

Data File : VY001974.D
Acq On : 16 Mar 2020 11:54
Operator : SY/MD
Sample : VY0316SBS01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Quant Time: Mar 17 08:03:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	176357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	315537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	282933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	133244	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	94023	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.75	113	89586	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.20	98	370141	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.49	95	132083	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.92	85	30419	18.686	ug/l	94
3) Chloromethane	2.13	50	42699	19.455	ug/l	99
4) Vinyl Chloride	2.27	62	43028	19.274	ug/l	100
5) Bromomethane	2.66	94	28170	17.840	ug/l	98
6) Chloroethane	2.82	64	27096	19.321	ug/l	95
7) Trichlorofluoromethane	3.15	101	60468	19.972	ug/l	98
8) Diethyl Ether	3.56	74	24424	20.468	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	39887	20.483	ug/l	100
10) Methyl Iodide	4.13	142	44114	19.589	ug/l	99
11) Tert butyl alcohol	5.00	59	29157	138.770	ug/l #	95
12) 1,1-Dichloroethene	3.91	96	38755	19.765	ug/l	99
13) Acrolein	3.77	56	21192	80.100	ug/l	98
14) Allyl chloride	4.52	41	70149	20.181	ug/l	100
15) Acrylonitrile	5.21	53	64802	101.626	ug/l	99
16) Acetone	3.99	43	53982	98.442	ug/l	97
17) Carbon Disulfide	4.23	76	122887	18.644	ug/l	99
18) Methyl Acetate	4.52	43	29136	20.679	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	111177	20.923	ug/l	99
20) Methylene Chloride	4.76	84	49257	20.959	ug/l	98
21) trans-1,2-Dichloroethene	5.27	96	45157	20.290	ug/l	99
22) Diisopropyl ether	6.16	45	146983	20.628	ug/l	96
23) Vinyl Acetate	6.10	43	470497	100.724	ug/l	99
24) 1,1-Dichloroethane	6.06	63	77664	20.128	ug/l	97
25) 2-Butanone	7.03	43	84020	100.754	ug/l	98
26) 2,2-Dichloropropane	7.02	77	66197	20.902	ug/l	100
27) cis-1,2-Dichloroethene	7.03	96	49456	20.429	ug/l	97
28) Bromochloromethane	7.37	49	35528	20.427	ug/l	99
29) Tetrahydrofuran	7.39	42	55341	99.935	ug/l	99
30) Chloroform	7.54	83	74024	20.419	ug/l	100
31) Cyclohexane	7.81	56	80019	19.341	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	62981	20.612	ug/l	99
36) 1,1-Dichloropropene	7.95	75	61243	20.169	ug/l	99
37) Ethyl Acetate	7.11	43	37248	21.106	ug/l	99
38) Carbon Tetrachloride	7.93	117	52400	20.201	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	82016	20.365	ug/l	97
40) Benzene	8.19	78	181907	20.212	ug/l	100
41) Methacrylonitrile	7.38	41	49622	62.479	ug/l #	1
42) 1,2-Dichloroethane	8.27	62	48777	21.032	ug/l	100
43) Isopropyl Acetate	8.30	43	68561	20.520	ug/l	99
44) Trichloroethene	8.97	130	44366	20.241	ug/l	99
45) 1,2-Dichloropropane	9.24	63	47297	20.905	ug/l	97
46) Dibromomethane	9.33	93	23516	20.170	ug/l	99
47) Bromodichloromethane	9.52	83	56061	20.671	ug/l	95
48) Methyl methacrylate	9.31	41	29596	19.962	ug/l	95
49) 1,4-Dioxane	9.32	88	5814	363.932	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	186942	108.626	ug/l	99
52) Toluene	10.27	92	114464	20.936	ug/l	97
53) t-1,3-Dichloropropene	10.49	75	62166	21.039	ug/l	95
54) cis-1,3-Dichloropropene	9.95	75	72608	20.642	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	36129	21.174	ug/l	96
56) Ethyl methacrylate	10.53	69	51746	20.690	ug/l	99
57) 1,3-Dichloropropane	10.81	76	62184	20.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	136708	142.550	ug/l	100
59) 2-Hexanone	10.85	43	125114	101.856	ug/l	99
60) Dibromochloromethane	11.00	129	37114	20.643	ug/l	99
61) 1,2-Dibromoethane	11.11	107	33391	20.660	ug/l	100
64) Tetrachloroethene	10.74	164	37454	21.109	ug/l	96
65) Chlorobenzene	11.53	112	115713	20.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	39055	21.125	ug/l	99
67) Ethyl Benzene	11.61	91	218200	20.753	ug/l	98
68) m/p-Xylenes	11.72	106	160333	41.247	ug/l	100
69) o-Xylene	12.04	106	75150	20.512	ug/l	99
70) Styrene	12.06	104	131940	21.026	ug/l	100
71) Bromoform	12.22	173	21096	21.041	ug/l #	99
73) Isopropylbenzene	12.34	105	205116	20.166	ug/l	100
74) N-amyl acetate	12.16	43	61097	19.544	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	44898	20.469	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	57869	36.602	ug/l #	100
77) Bromobenzene	12.62	156	43786	20.318	ug/l	97
78) n-propylbenzene	12.68	91	255132	20.331	ug/l	100
79) 2-Chlorotoluene	12.77	91	142380	20.537	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	170888	20.408	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	15935	20.359	ug/l	98
82) 4-Chlorotoluene	12.87	91	147959	20.497	ug/l	100
83) tert-Butylbenzene	13.09	119	145476	20.917	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	169898	20.445	ug/l	100
85) sec-Butylbenzene	13.27	105	213216	20.799	ug/l	99
86) p-Isopropyltoluene	13.38	119	185378	20.963	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	85471	20.240	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	85797	20.027	ug/l	98
89) n-Butylbenzene	13.70	91	190765	20.792	ug/l	98
90) Hexachloroethane	13.97	117	33788	20.253	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	79160	20.633	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6529	19.075	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031620\
Quantitation Report (Not Reviewed)

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

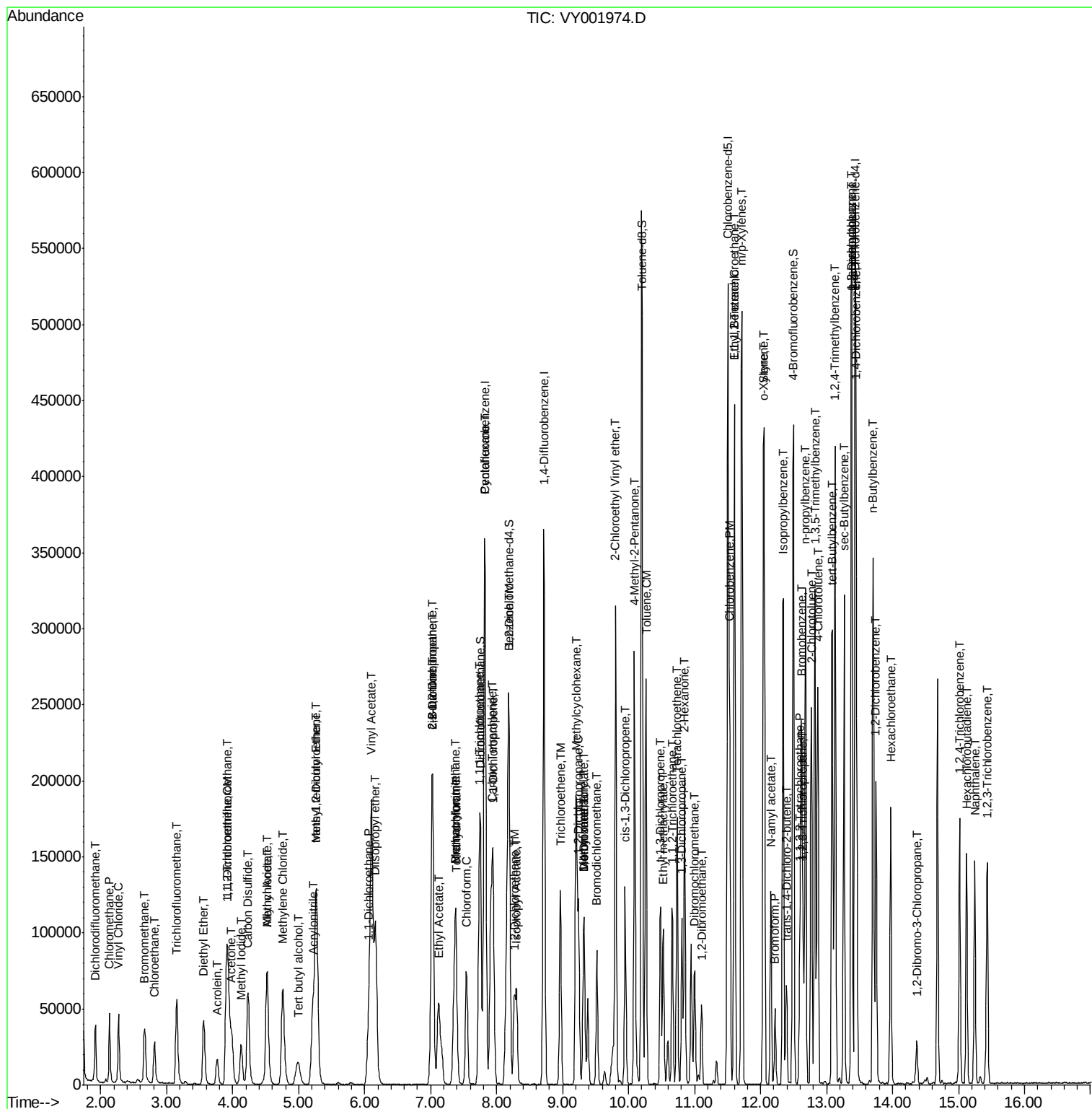
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	51771	20.808	ug/l	100
94) Hexachlorobutadiene	15.12	225	25269	20.832	ug/l	98
95) Naphthalene	15.25	128	118430	20.068	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	45505	20.762	ug/l	100

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

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Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

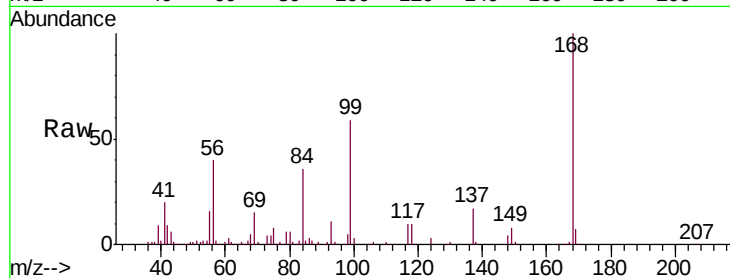
VY0316SBS01

Tgt Ion:168 Resp: 176357

Ion Ratio Lower Upper

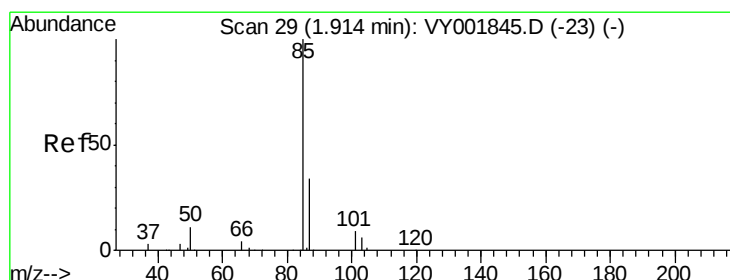
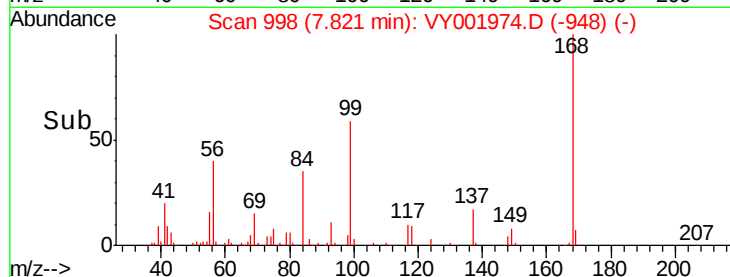
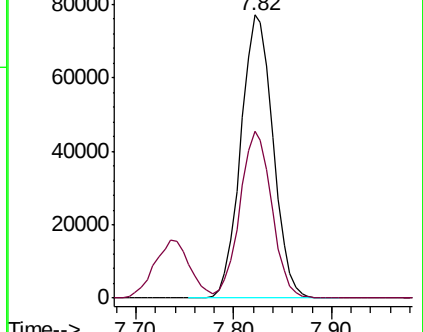
168 100

99 59.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#2

Dichlorodifluoromethane

Concen: 18.686 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001974.D

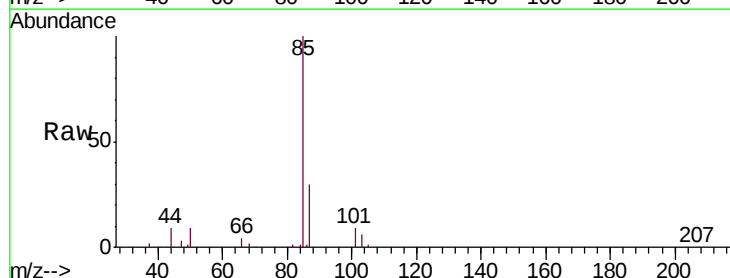
Acq: 16 Mar 2020 11:54

Tgt Ion: 85 Resp: 30419

Ion Ratio Lower Upper

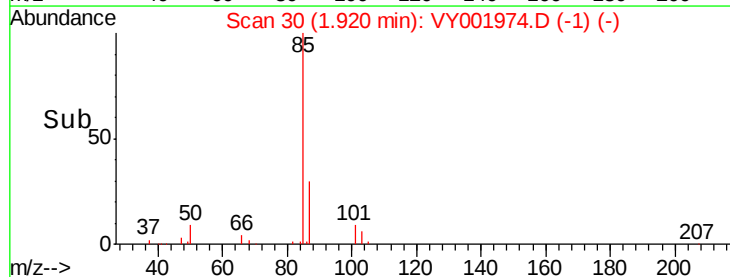
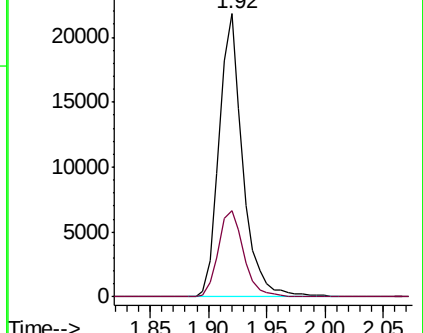
85 100

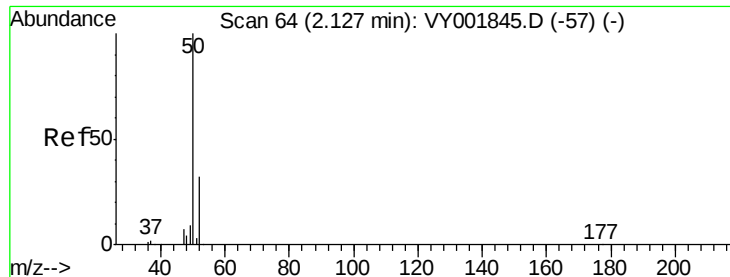
87 30.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)





#3

Chloromethane

Concen: 19.455 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

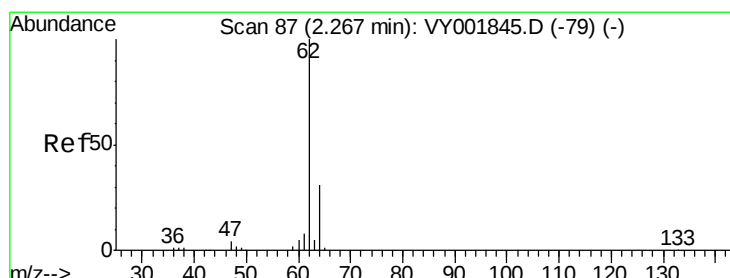
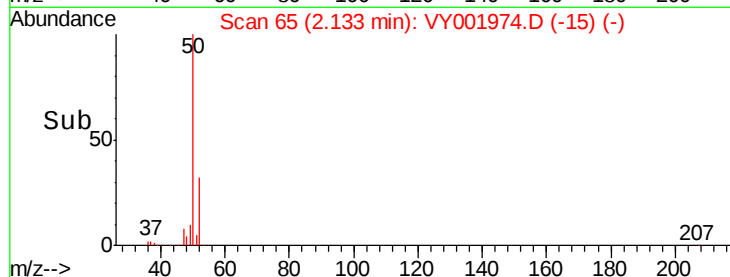
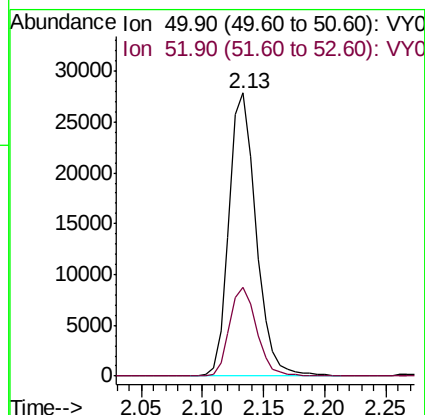
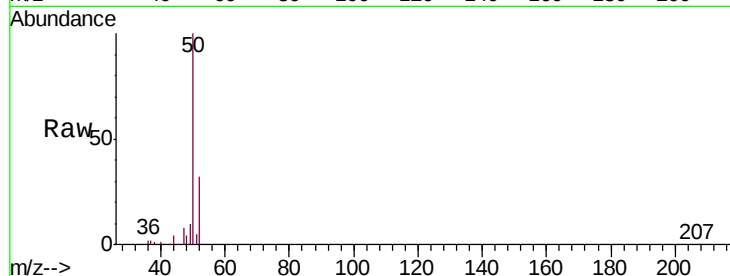
VY0316SBS01

