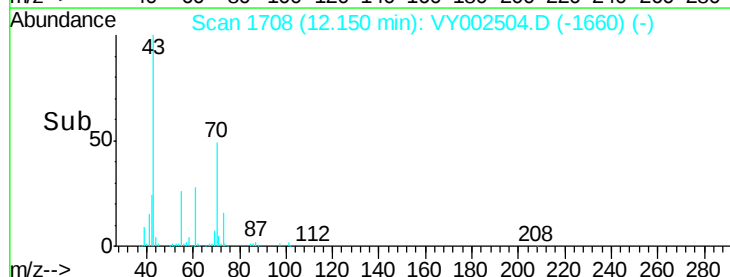
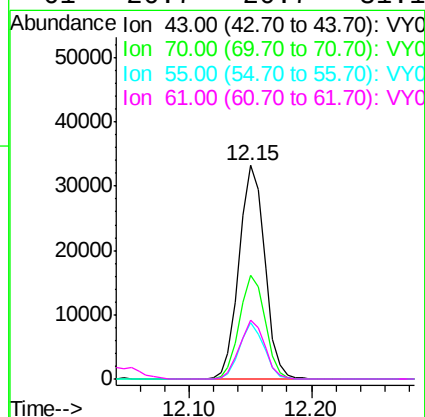
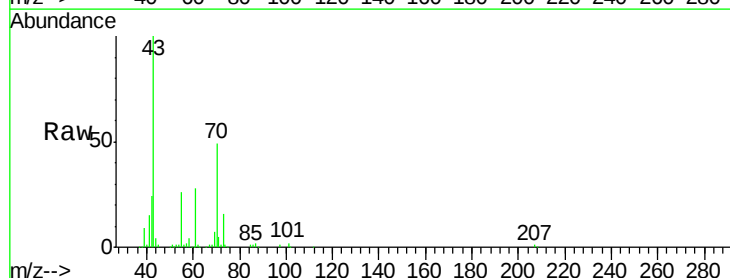
Ion Ratio Lower Upper

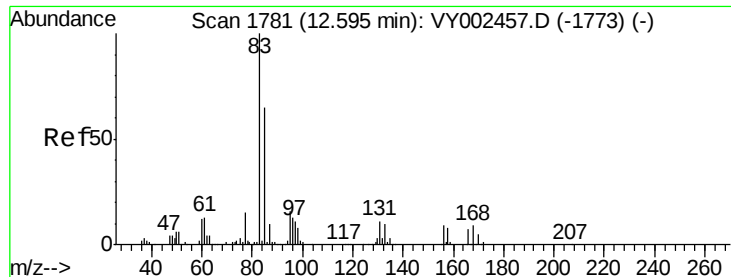
43 100

70 48.3 37.2 55.8

55 24.9 19.6 29.4

61 26.7 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 15.115 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

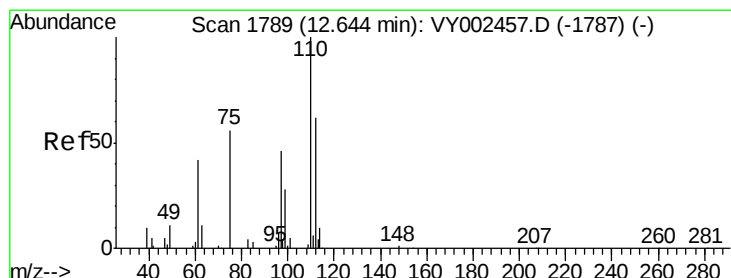
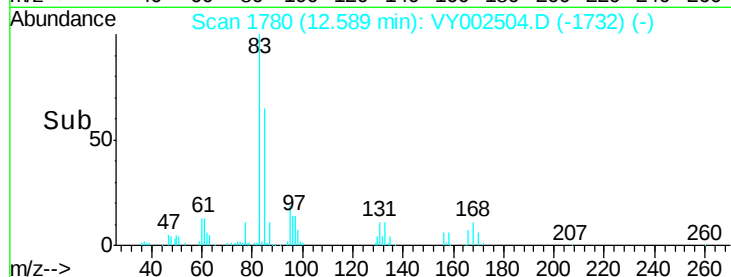
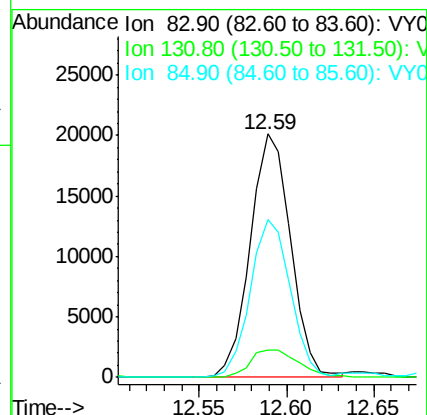
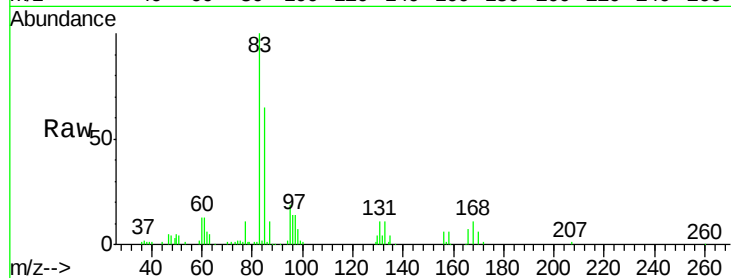
Tot Ion: 83 Resp: 32425

Ion Ratio Lower Upper

83 100

131 13.7 6.2 18.6

85 64.0 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 17.545 ug/l m

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY002504.D

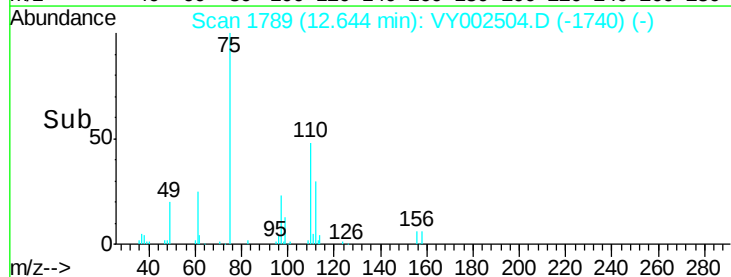
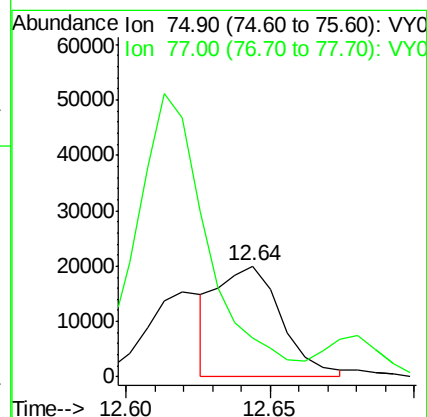
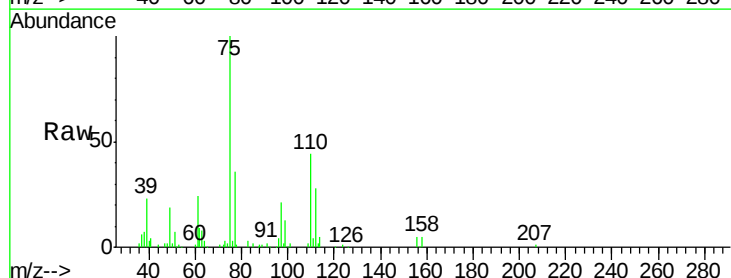
Acq: 29 Apr 2020 12:54