Tgt Ion: 50 Resp: 42699

Ion Ratio Lower Upper

50 100

52 31.6 25.8 38.6



#4

Vinyl Chloride

Concen: 19.274 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY001974.D

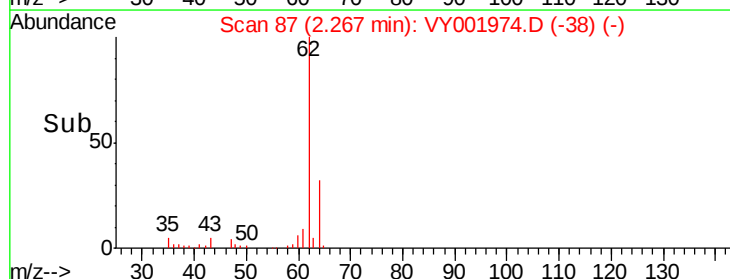
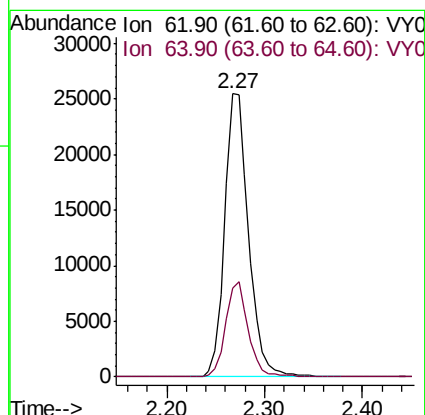
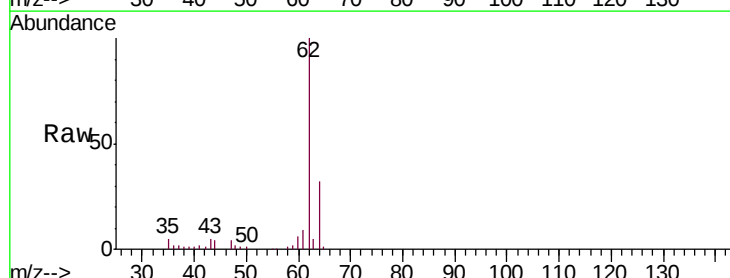
Acq: 16 Mar 2020 11:54

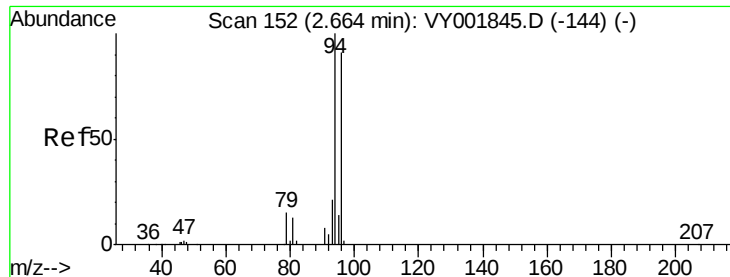
Tgt Ion: 62 Resp: 43028

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 17.840 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

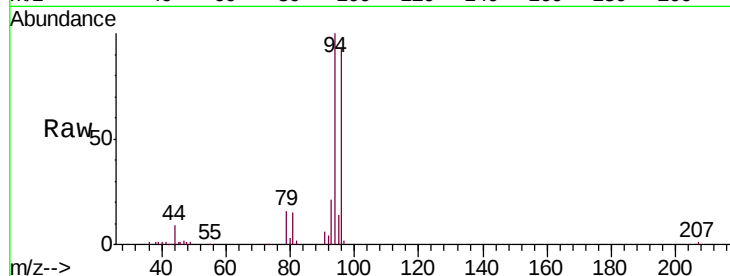
VY0316SBS01

Tgt Ion: 94 Resp: 28170

Ion Ratio Lower Upper

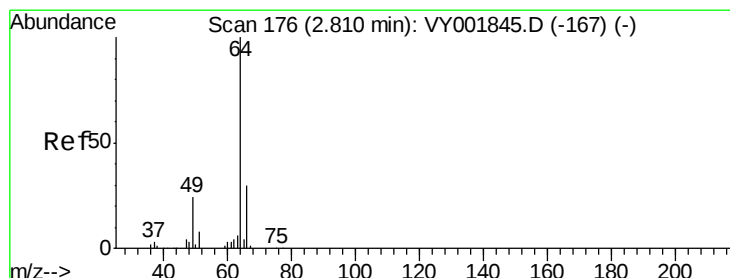
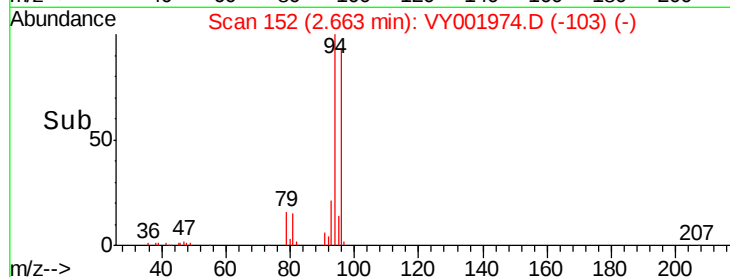
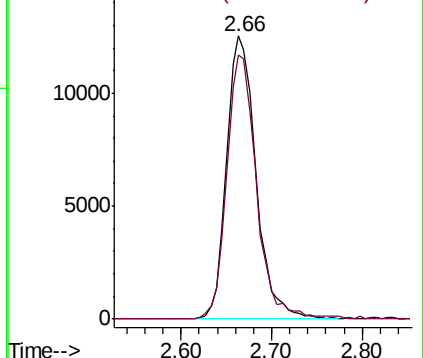
94 100

96 93.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.321 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001974.D

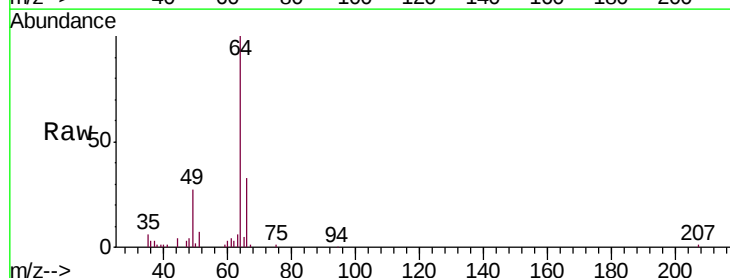
Acq: 16 Mar 2020 11:54

Tgt Ion: 64 Resp: 27096

Ion Ratio Lower Upper

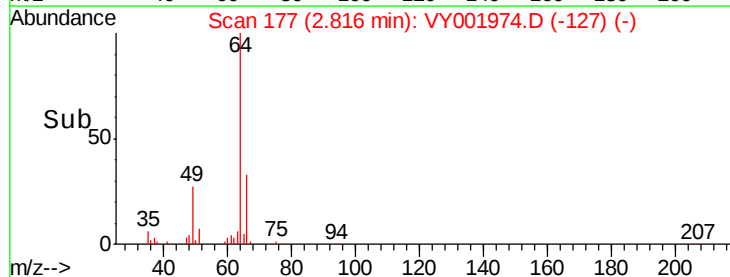
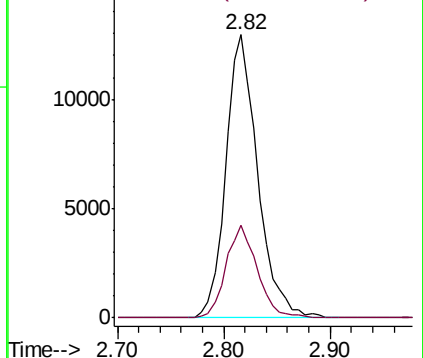
64 100

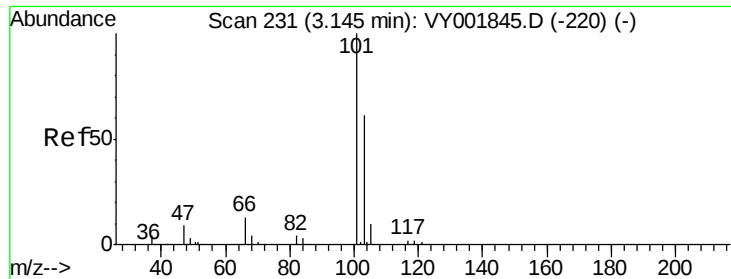
66 32.5 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



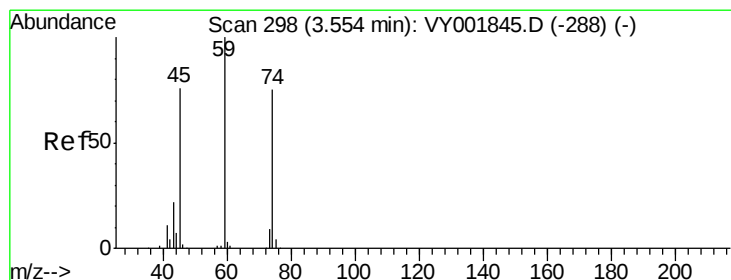
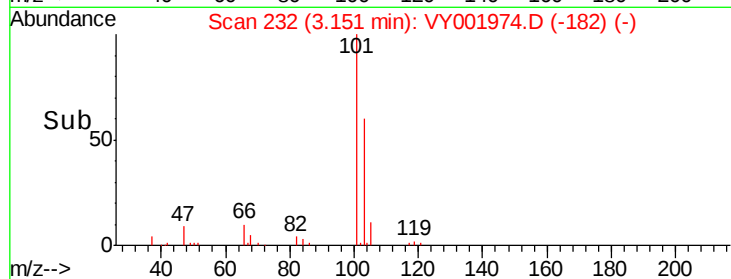
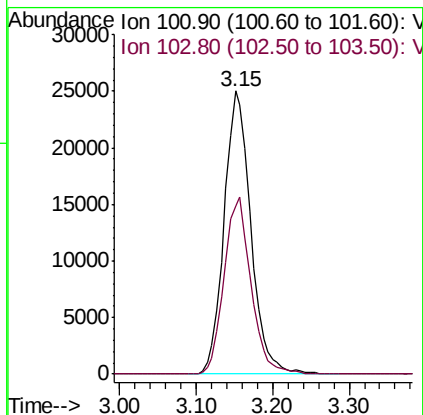
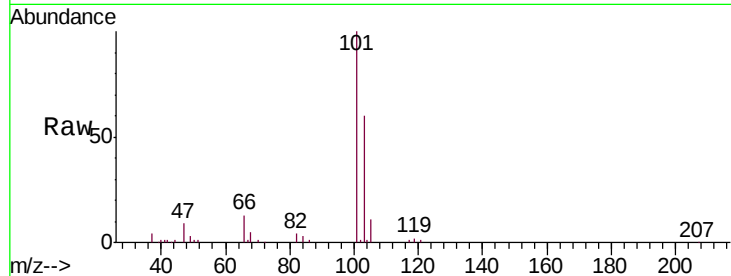


#7

Trichlorofluoromethane
 Concen: 19.972 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Instrument :
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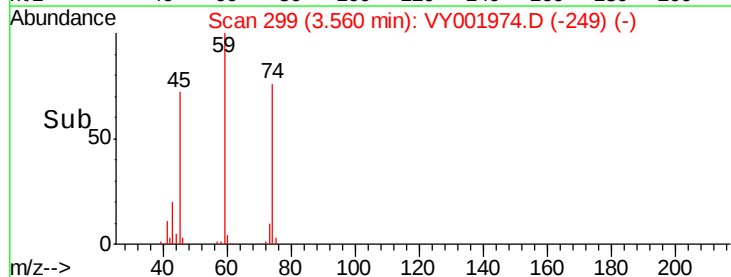
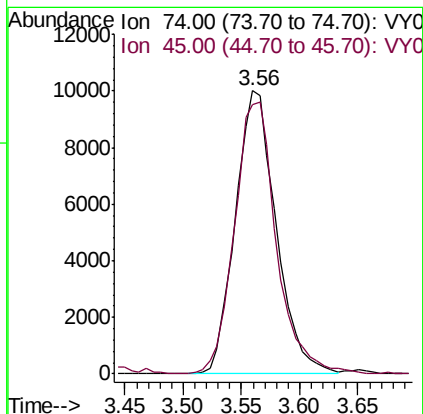
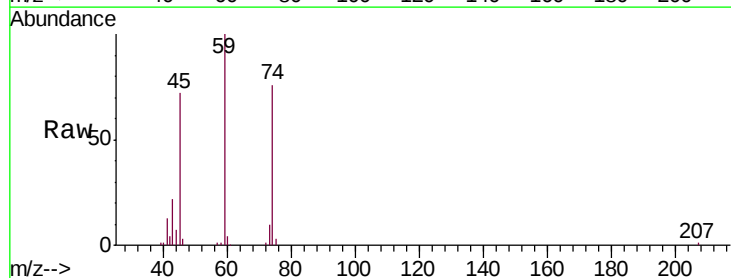
Tgt Ion:101 Resp: 60468
 Ion Ratio Lower Upper
 101 100
 103 59.5 49.1 73.7

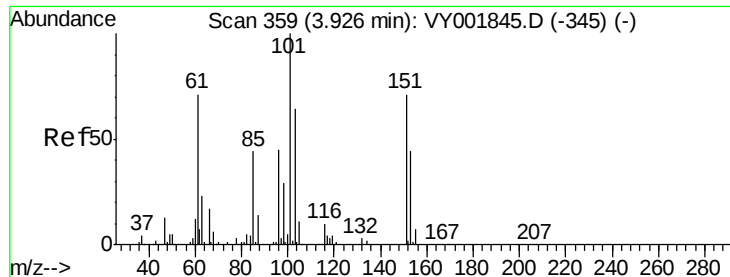


#8

Diethyl Ether
 Concen: 20.468 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion: 74 Resp: 24424
 Ion Ratio Lower Upper
 74 100
 45 98.7 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.483 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBSD01

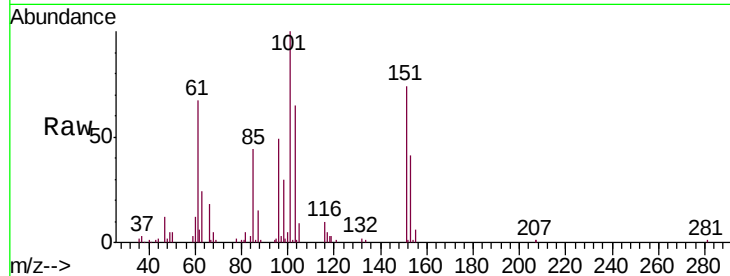
Tgt Ion:101 Resp: 39887

Ion Ratio Lower Upper

101 100

85 44.2 35.3 52.9

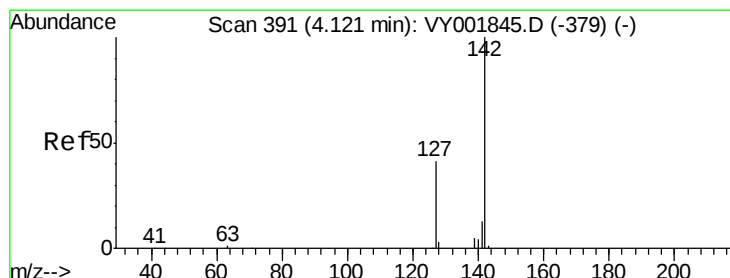
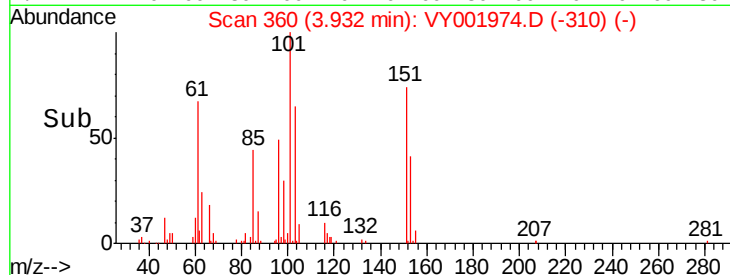
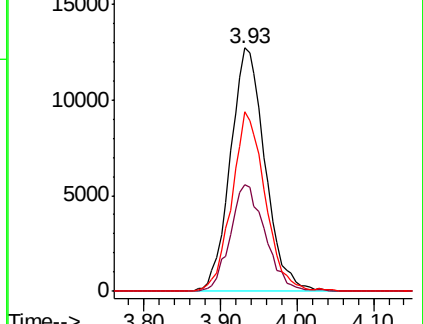
151 71.1 57.0 85.4



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: 19.589 ug/l

RT: 4.13 min Scan# 392

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

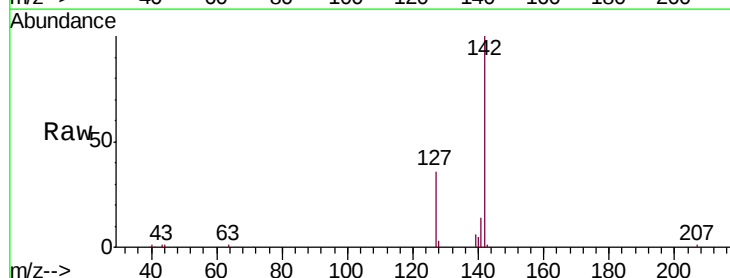
Tgt Ion:142 Resp: 44114

Ion Ratio Lower Upper

142 100

127 40.2 32.7 49.1

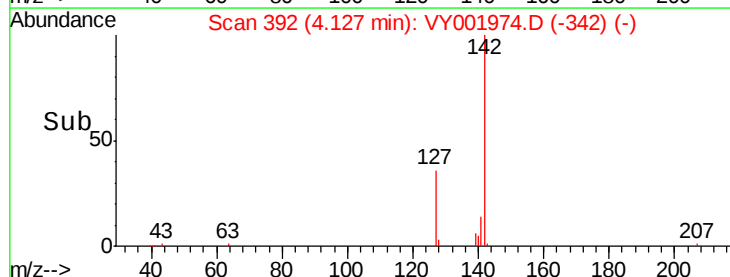
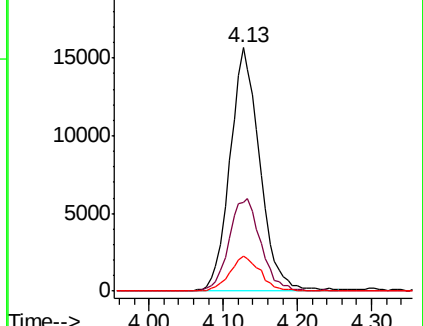
141 14.5 11.0 16.6

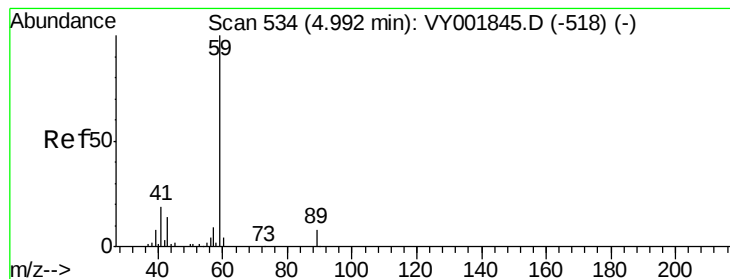


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



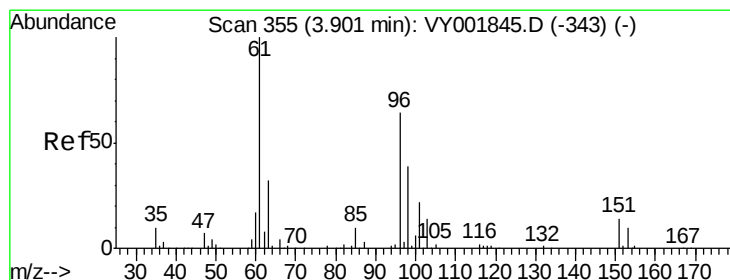
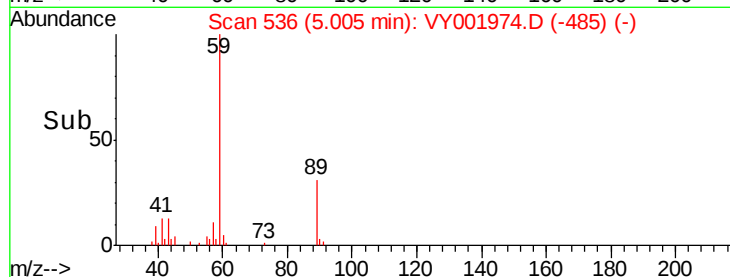
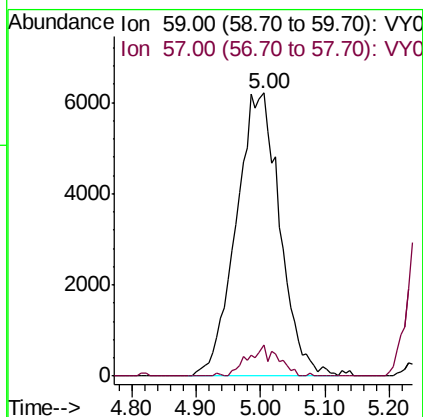
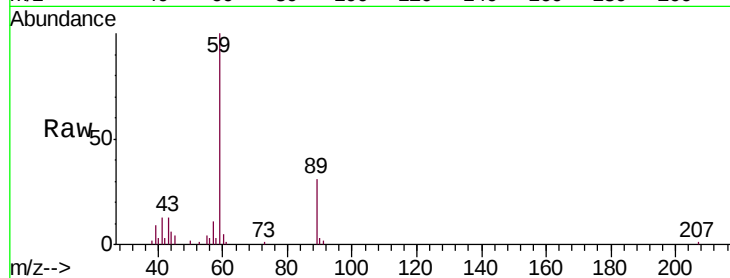


#11

Tert butyl alcohol
 Concen: 138.770 ug/l
 RT: 5.00 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

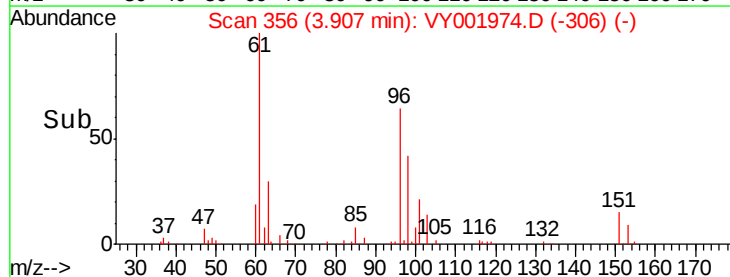
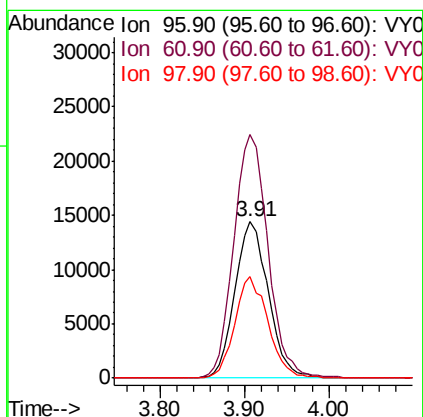
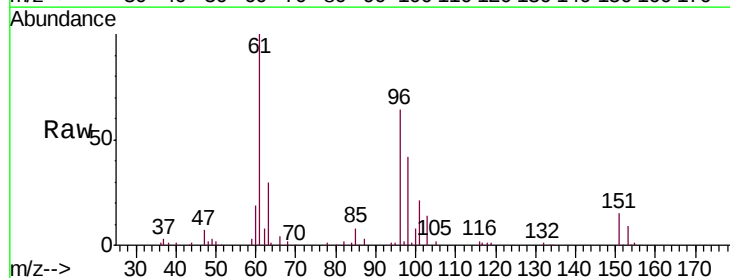
Tgt Ion: 59 Resp: 29157
 Ion Ratio Lower Upper
 59 100
 57 7.4 7.4 11.2#

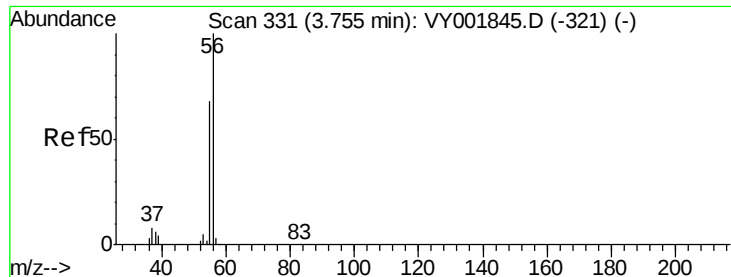


#12

1,1-Dichloroethene
 Concen: 19.765 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion: 96 Resp: 38755
 Ion Ratio Lower Upper
 96 100
 61 156.1 124.8 187.2
 98 64.9 49.2 73.8





#13

Acrolein

Concen: 80.100 ug/l

RT: 3.77 min Scan# 333

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

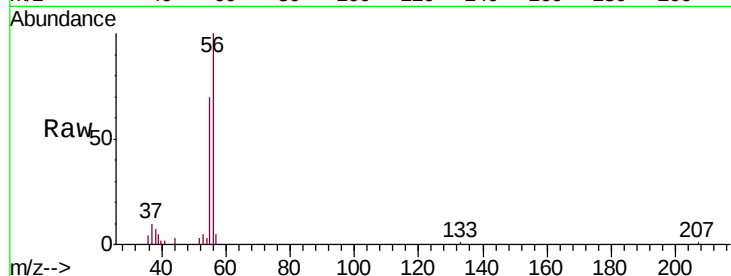
VY0316SBS01

Tgt Ion: 56 Resp: 21192

Ion Ratio Lower Upper

56 100

55 68.7 54.0 81.0



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.77

8000

6000

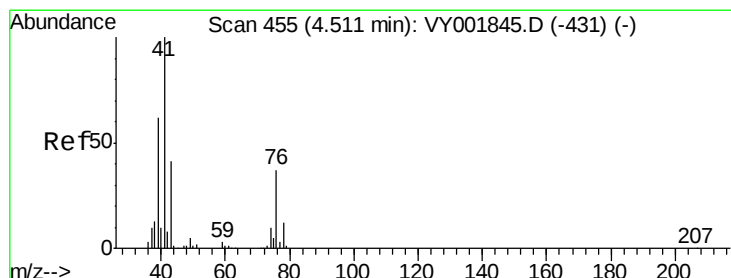
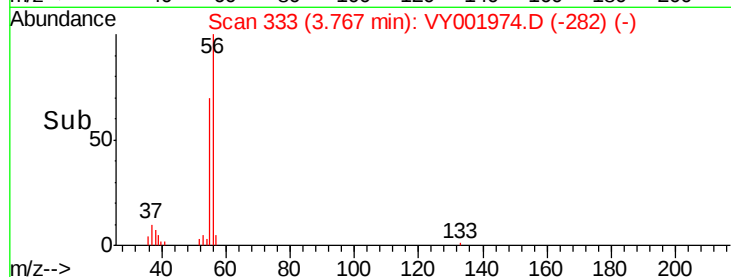
4000

2000

0

Time-->

3.70 3.80 3.90



#14

Allyl chloride

Concen: 20.181 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

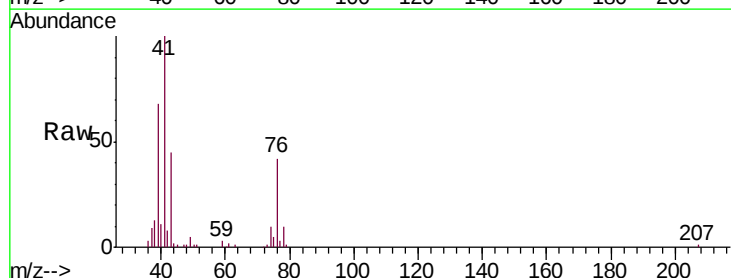
Tgt Ion: 41 Resp: 70149

Ion Ratio Lower Upper

41 100

39 61.0 49.0 73.6

76 36.4 28.9 43.3



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

50000

40000

30000

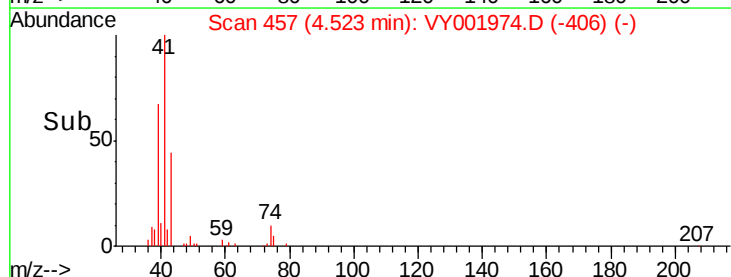
20000

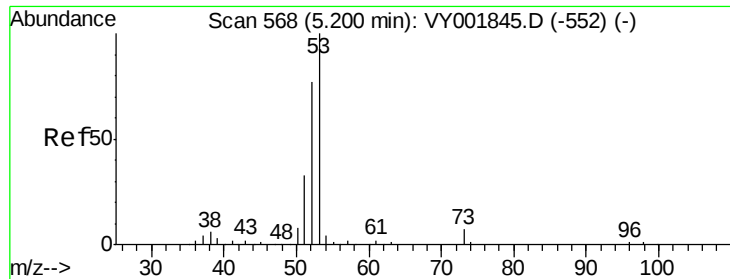
10000

0

Time-->

4.40 4.60





#15

Acrylonitrile

Concen: 101.626 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

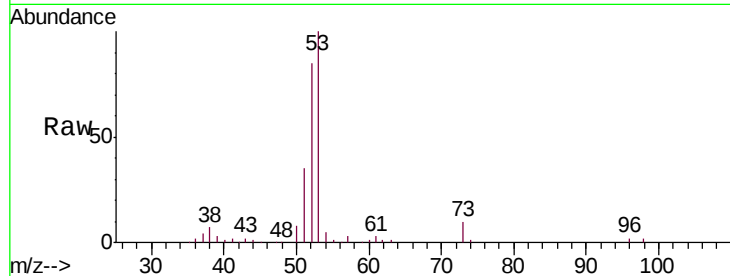
Tgt Ion: 53 Resp: 64802

Ion Ratio Lower Upper

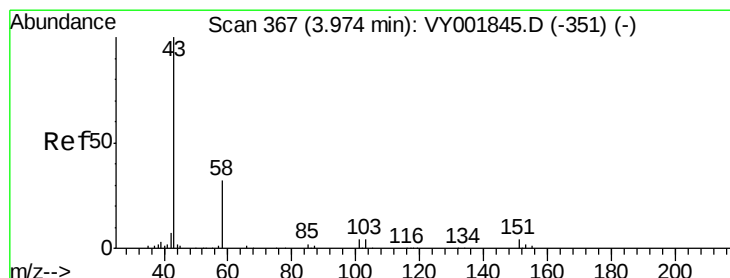
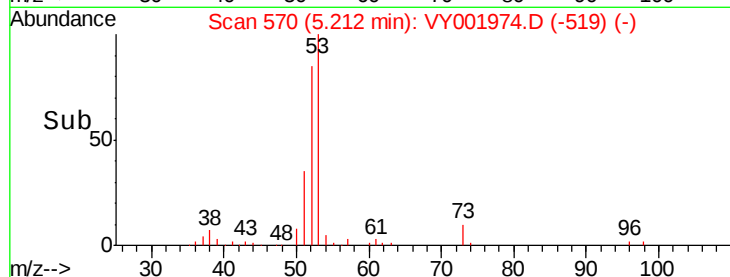
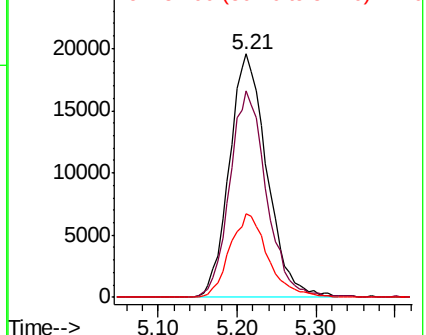
53 100

52 82.8 65.1 97.7

51 34.9 27.5 41.3



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



#16

Acetone

Concen: 98.442 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001974.D

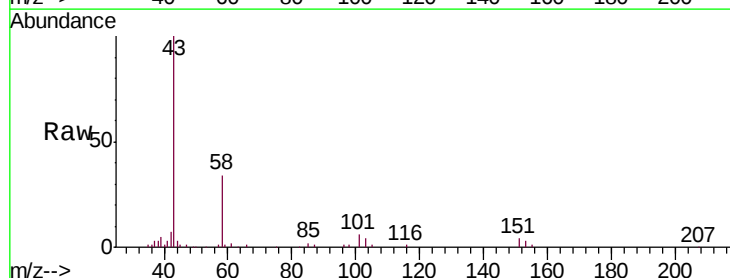
Acq: 16 Mar 2020 11:54

Tgt Ion: 43 Resp: 53982

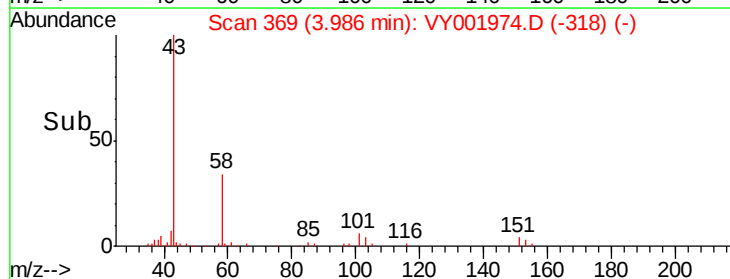
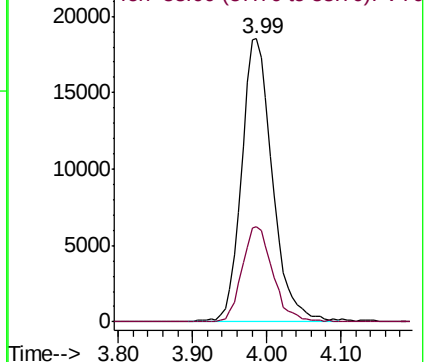
Ion Ratio Lower Upper