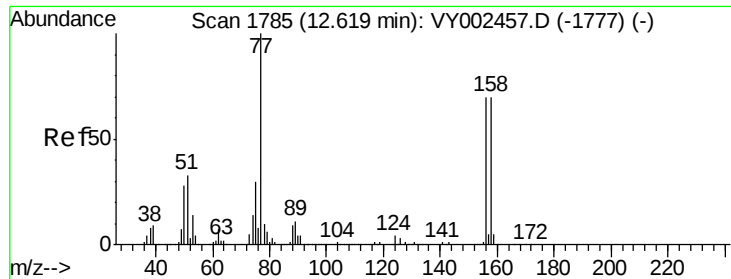
Tgt Ion: 75 Resp: 31068

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 16.949 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

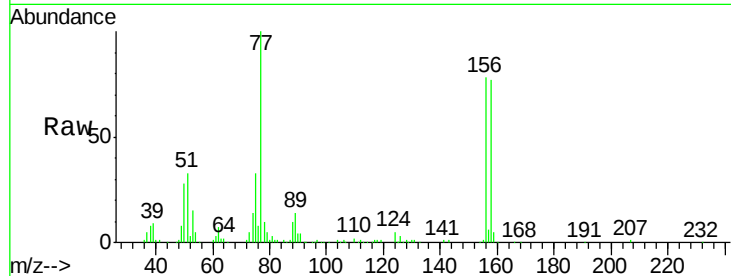
Tot Ion:156 Resp: 59372

Ion Ratio Lower Upper

156 100

77 148.7 78.5 235.7

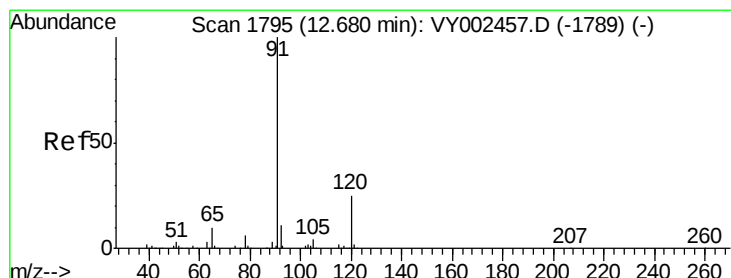
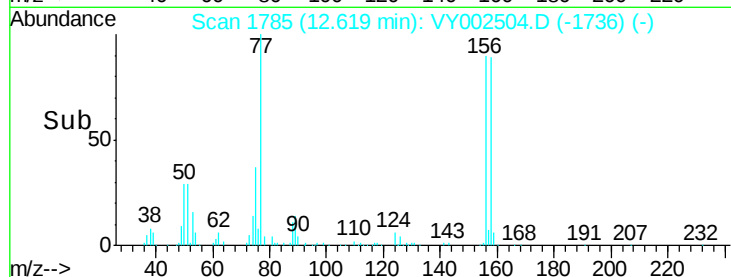
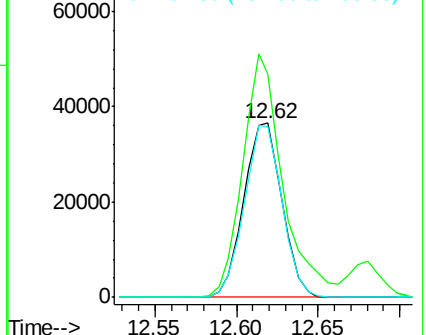
158 97.9 48.4 145.3



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: 16.617 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002504.D

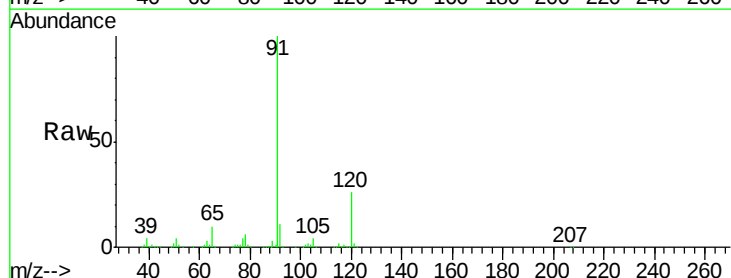
Acq: 29 Apr 2020 12:54

Tgt Ion: 91 Resp: 269480

Ion Ratio Lower Upper

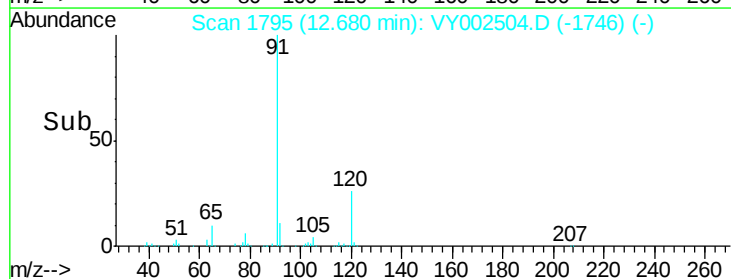
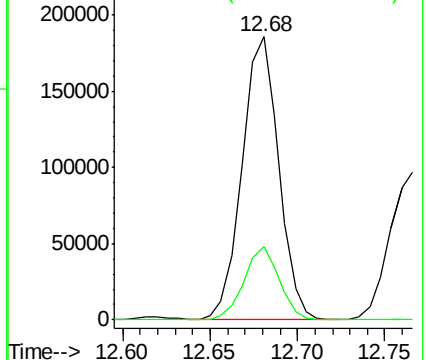
91 100

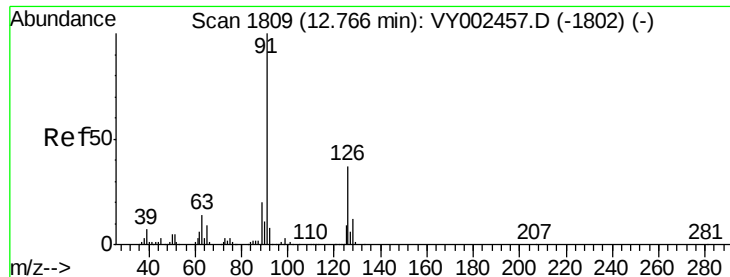
120 24.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

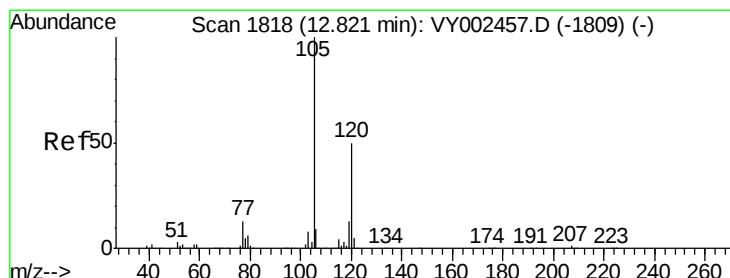
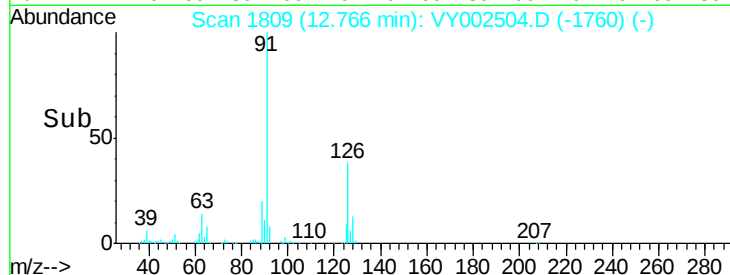
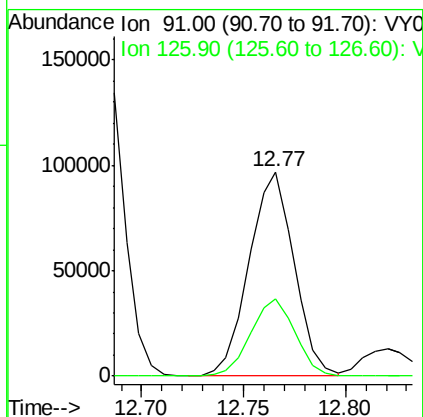
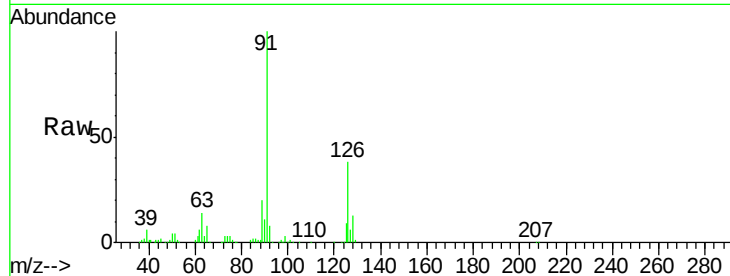