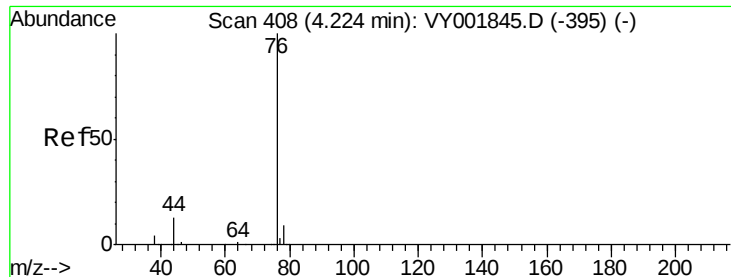
43 100

58 33.8 25.9 38.9



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

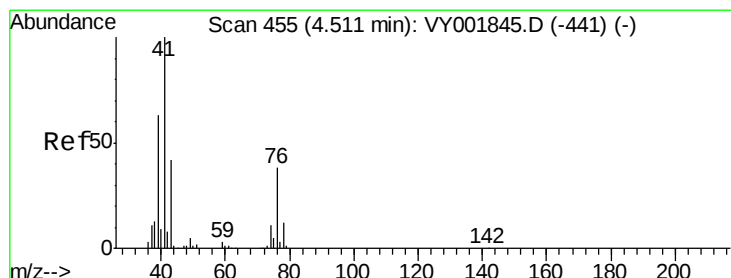
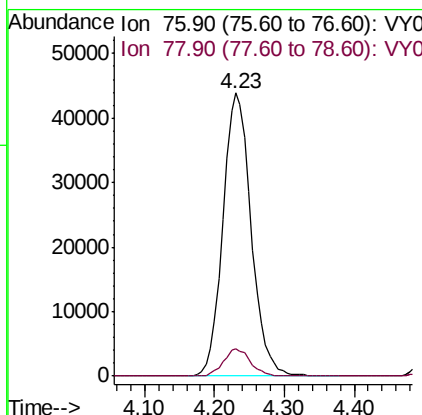
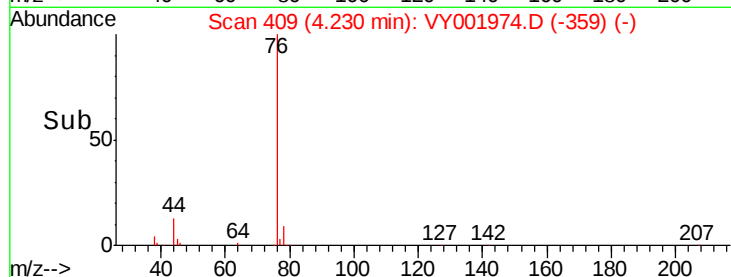
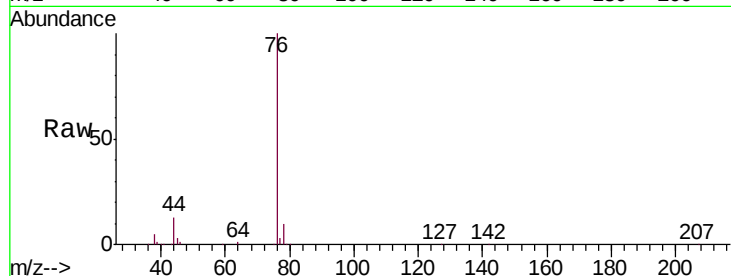




#17
Carbon Disulfide
Concen: 18.644 ug/l
RT: 4.23 min Scan# 409
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

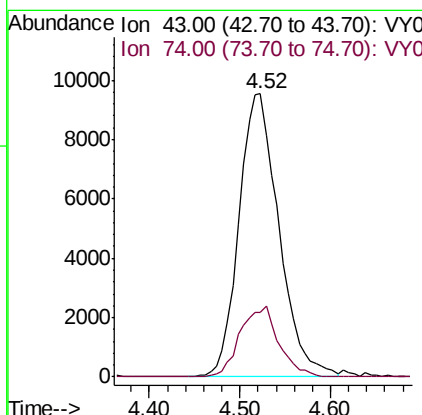
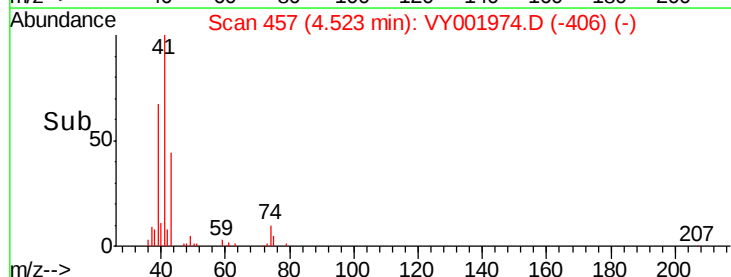
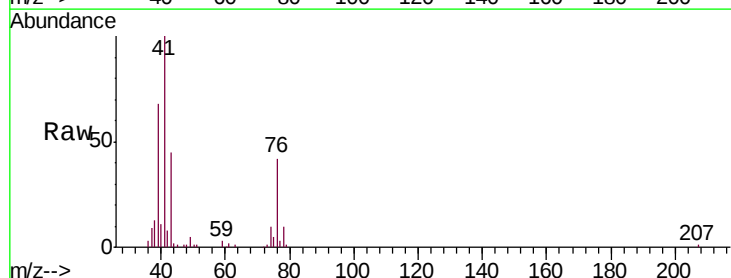
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

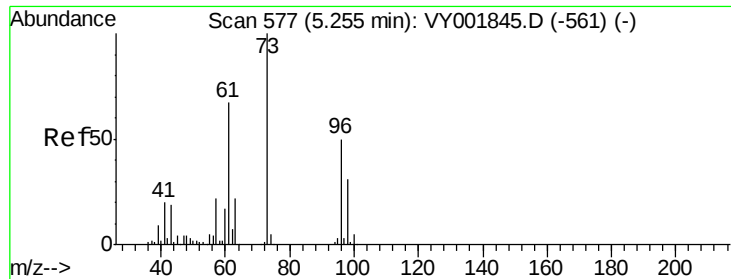
Tgt Ion: 76 Resp: 122887
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2



#18
Methyl Acetate
Concen: 20.679 ug/l
RT: 4.52 min Scan# 457
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 43 Resp: 29136
Ion Ratio Lower Upper
43 100
74 24.1 19.0 28.6



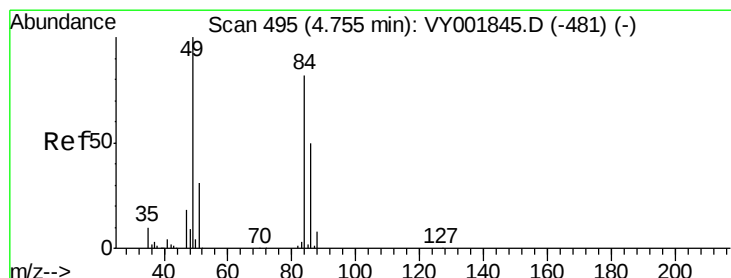
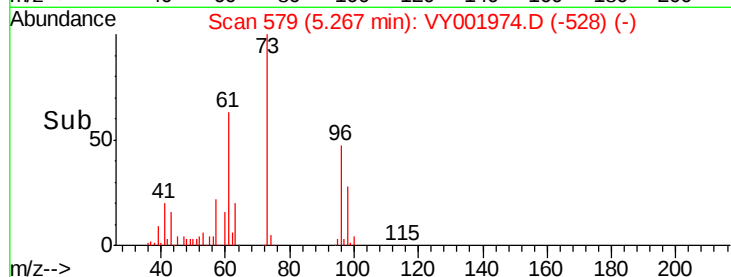
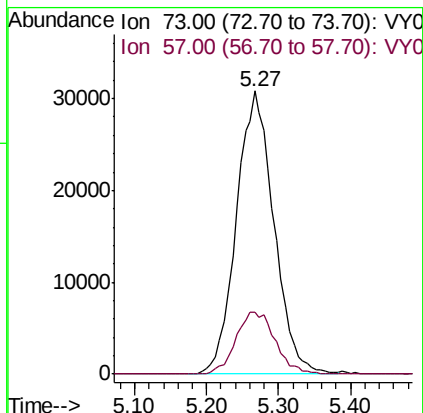
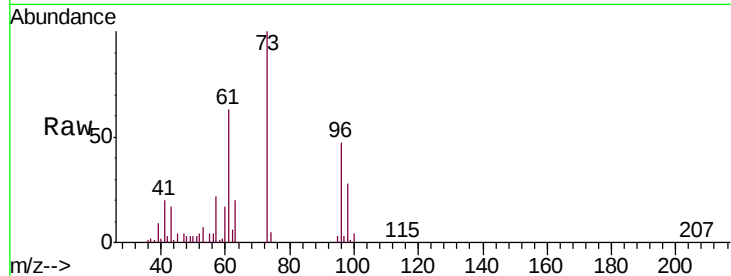


#19

Methyl tert-butyl Ether
 Concen: 20.923 ug/l
 RT: 5.27 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

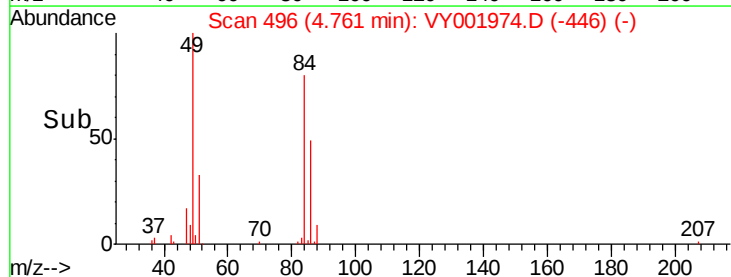
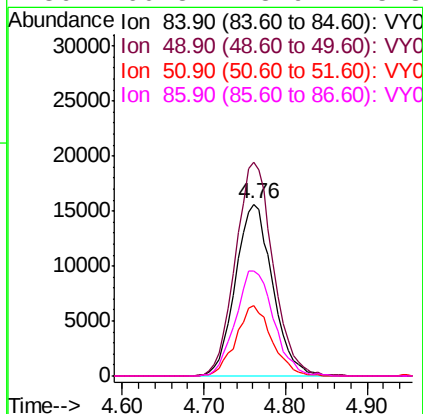
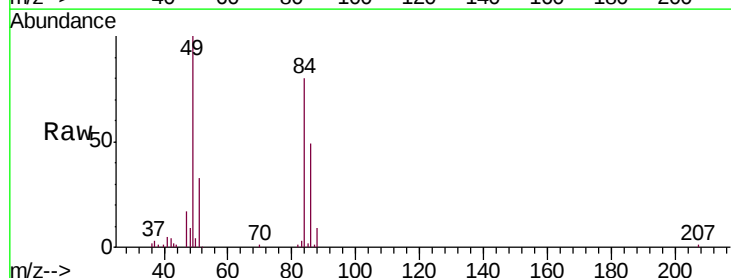
Tgt Ion: 73 Resp: 111177
 Ion Ratio Lower Upper
 73 100
 57 22.1 17.4 26.2

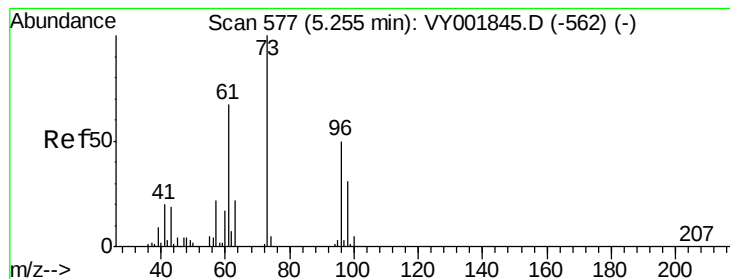


#20

Methylene Chloride
 Concen: 20.959 ug/l
 RT: 4.76 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion: 84 Resp: 49257
 Ion Ratio Lower Upper
 84 100
 49 124.4 98.2 147.2
 51 40.8 30.2 45.2
 86 60.8 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.290 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

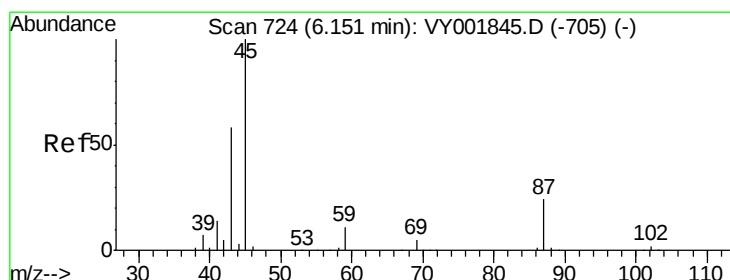
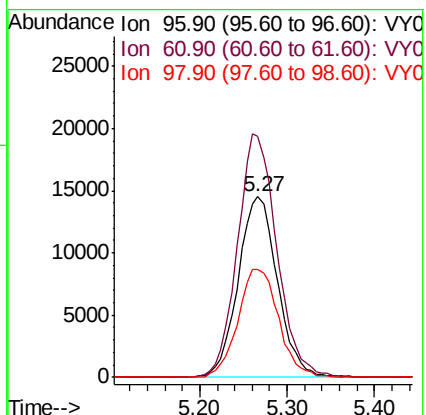
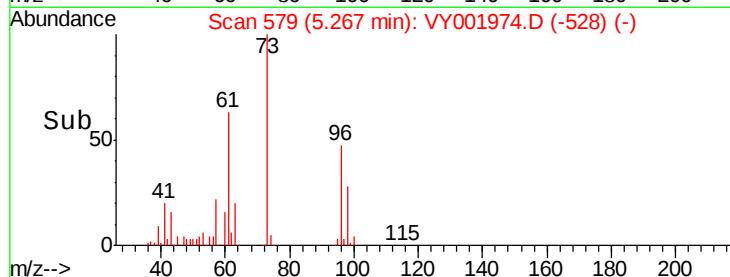
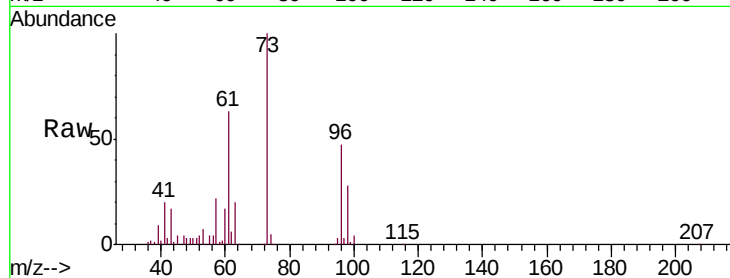
Tgt Ion: 96 Resp: 45157

Ion Ratio Lower Upper

96 100

61 133.7 107.7 161.5

98 59.7 49.3 73.9



#22

Diisopropyl ether

Concen: 20.628 ug/l

RT: 6.16 min Scan# 726

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Tgt Ion: 45 Resp: 146983

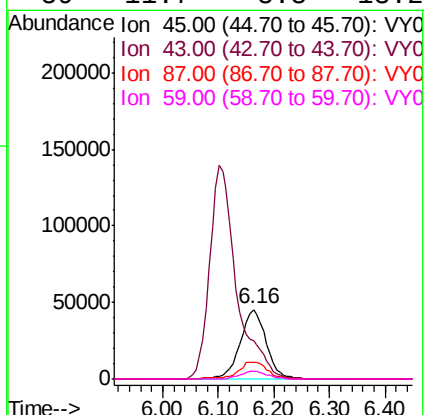
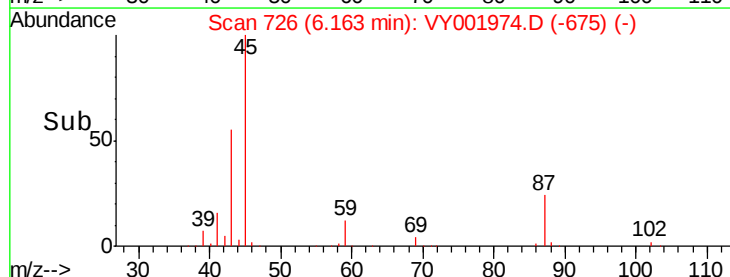
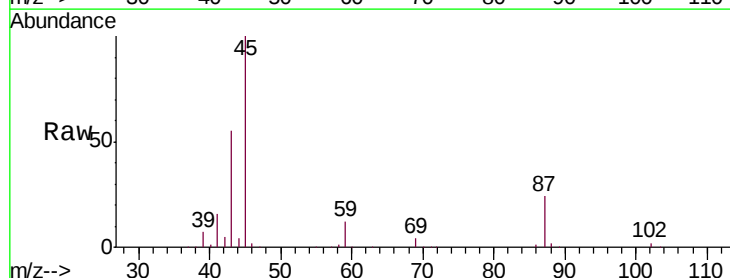
Ion Ratio Lower Upper

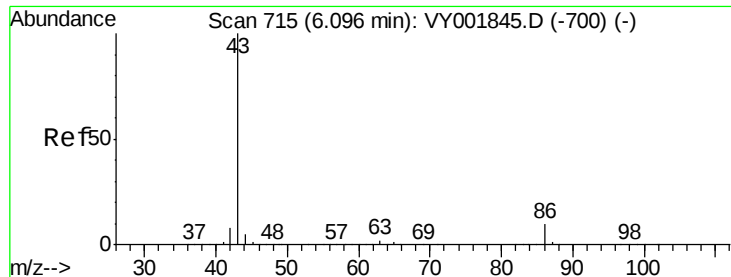
45 100

43 55.0 47.2 70.8

87 24.2 19.8 29.8

59 11.7 8.8 13.2





#23

Vinyl Acetate

Concen: 100.724 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

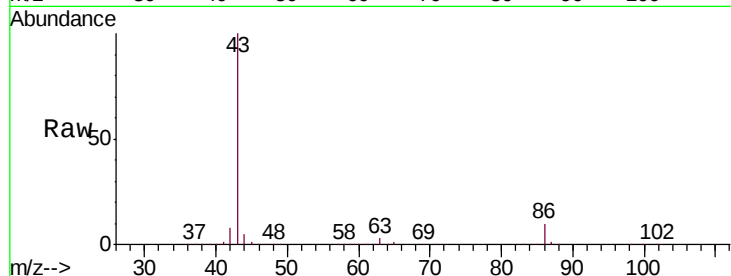
VY0316SBS01

Tgt Ion: 43 Resp: 470497

Ion Ratio Lower Upper

43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

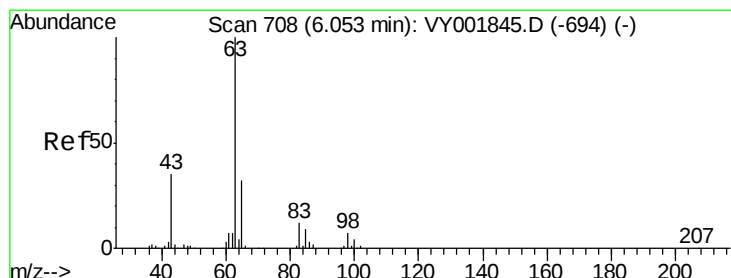
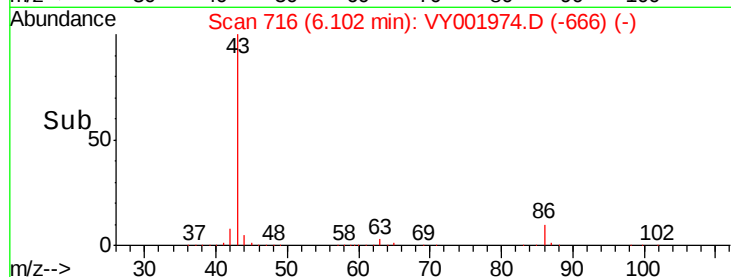
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.128 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

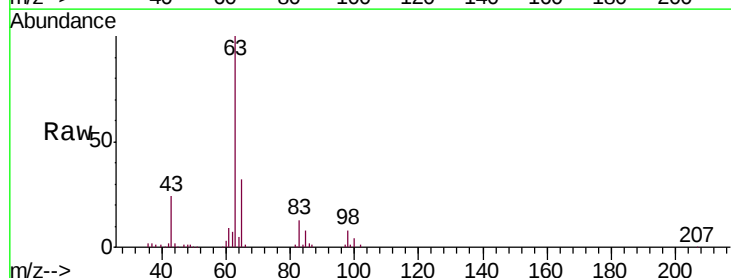
Tgt Ion: 63 Resp: 77664

Ion Ratio Lower Upper

63 100

98 8.1 3.4 10.2

100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.06

30000

25000

20000

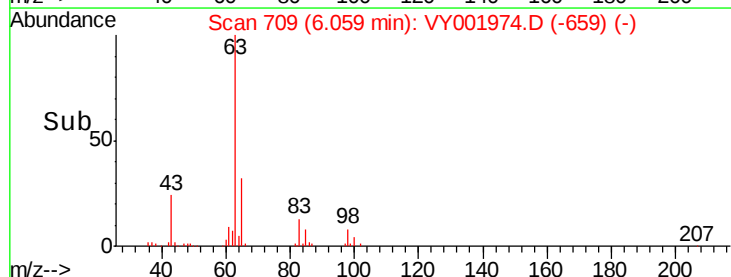
15000

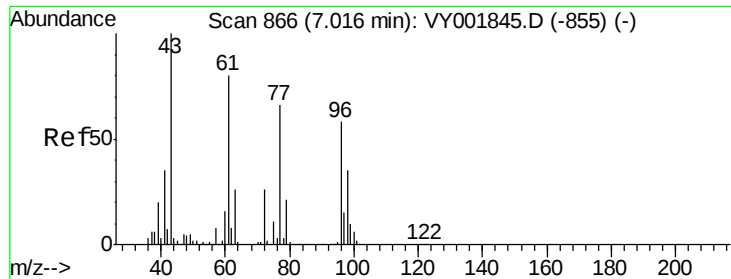
10000

5000

0

Time-->

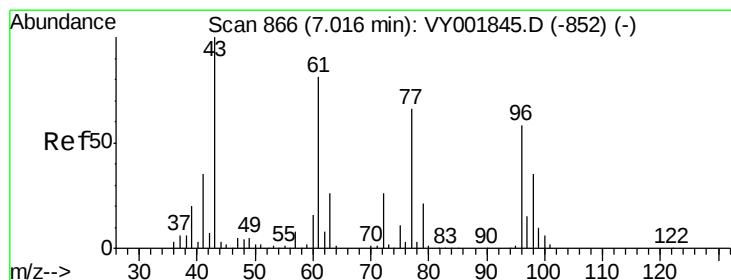
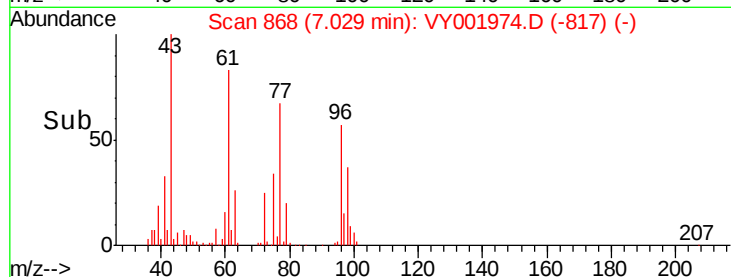
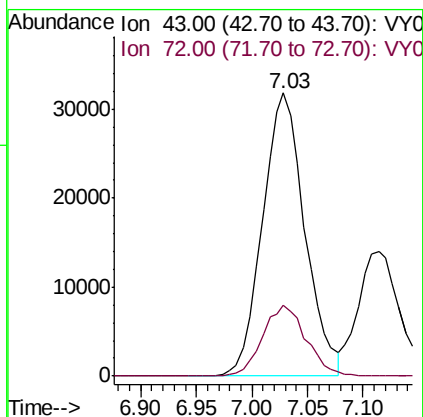
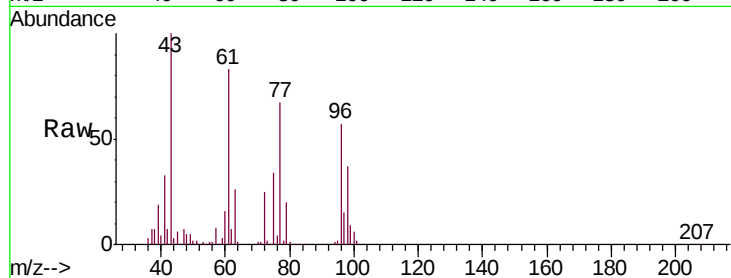




#25
2-Butanone
Concen: 100.754 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

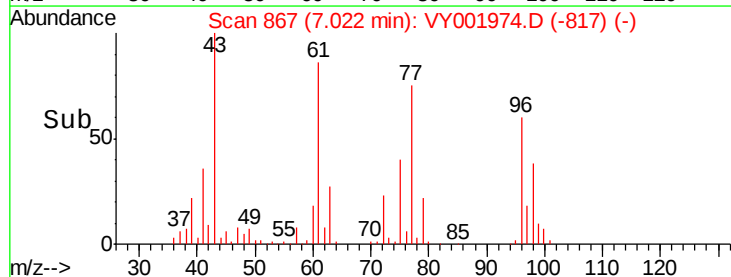
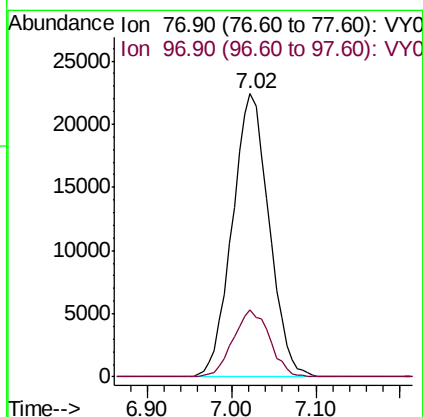
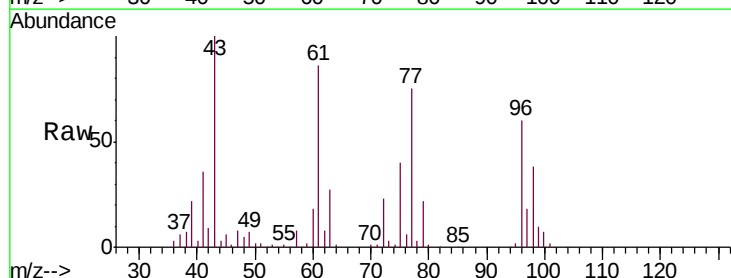
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

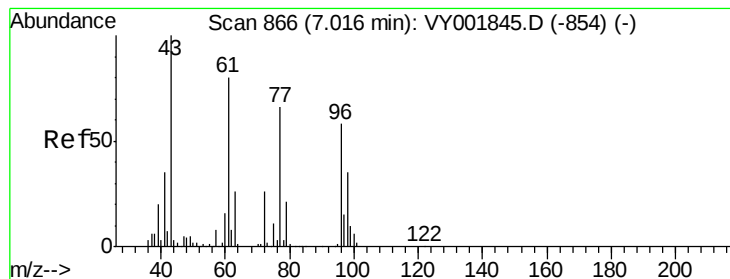
Tgt Ion: 43 Resp: 84020
Ion Ratio Lower Upper
43 100
72 25.1 20.9 31.3



#26
2,2-Dichloropropane
Concen: 20.902 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 77 Resp: 66197
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.7



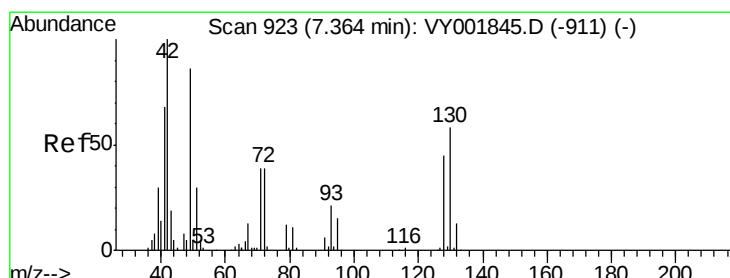
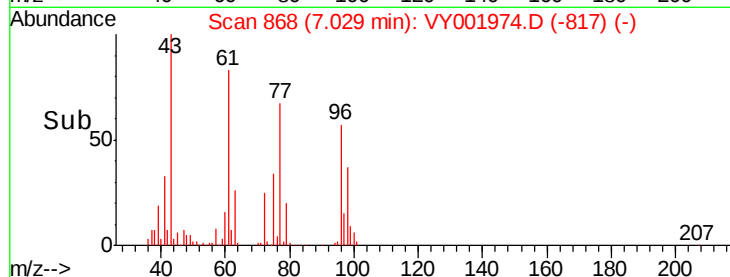
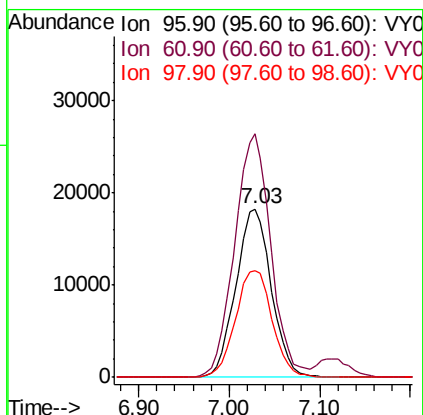
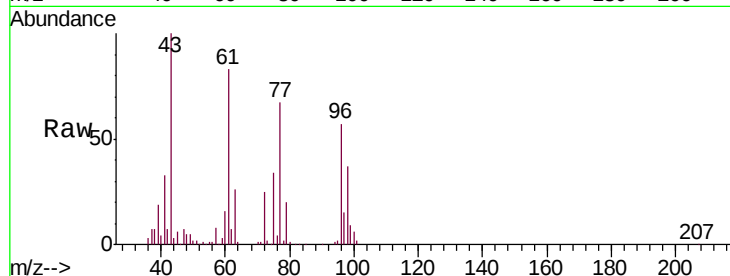


#27

cis-1,2-Dichloroethene
 Concen: 20.429 ug/l
 RT: 7.03 min Scan# 868
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

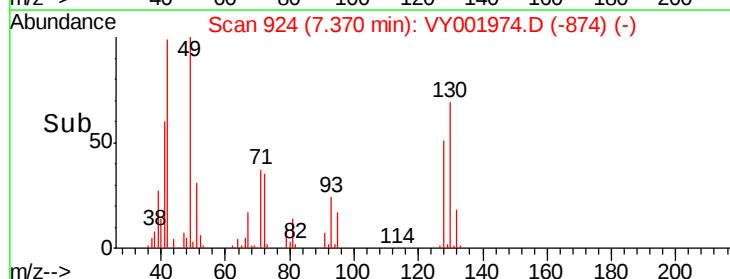
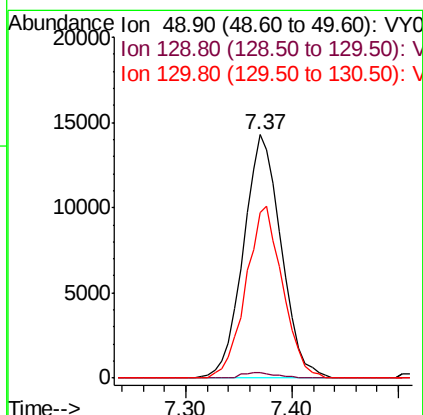
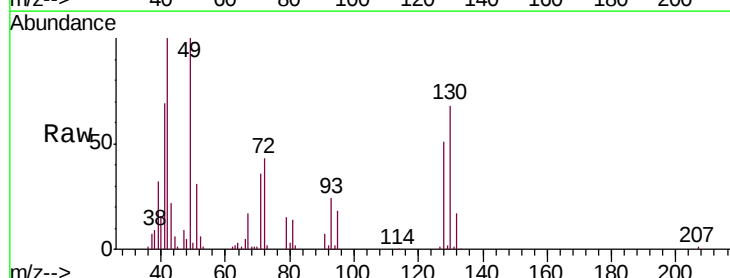
Tgt Ion: 96 Resp: 49456
 Ion Ratio Lower Upper
 96 100
 61 148.2 0.0 288.2
 98 65.6 0.0 129.0

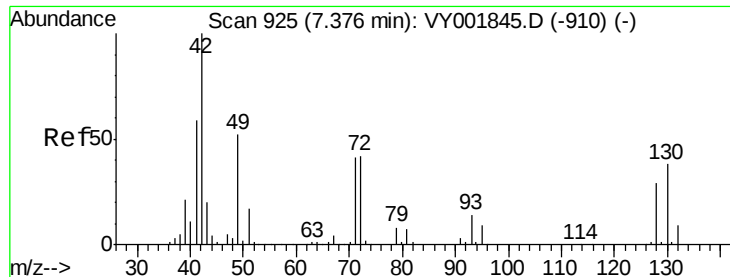


#28

Bromochloromethane
 Concen: 20.427 ug/l
 RT: 7.37 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion: 49 Resp: 35528
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 68.7 54.4 81.6

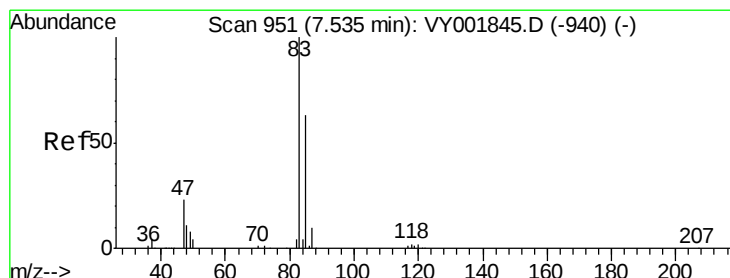
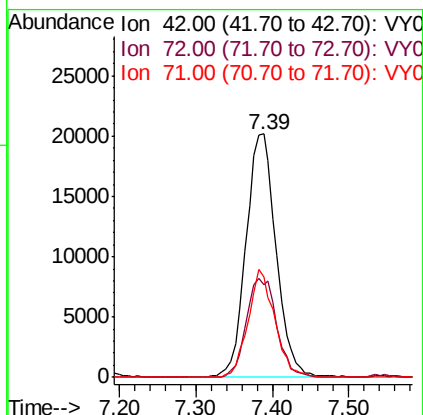
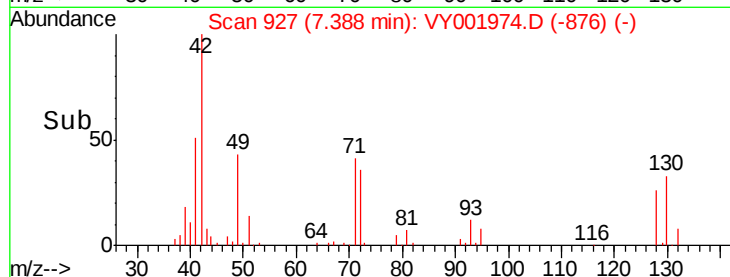
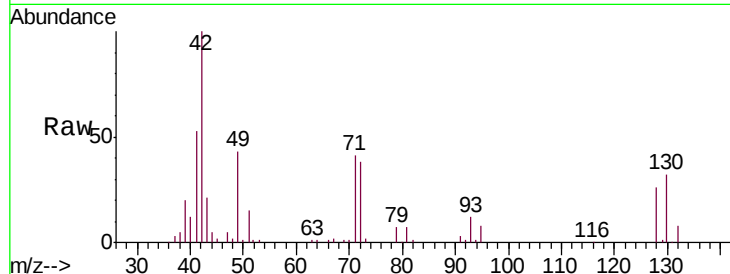




#29
Tetrahydrofuran
Concen: 99.935 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

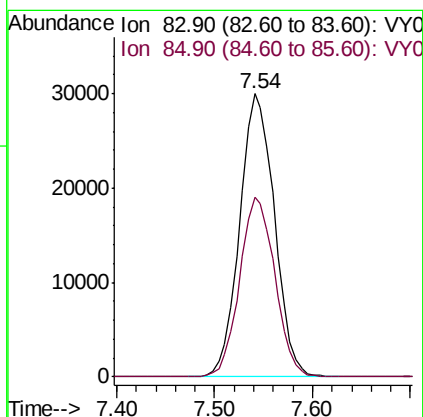
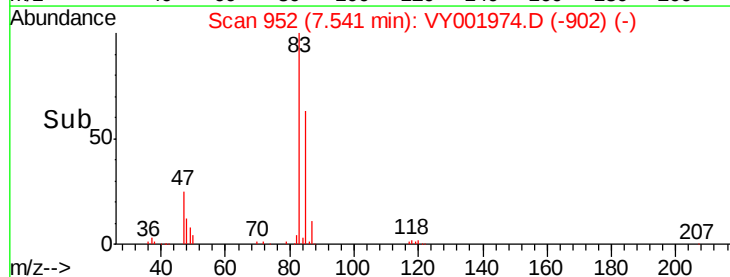
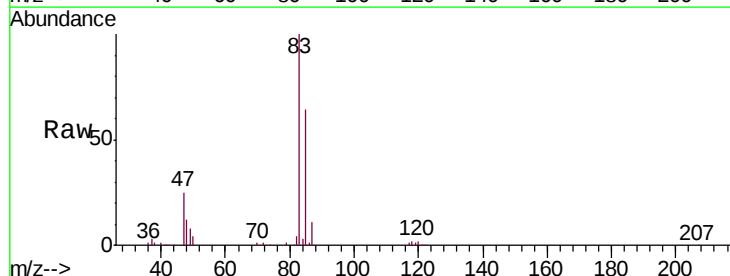
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tgt Ion: 42 Resp: 55341
Ion Ratio Lower Upper
42 100
72 41.2 33.5 50.3
71 39.2 31.3 46.9