#79
 2-Chlorotoluene
 Concen: 16.732 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

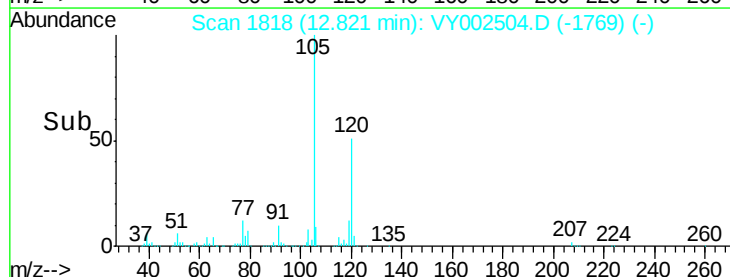
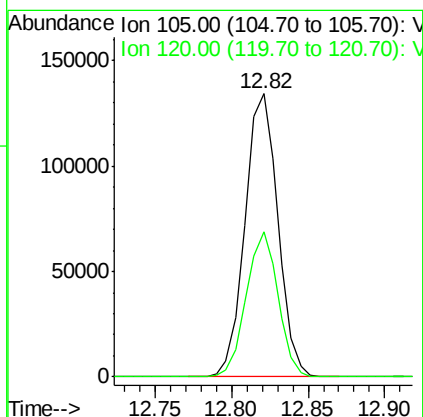
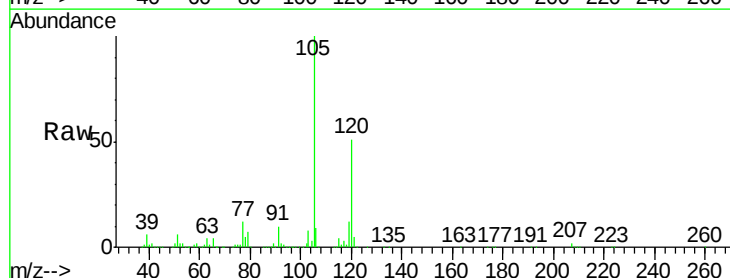
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

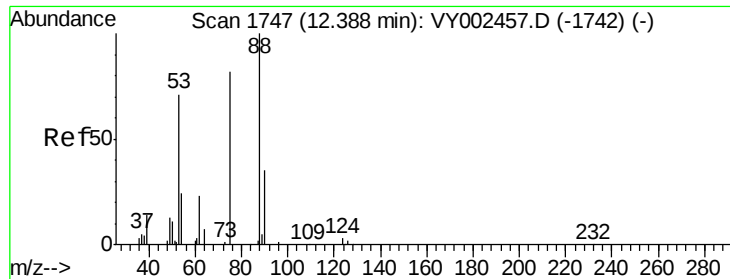
Tot Ion: 91 Resp: 148479
 Ion Ratio Lower Upper
 91 100
 126 37.6 18.5 55.5



#80
 1,3,5-Trimethylbenzene
 Concen: 16.912 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

Tgt Ion: 105 Resp: 200490
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 15.491 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

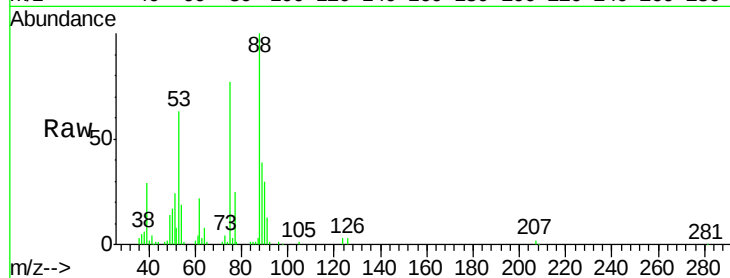
Tot Ion: 75 Resp: 14823

Ion Ratio Lower Upper

75 100

53 86.4 70.0 105.0

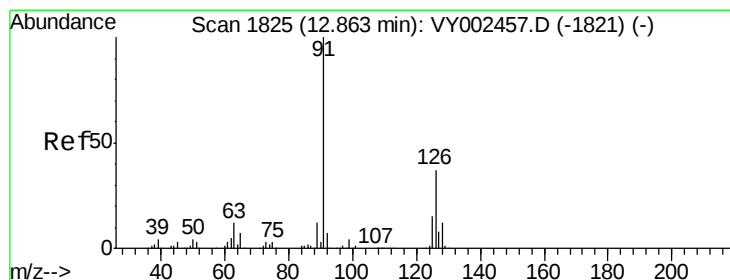
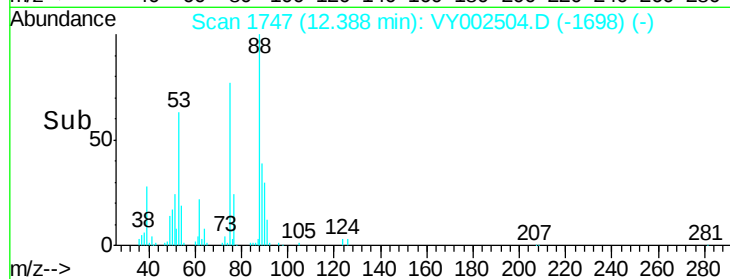
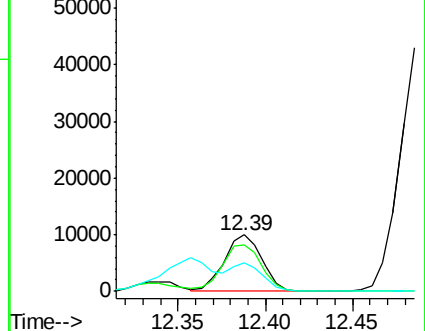
89 41.5 34.9 52.3



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 17.022 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY002504.D

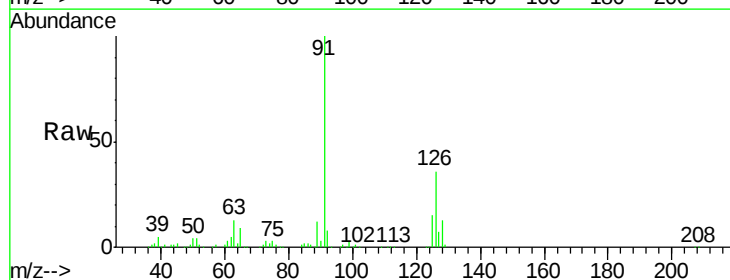
Acq: 29 Apr 2020 12:54

Tgt Ion: 91 Resp: 156117

Ion Ratio Lower Upper

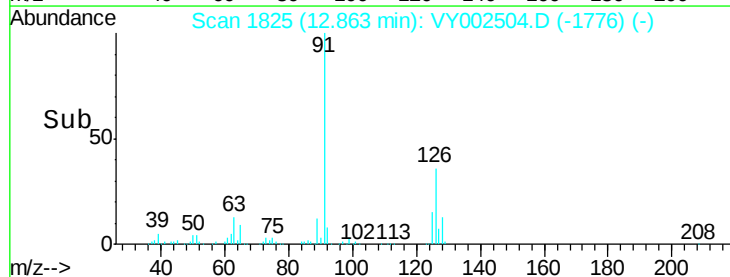
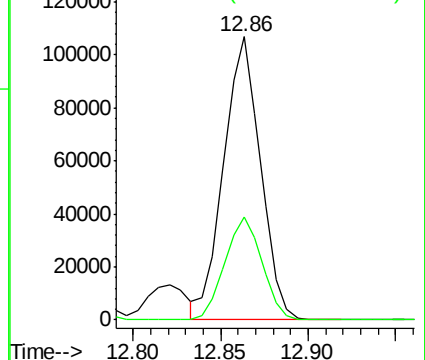
91 100

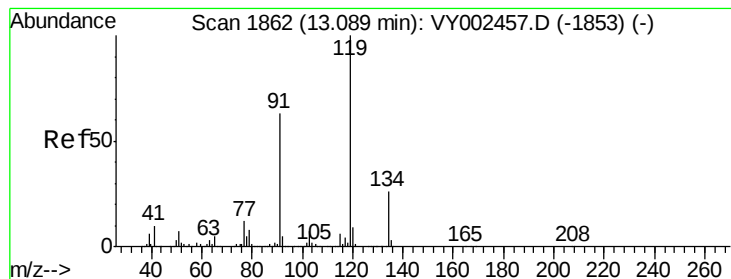
126 36.7 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 16.919 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

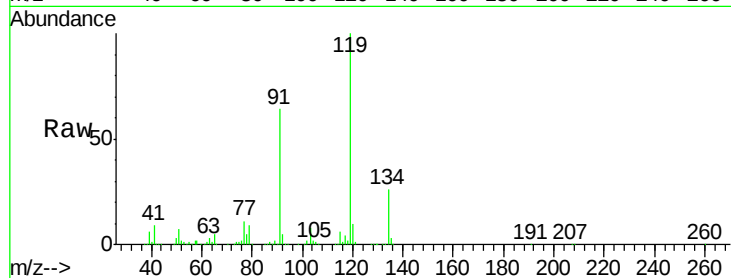
Tot Ion:119 Resp: 174168

Ion Ratio Lower Upper

119 100

91 63.1 30.8 92.3

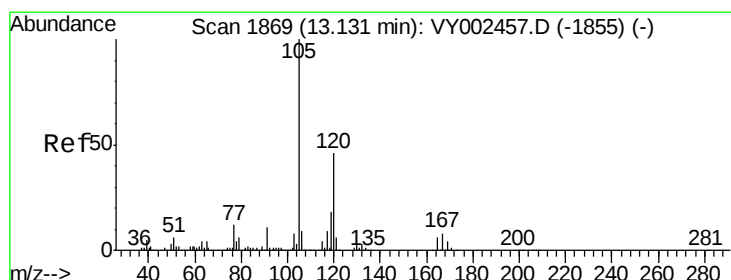
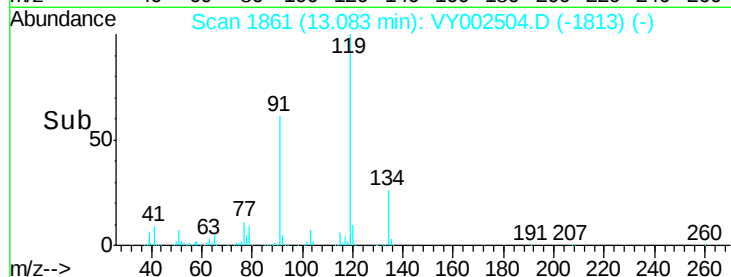
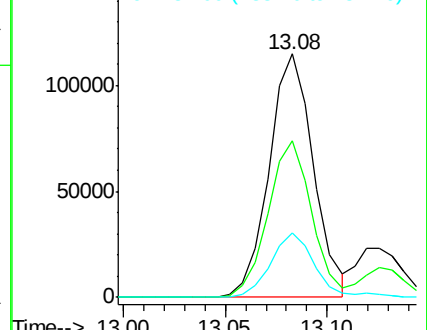
134 26.6 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.641 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VY002504.D

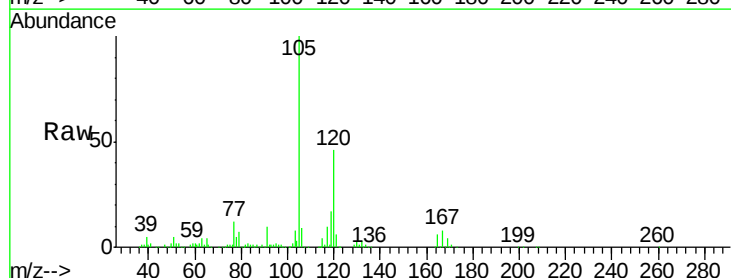
Acq: 29 Apr 2020 12:54

Tgt Ion:105 Resp: 200644

Ion Ratio Lower Upper

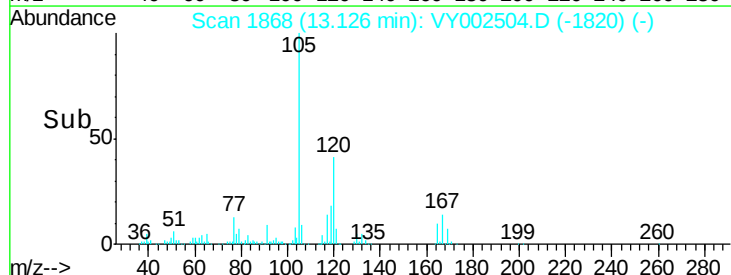
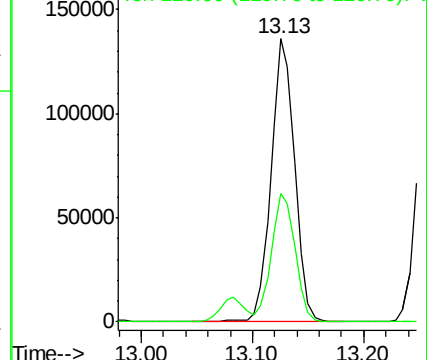
105 100

120 45.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.225 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