#30
Chloroform
Concen: 20.419 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 83 Resp: 74024
Ion Ratio Lower Upper
83 100
85 63.6 50.7 76.1





#31

Cyclohexane

Concen: 19.341 ug/l

RT: 7.81 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

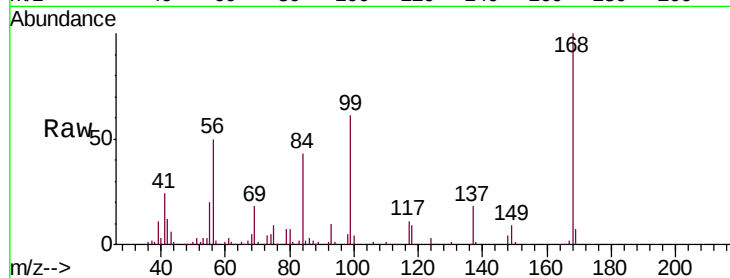
Tgt Ion: 56 Resp: 80019

Ion Ratio Lower Upper

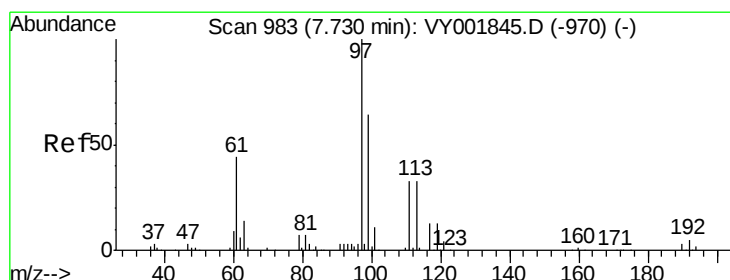
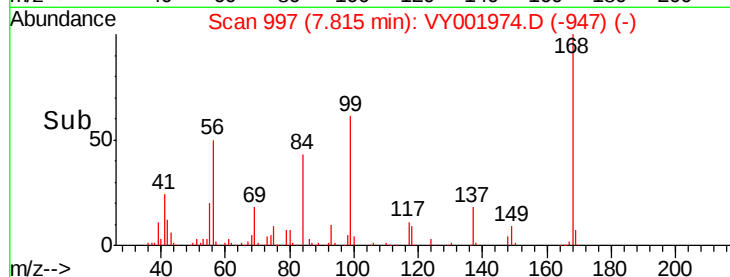
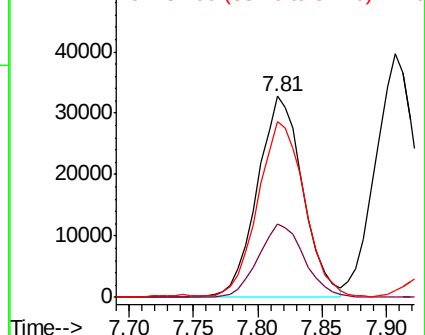
56 100

69 36.5 26.7 40.1

84 85.9 70.4 105.6



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



#32

1,1,1-Trichloroethane

Concen: 20.612 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

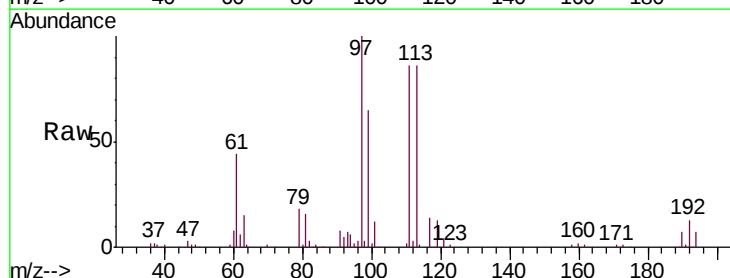
Tgt Ion: 97 Resp: 62981

Ion Ratio Lower Upper

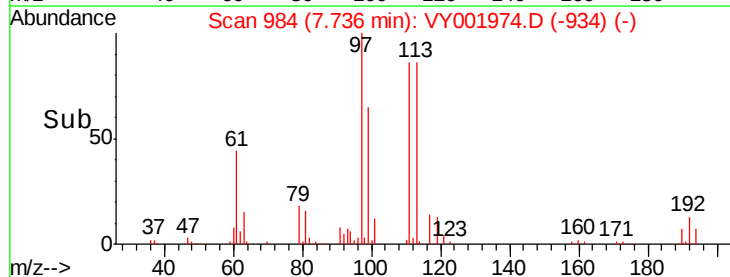
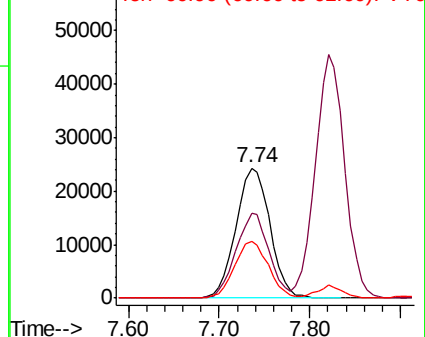
97 100

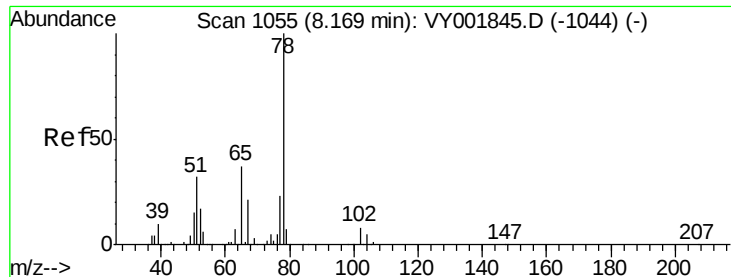
99 63.8 52.0 78.0

61 43.7 35.0 52.4



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

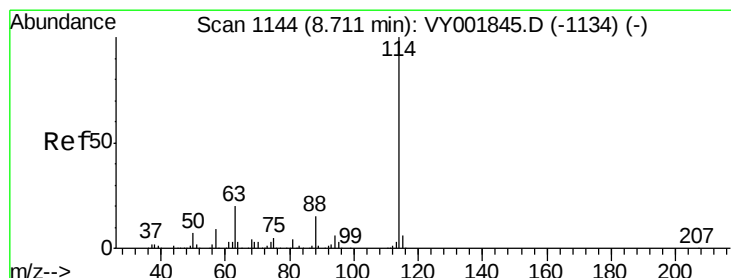
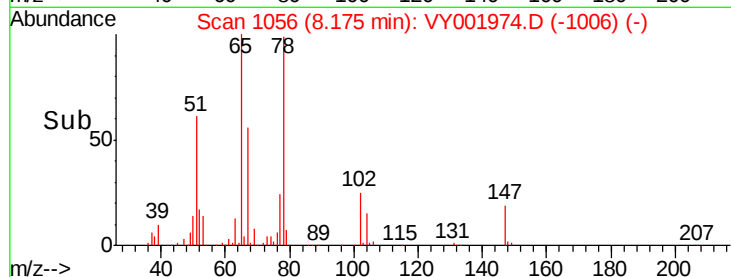
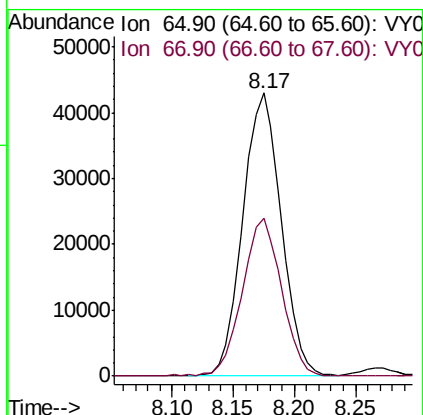
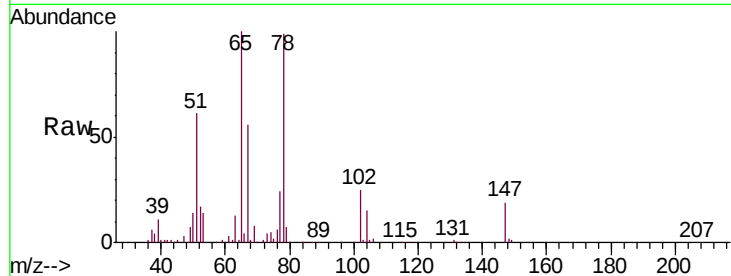




#33
 1,2-Dichloroethane-d4
 Concen: 49.940 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

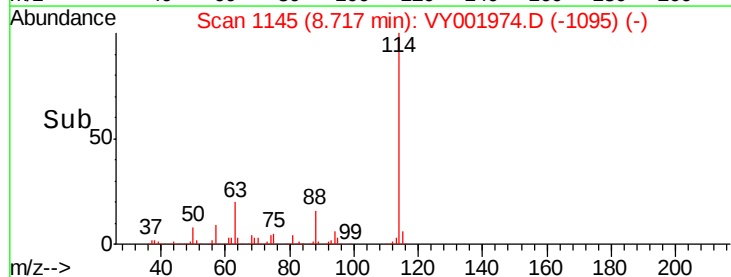
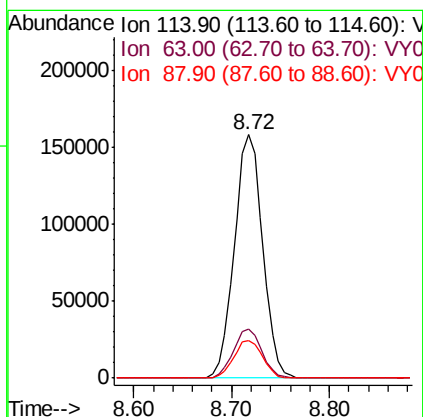
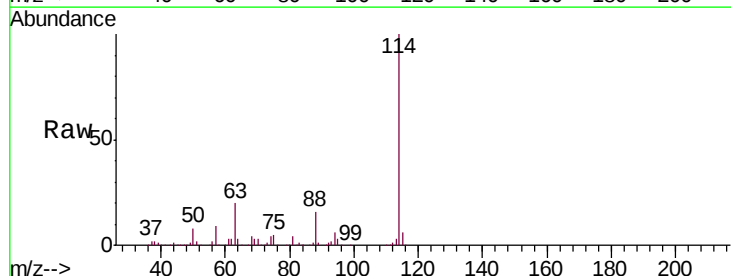
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

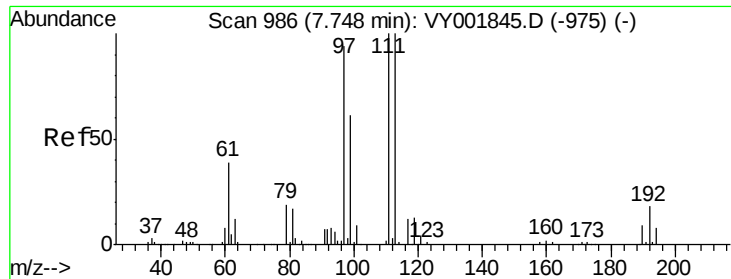
Tgt Ion: 65 Resp: 94023
 Ion Ratio Lower Upper
 65 100
 67 56.8 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion: 114 Resp: 315537
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.4
 88 15.6 0.0 30.4

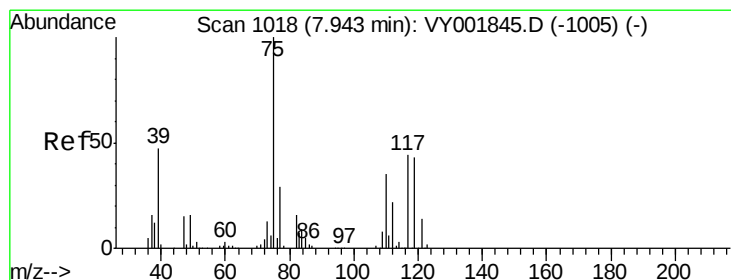
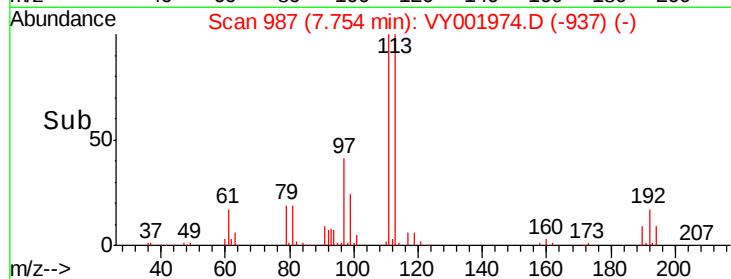
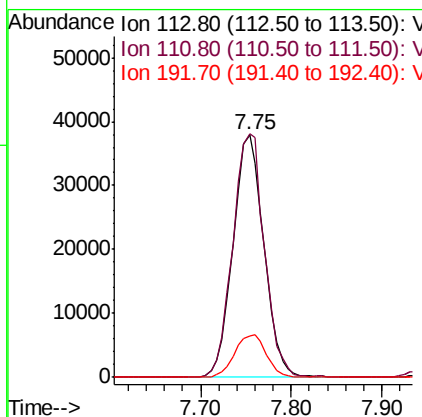
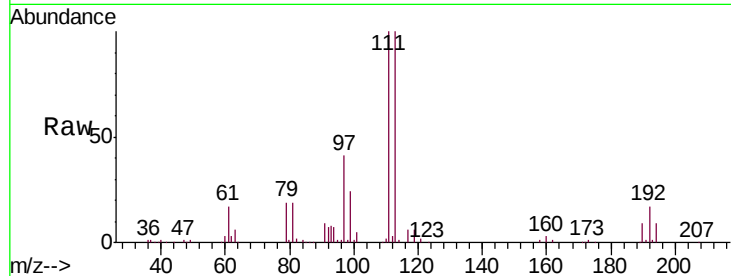




#35
 Dibromofluoromethane
 Concen: 51.995 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

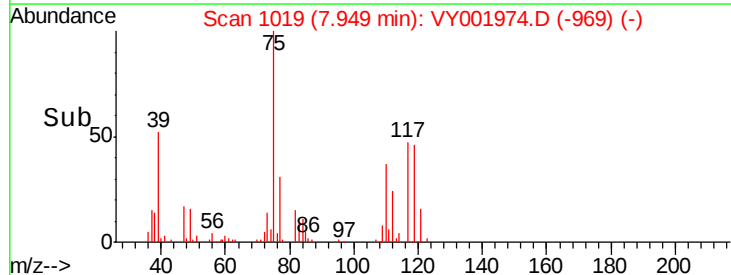
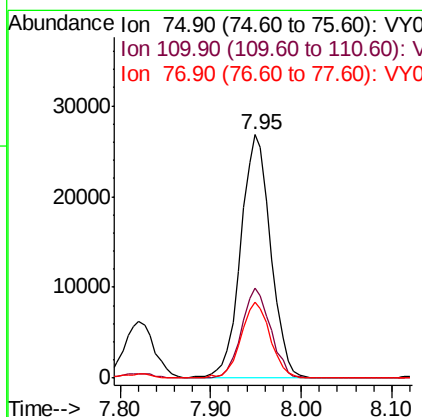
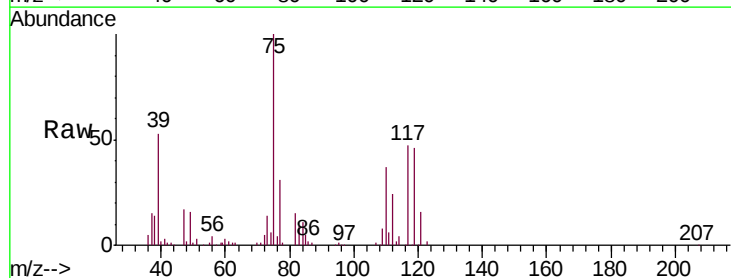
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

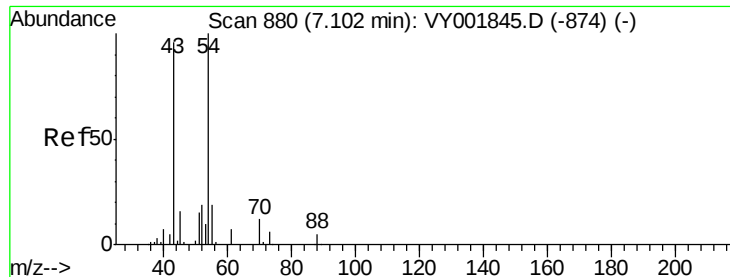
Tgt Ion:113 Resp: 89586
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.8 122.8
 192 18.0 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 20.169 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion: 75 Resp: 61243
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.4 52.2
 77 30.7 24.2 36.2