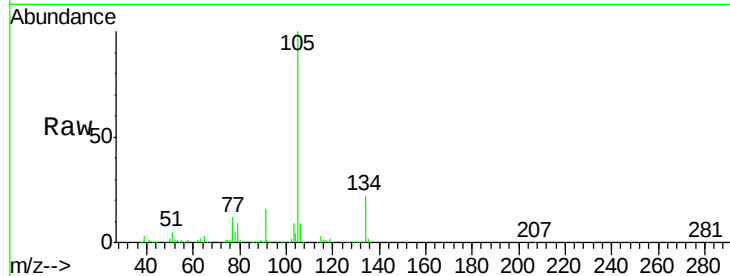
VY0429SBS01

Tot Ion:105 Resp: 237430

Ion Ratio Lower Upper

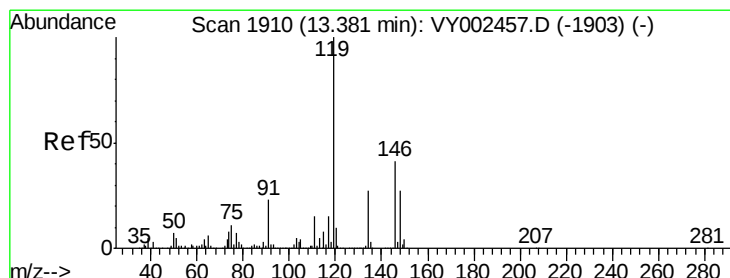
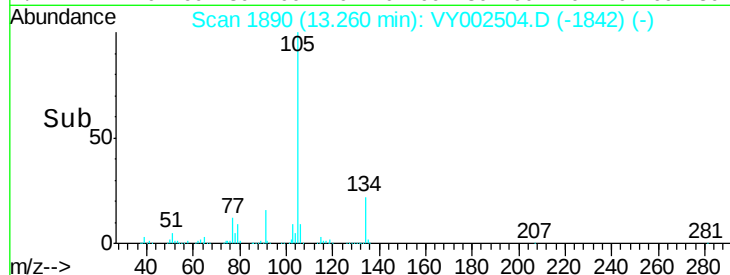
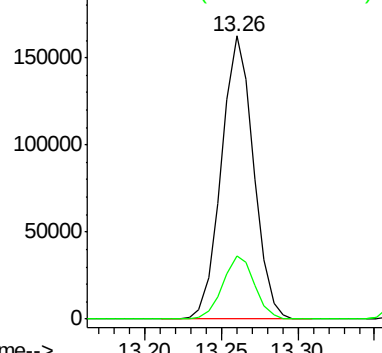
105 100

134 22.1 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.520 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

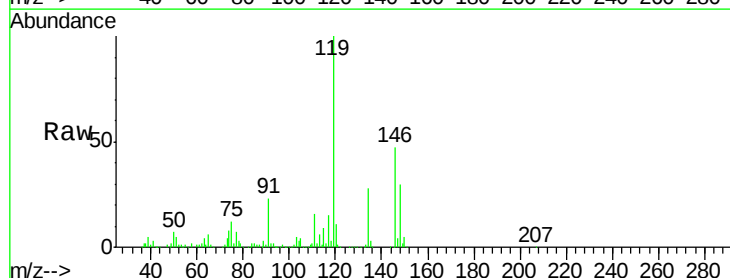
Tgt Ion:119 Resp: 230314

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

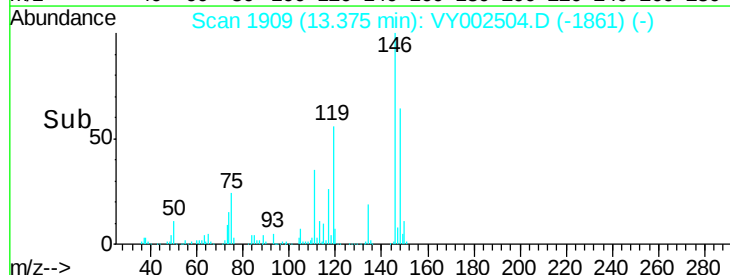
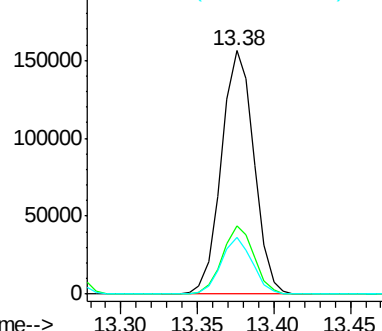
91 22.4 11.5 34.4

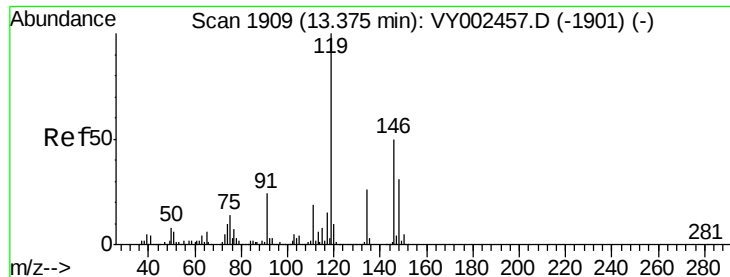


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 17.347 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002504.D

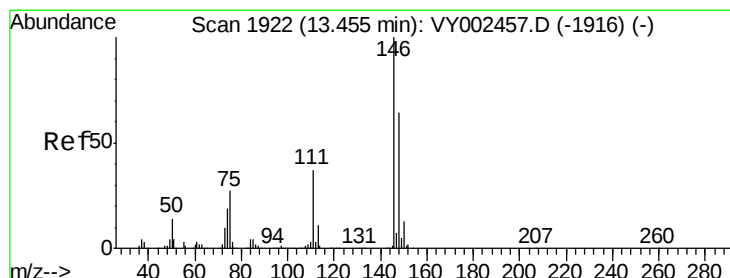
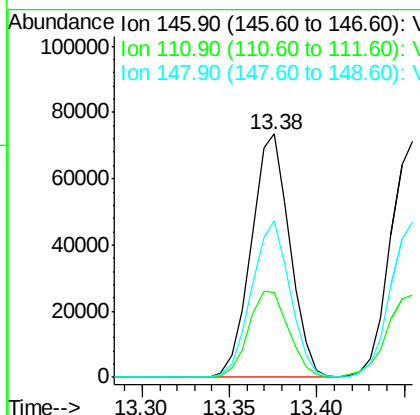
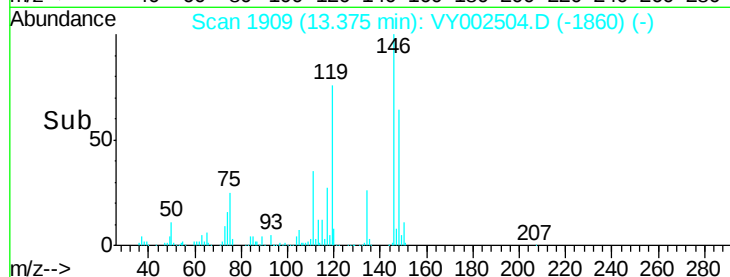
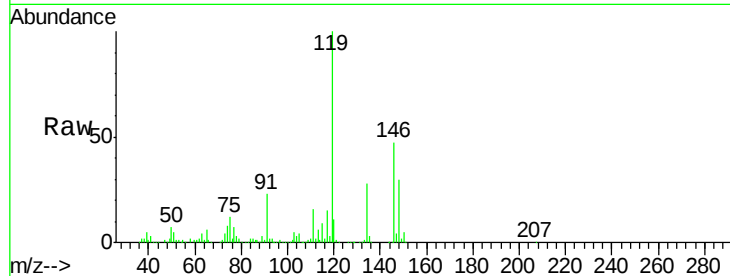
Acq: 29 Apr 2020 12:54

Instrument :
MSVOA_Y

ClientSampleId :
VY0429SBS01

Tot Ion:146 Resp: 112391

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.3
148	64.2	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 17.004 ug/l

RT: 13.45 min Scan# 1922

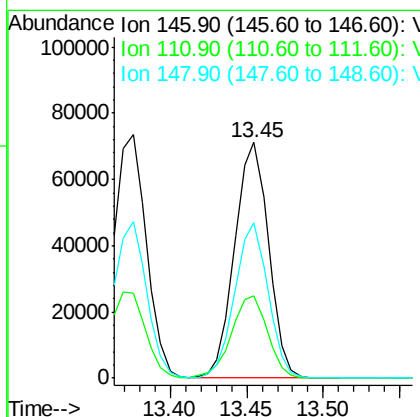
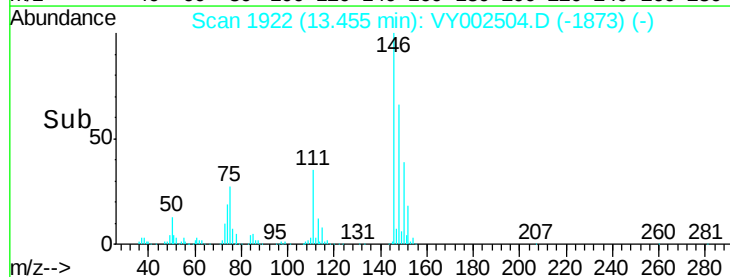
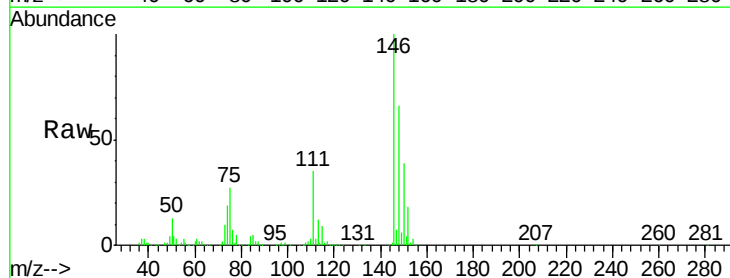
Delta R.T. 0.00 min

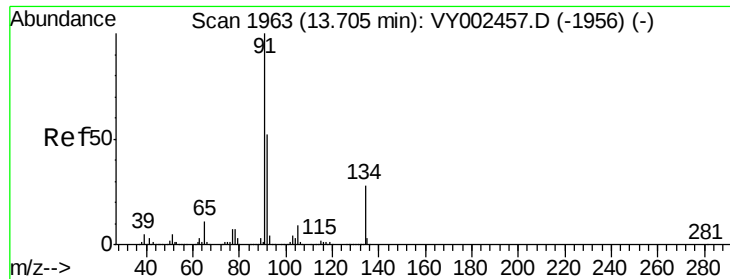
Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Tgt Ion:146 Resp: 109552

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.1
148	64.8	32.1	96.5

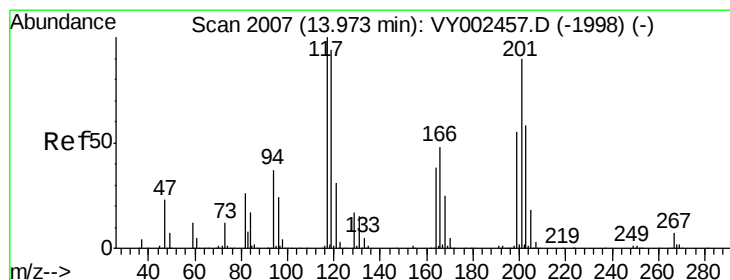
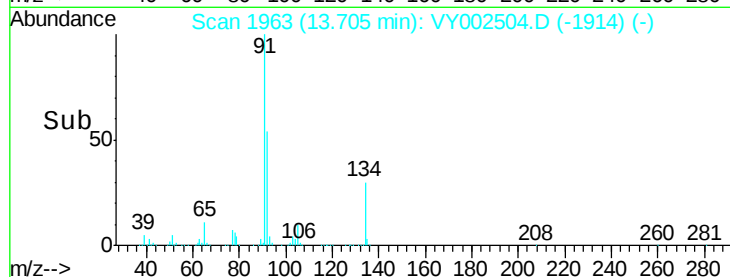
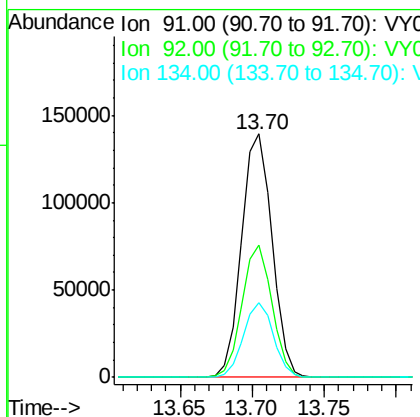
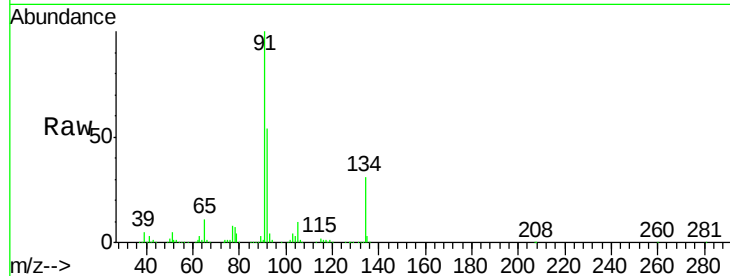




#89
n-Butylbenzene
Concen: 16.861 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

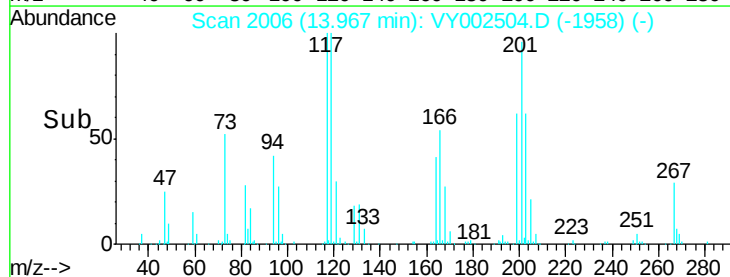
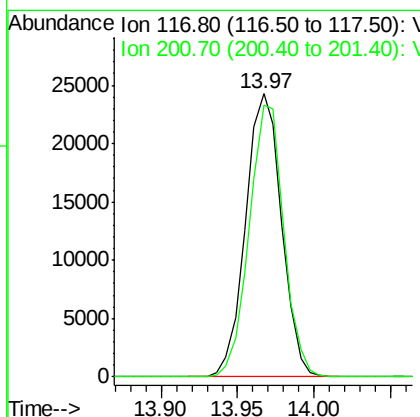
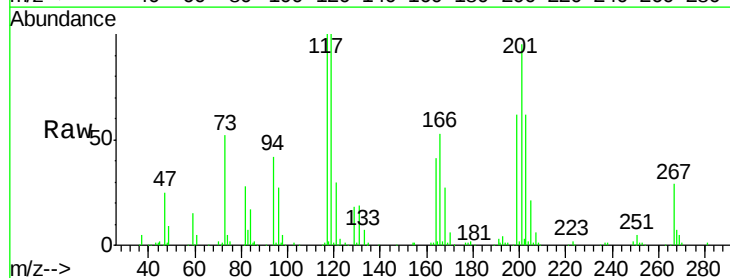
Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

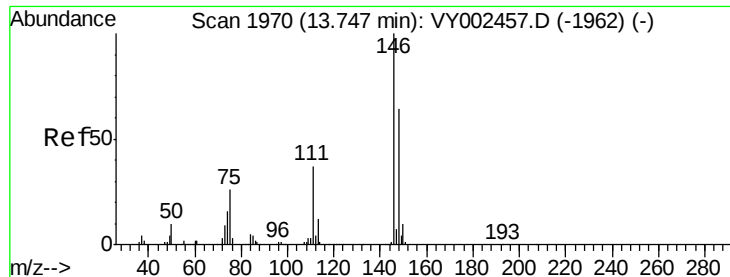
Tot Ion: 91 Resp: 204469
Ion Ratio Lower Upper
91 100
92 53.1 26.5 79.4
134 30.1 14.3 42.9