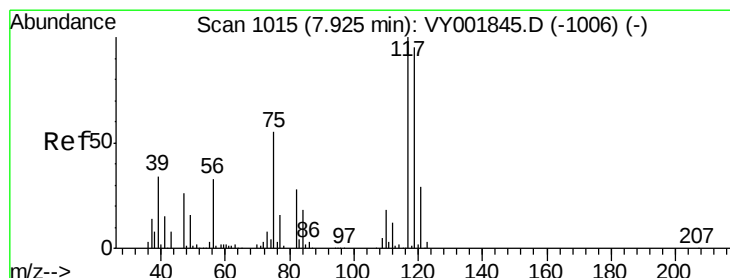
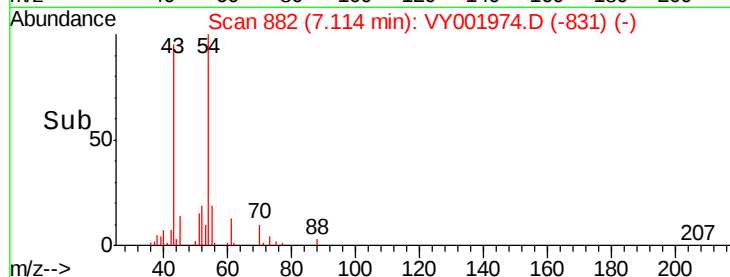
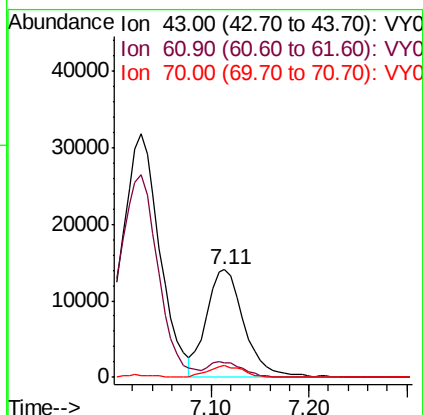
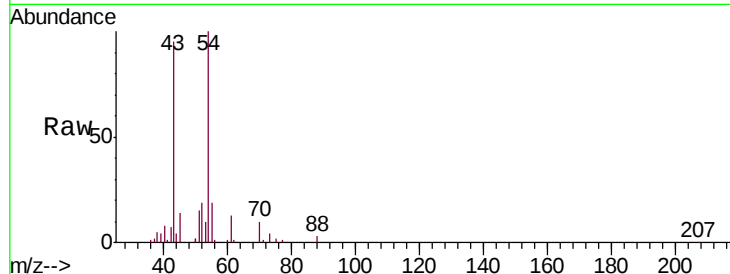




#37
Ethyl Acetate
Concen: 21.106 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

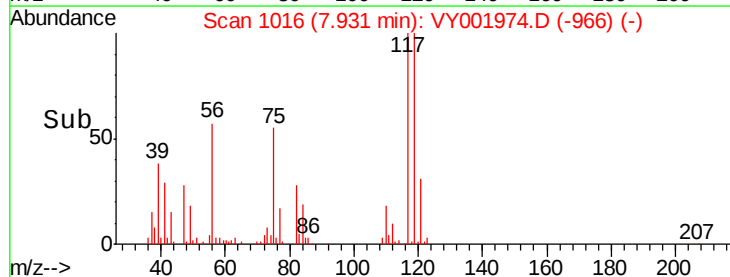
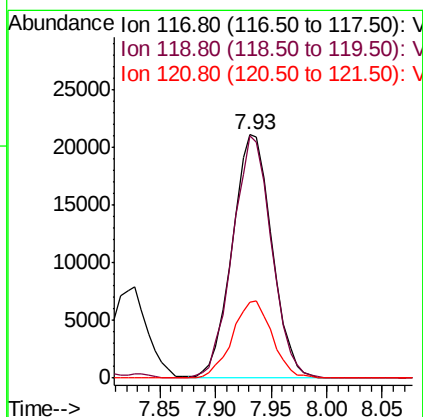
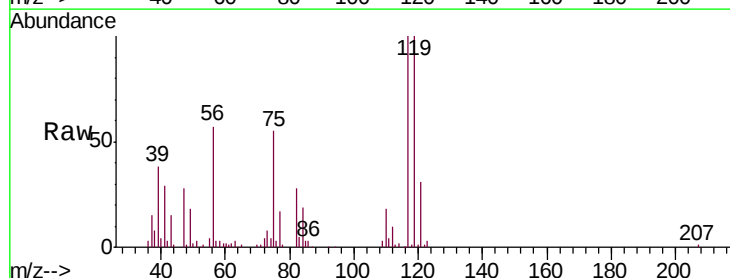
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

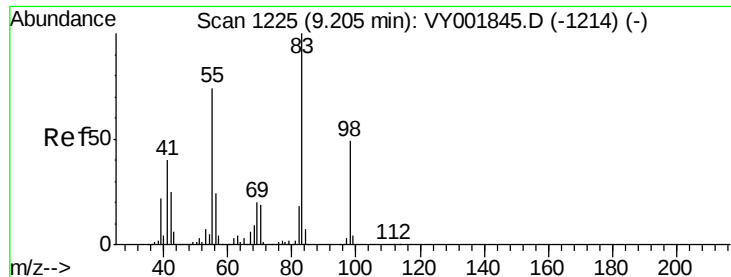
Tgt Ion: 43 Resp: 37248
Ion Ratio Lower Upper
43 100
61 13.3 11.1 16.7
70 10.3 8.2 12.4



#38
Carbon Tetrachloride
Concen: 20.201 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 117 Resp: 52400
Ion Ratio Lower Upper
117 100
119 99.6 76.3 114.5
121 31.2 23.5 35.3

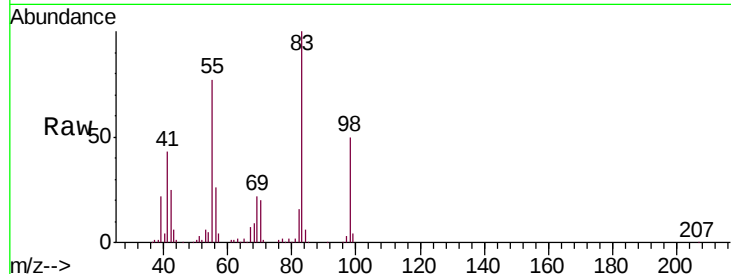




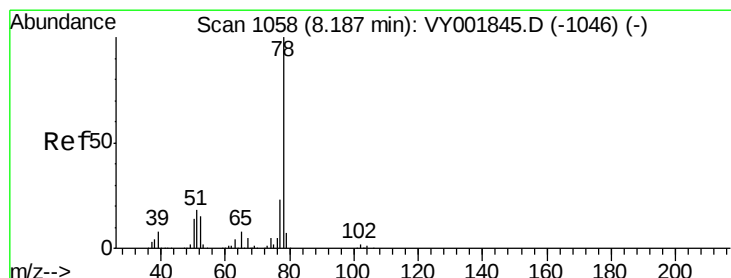
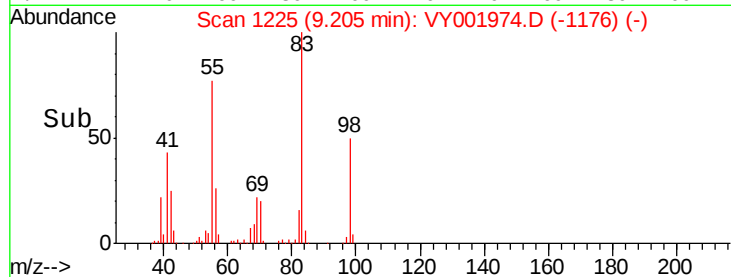
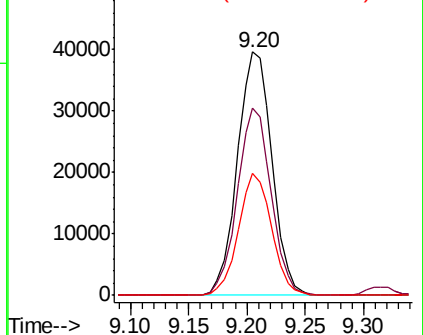
#39
Methylcyclohexane
Concen: 20.365 ug/l
RT: 9.20 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tgt Ion: 83 Resp: 82016
Ion Ratio Lower Upper
83 100
55 77.0 59.4 89.0
98 50.3 38.9 58.3

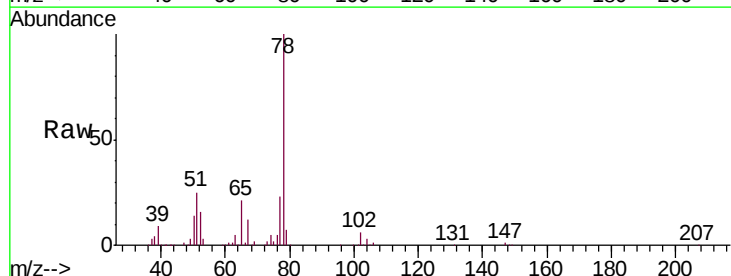


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

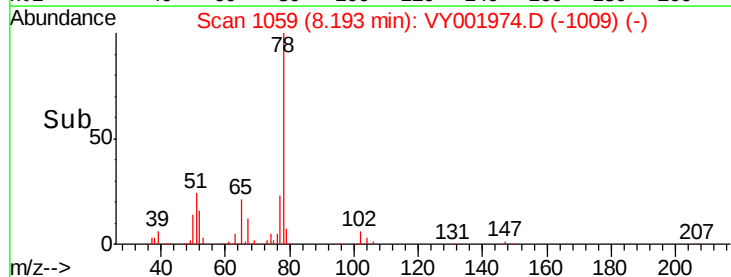
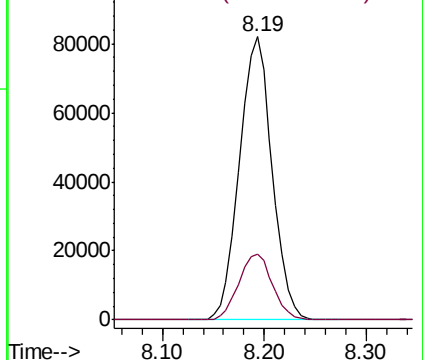


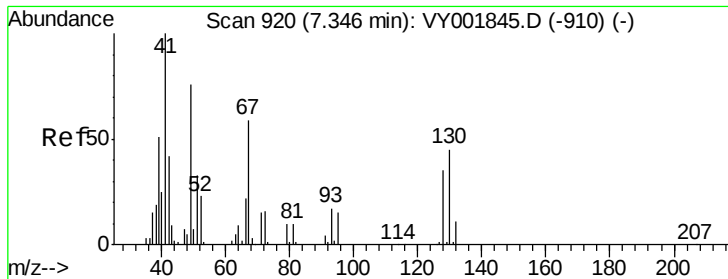
#40
Benzene
Concen: 20.212 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 78 Resp: 181907
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#41

Methacrylonitrile

Concen: 62.479 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.04 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

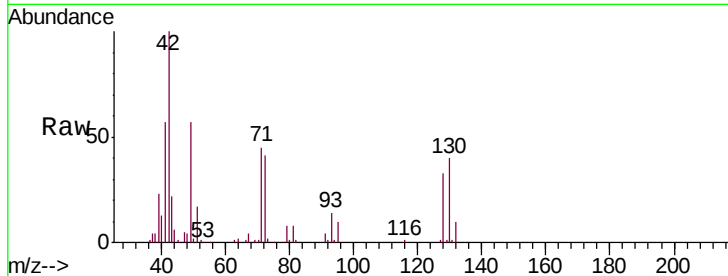
MSVOA_Y

ClientSampleId :

VY0316SBS01

Tgt Ion: 41 Resp: 49622

Ion	Ratio	Lower	Upper
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

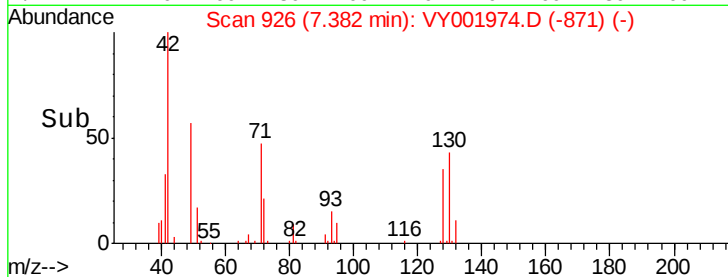
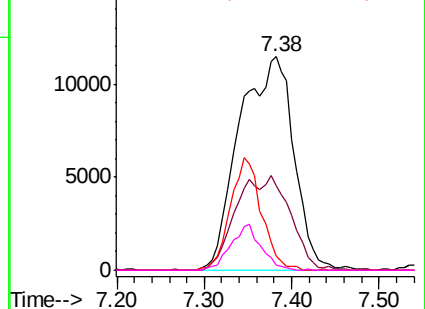


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 21.032 ug/l

RT: 8.27 min Scan# 1071

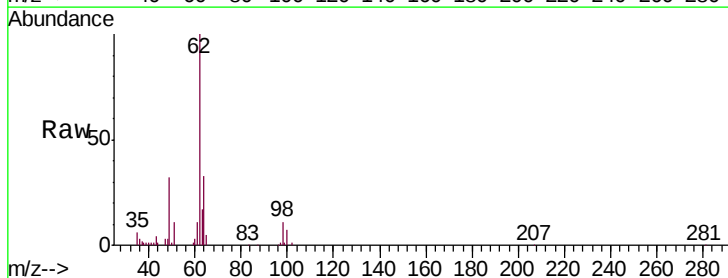
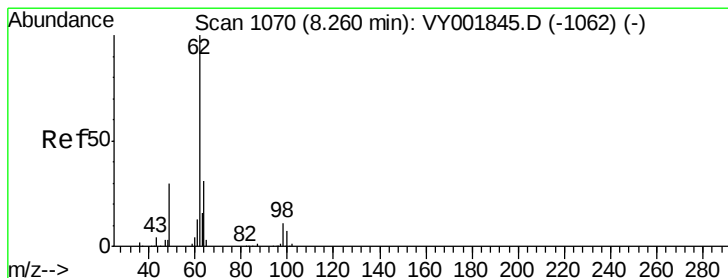
Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

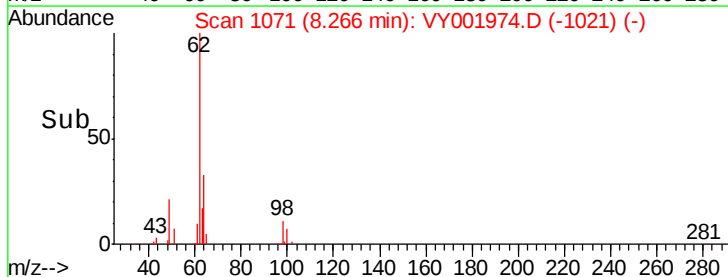
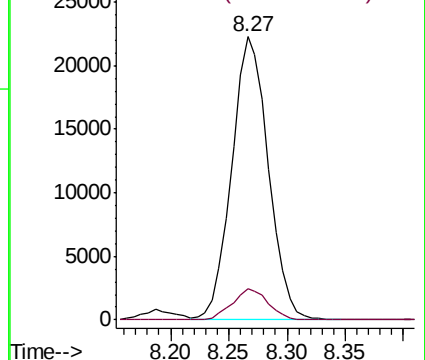
Tgt Ion: 62 Resp: 48777

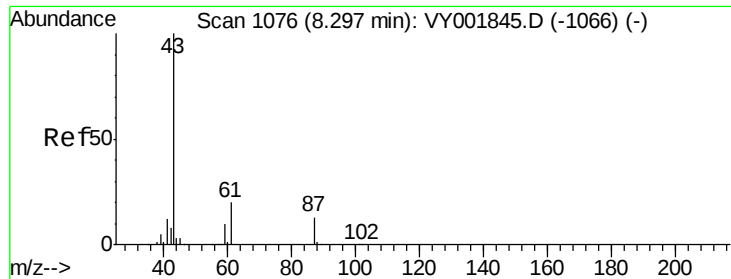
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

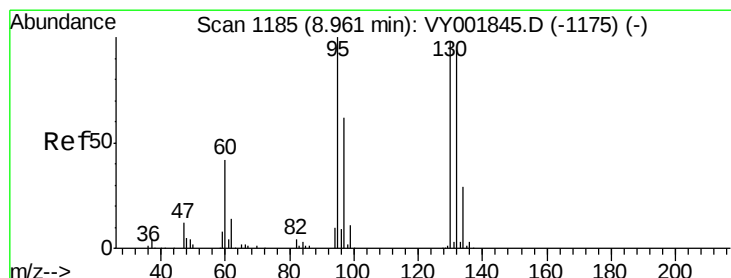
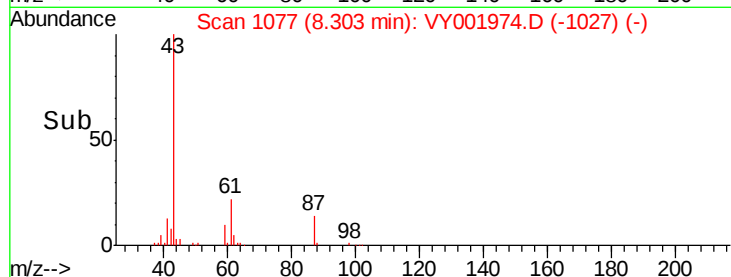
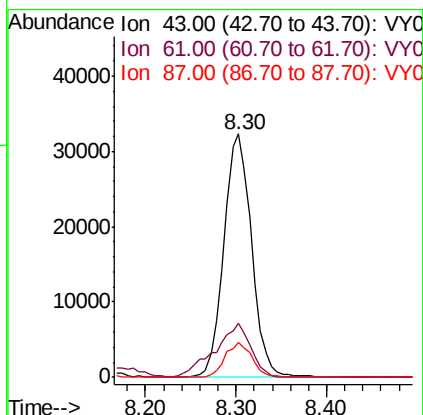
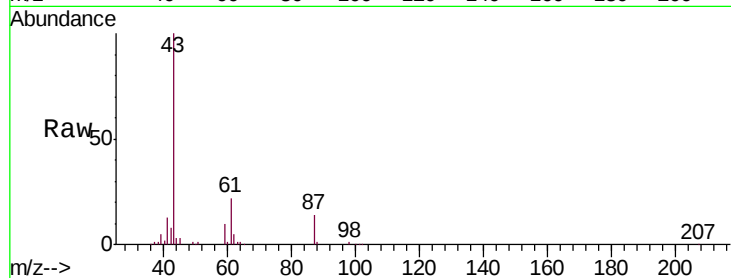