#90
Hexachloroethane
Concen: 16.646 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY002504.D
Acq: 29 Apr 2020 12:54

Tgt Ion: 117 Resp: 39550
Ion Ratio Lower Upper
117 100
201 92.6 44.4 133.1

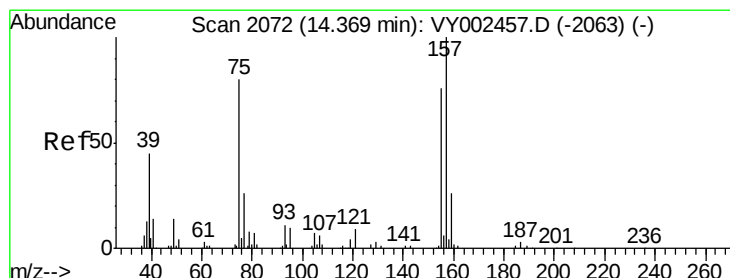
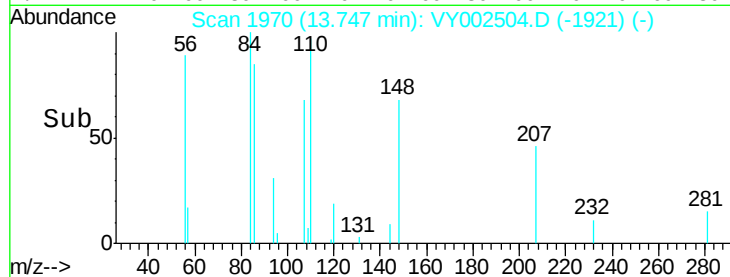
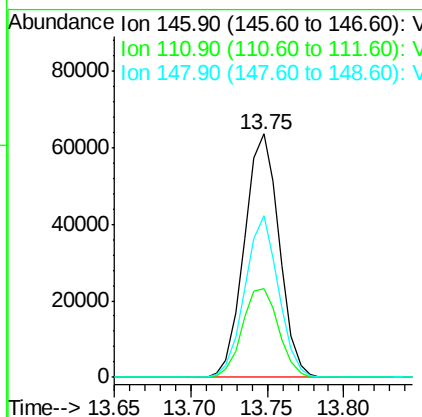
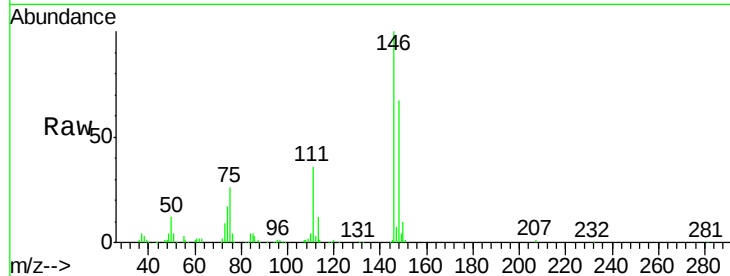




#91
 1,2-Dichlorobenzene
 Concen: 18.016 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

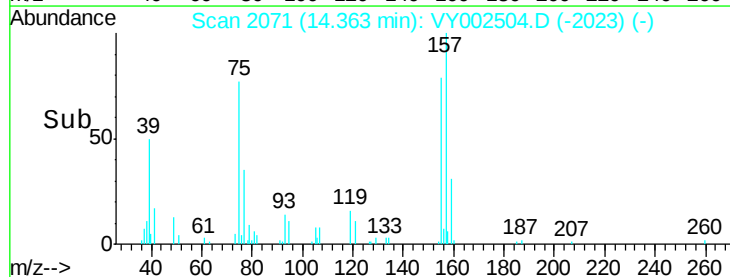
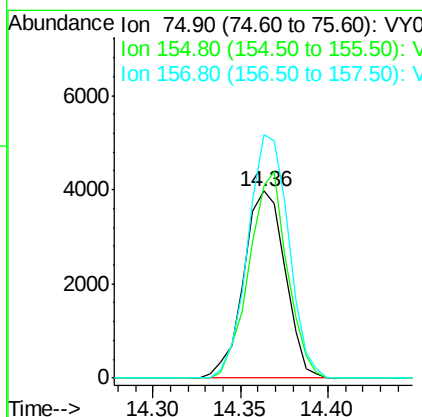
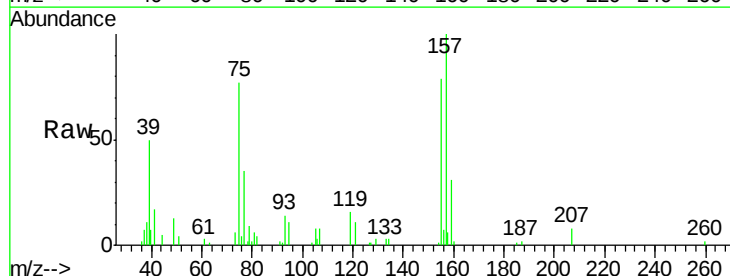
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

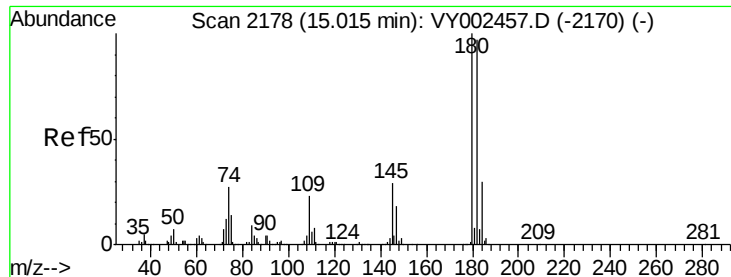
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	64.0	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.370 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	49.6	149.0
157	127.6	62.6	187.9

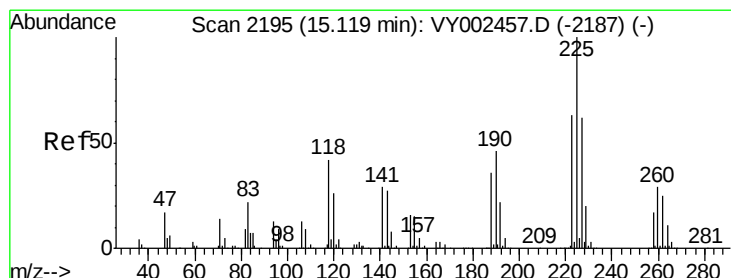
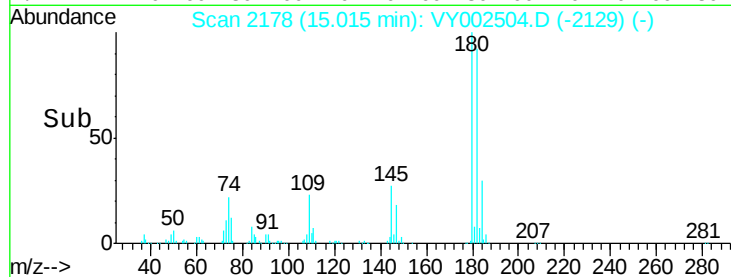
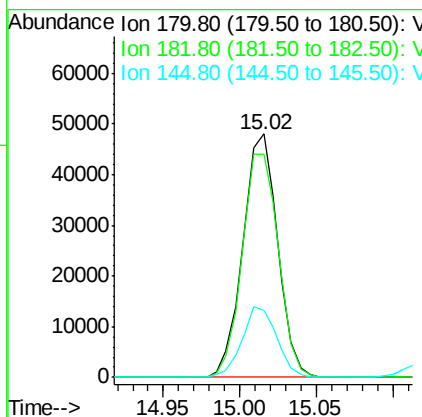
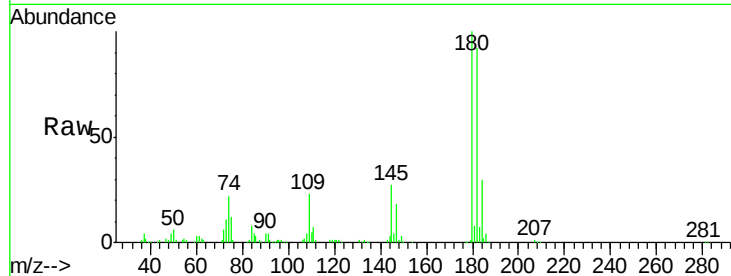




#93
 1,2,4-Trichlorobenzene
 Concen: 17.239 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

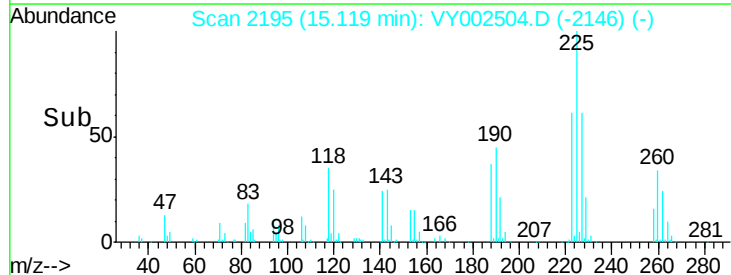
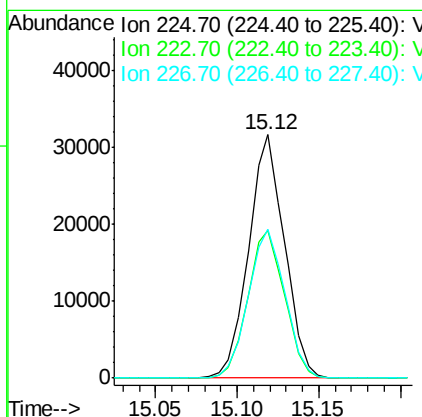
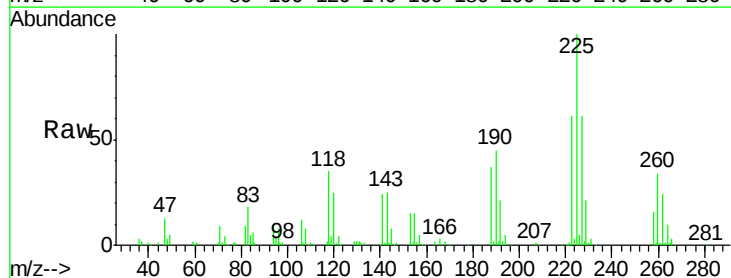
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

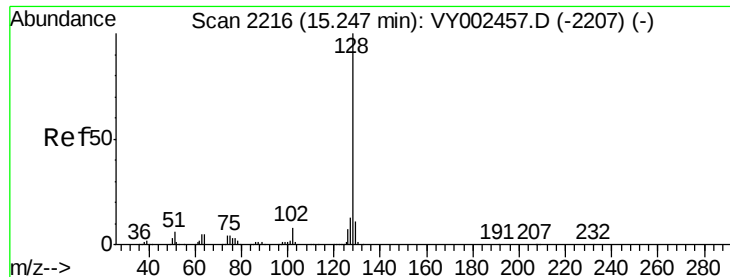
Tot Ion:180 Resp: 75917
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.9 143.7
 145 29.0 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 18.158 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY002504.D
 Acq: 29 Apr 2020 12:54

Tgt Ion:225 Resp: 48259
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.1 93.3
 227 62.7 31.5 94.5





#95

Naphthalene

Concen: 16.392 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0429SBS01

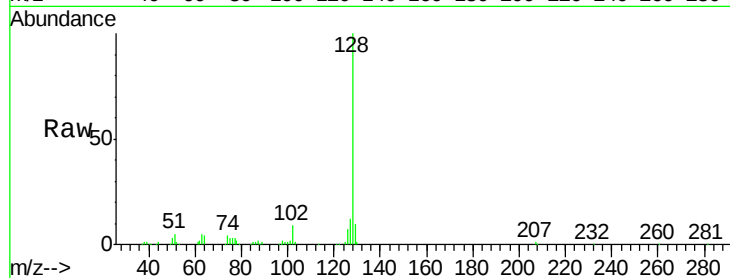
Tot Ion:128 Resp: 133877

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

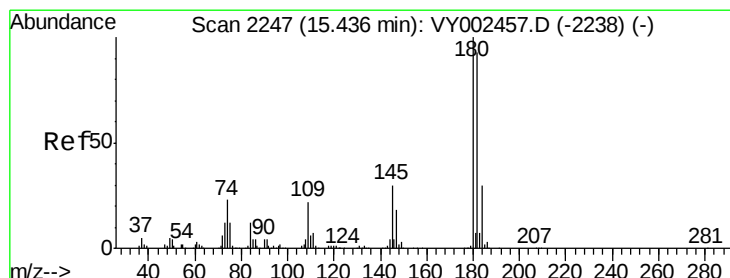
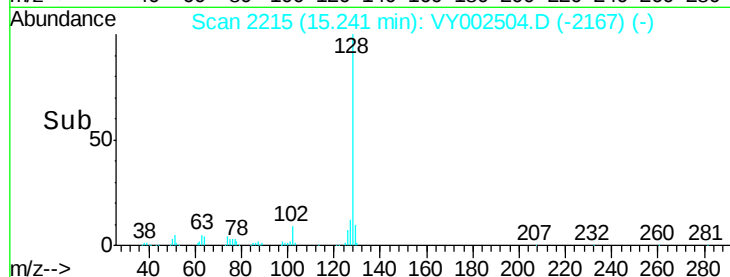
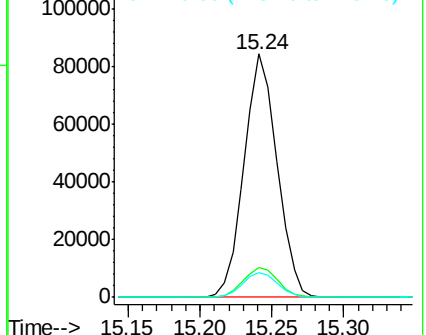
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.326 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY002504.D

Acq: 29 Apr 2020 12:54

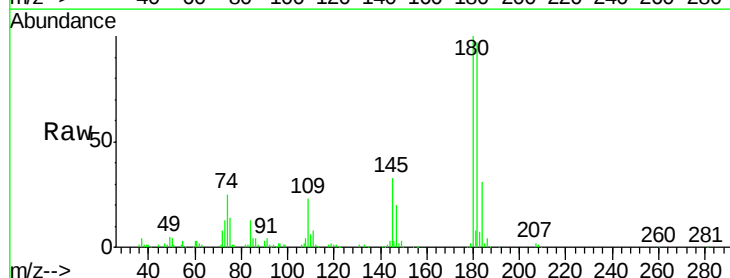
Tgt Ion:180 Resp: 64716

Ion Ratio Lower Upper

180 100

182 94.1 47.5 142.6

145 30.7 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