#43
Isopropyl Acetate
Concen: 20.520 ug/l
RT: 8.30 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

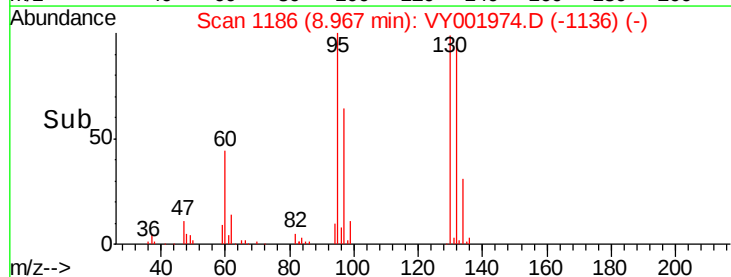
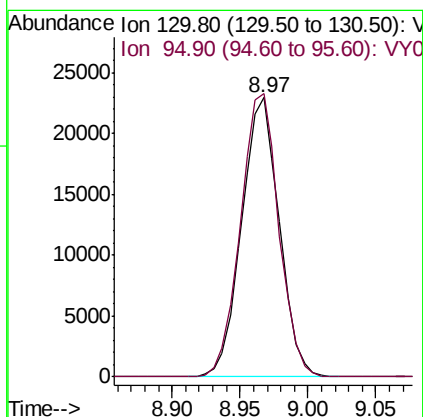
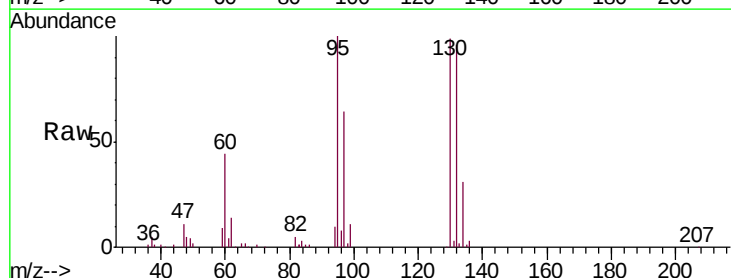
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

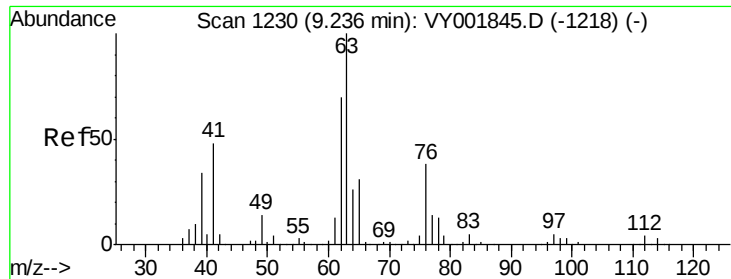
Tgt Ion: 43 Resp: 68561
Ion Ratio Lower Upper
43 100
61 28.9 23.8 35.6
87 13.8 10.9 16.3



#44
Trichloroethene
Concen: 20.241 ug/l
RT: 8.97 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 130 Resp: 44366
Ion Ratio Lower Upper
130 100
95 101.3 0.0 204.6





#45

1,2-Dichloropropane

Concen: 20.905 ug/l

RT: 9.24 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

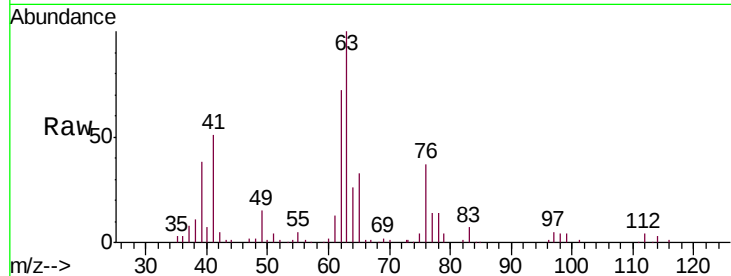
VY0316SBS01

Tgt Ion: 63 Resp: 47297

Ion Ratio Lower Upper

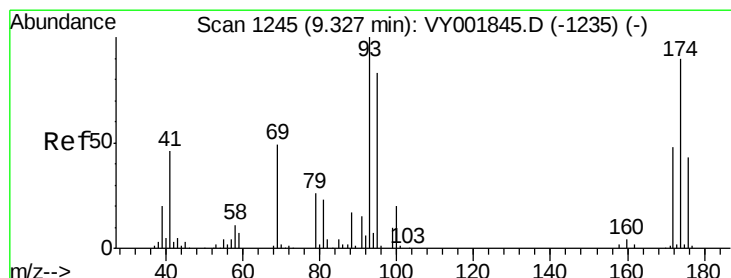
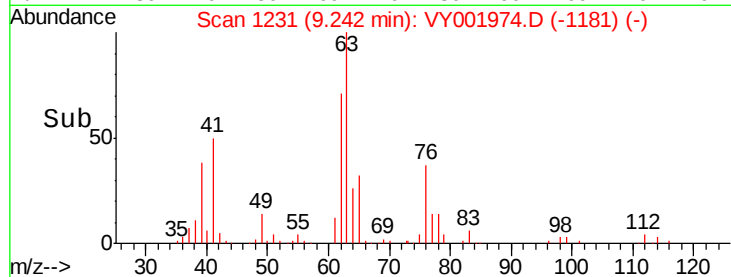
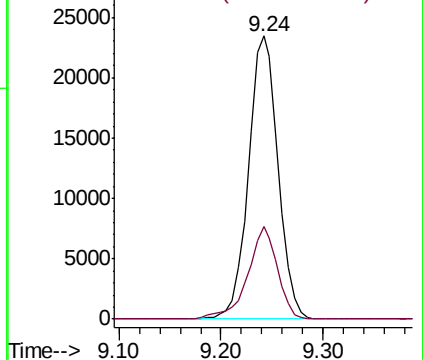
63 100

65 32.6 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 20.170 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

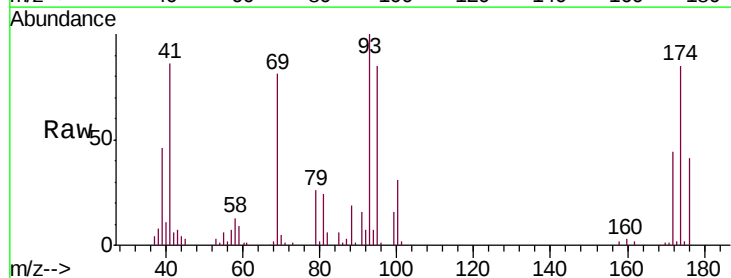
Tgt Ion: 93 Resp: 23516

Ion Ratio Lower Upper

93 100

95 84.4 67.0 100.4

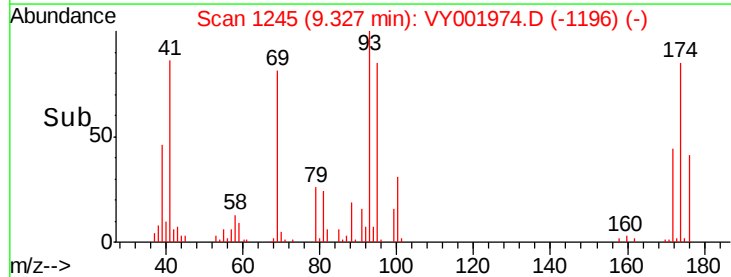
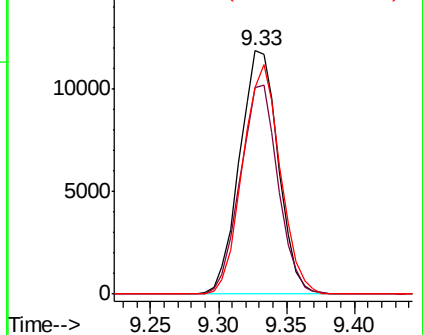
174 91.8 71.8 107.8

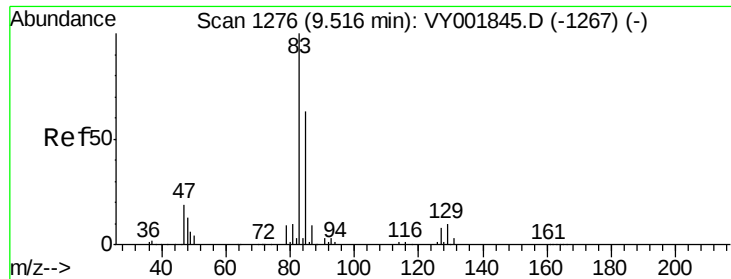


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

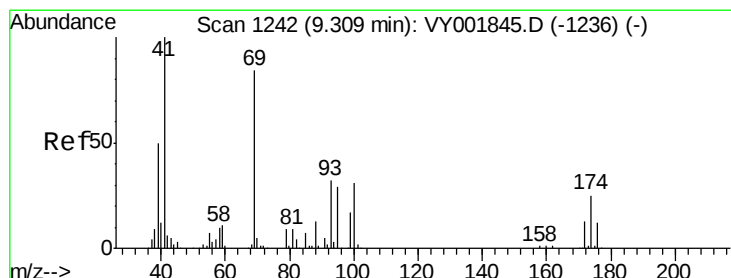
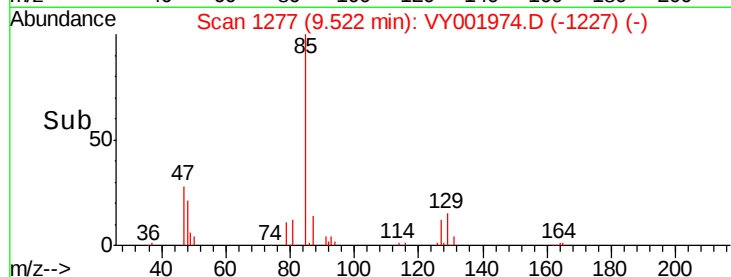
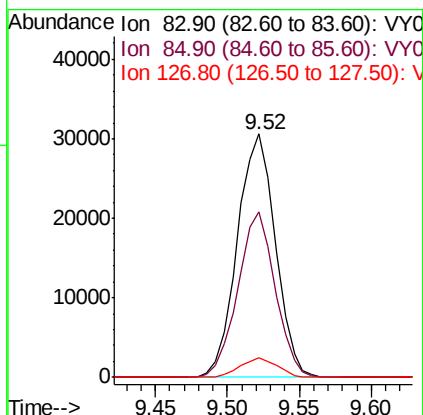
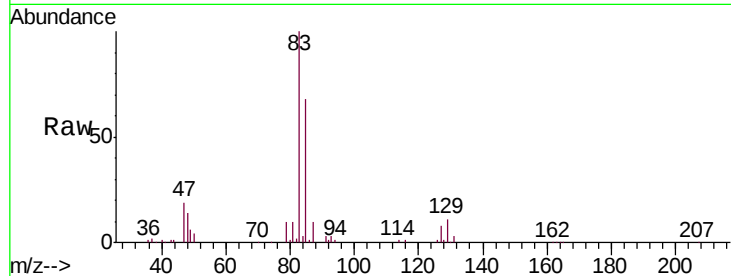




#47
Bromodichloromethane
Concen: 20.671 ug/l
RT: 9.52 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

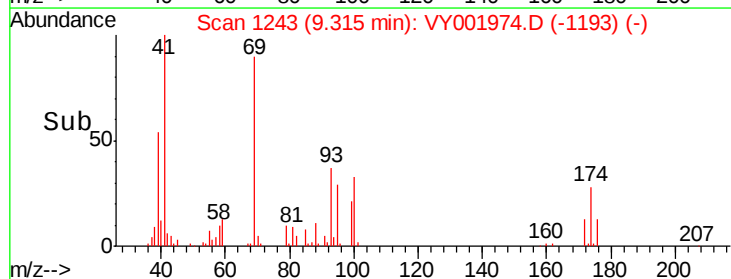
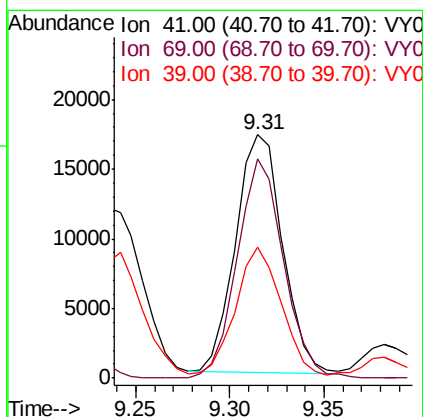
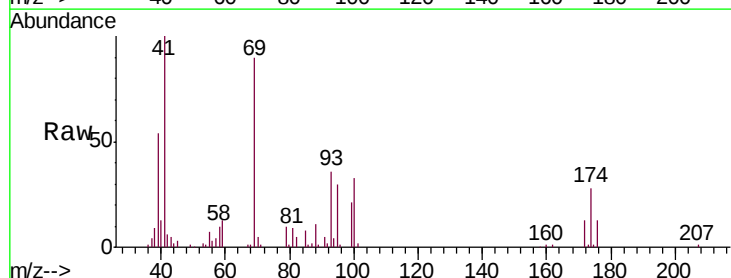
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

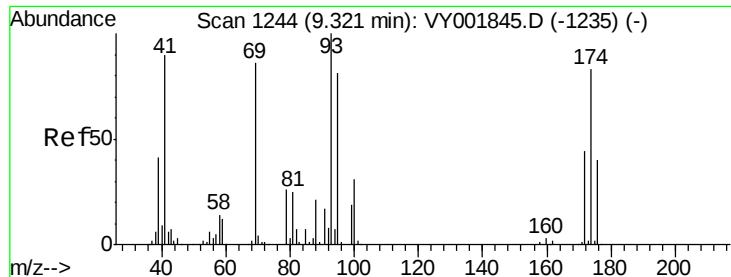
Tgt Ion: 83 Resp: 56061
Ion Ratio Lower Upper
83 100
85 68.0 50.6 76.0
127 7.9 6.2 9.4



#48
Methyl methacrylate
Concen: 19.962 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 41 Resp: 29596
Ion Ratio Lower Upper
41 100
69 90.7 69.0 103.6
39 52.1 39.1 58.7





#49

1,4-Dioxane

Concen: 363.932 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

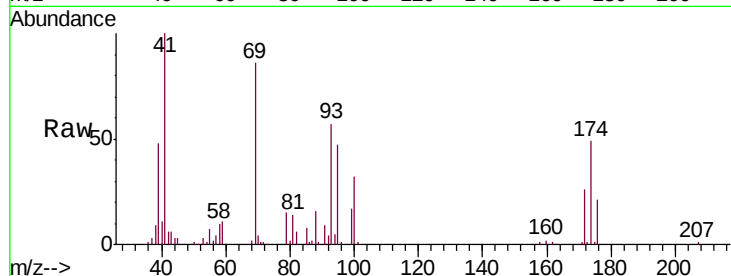
Tgt Ion: 88 Resp: 5814

Ion Ratio Lower Upper

88 100

43 34.1 25.0 37.6

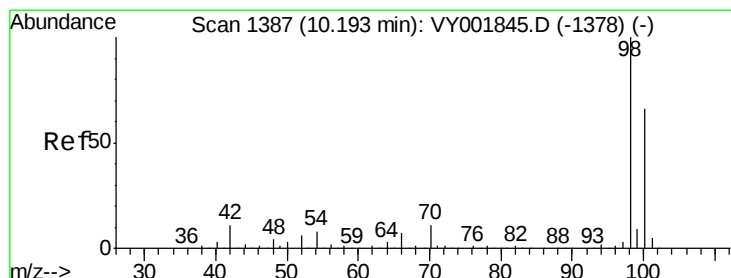
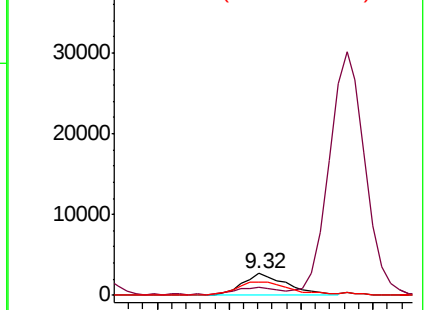
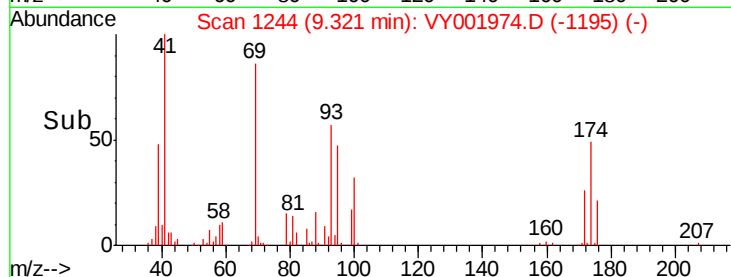
58 75.2 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 50.945 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001974.D

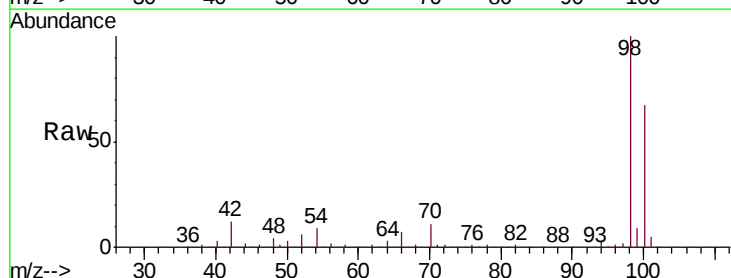
Acq: 16 Mar 2020 11:54

Tgt Ion: 98 Resp: 370141

Ion Ratio Lower Upper

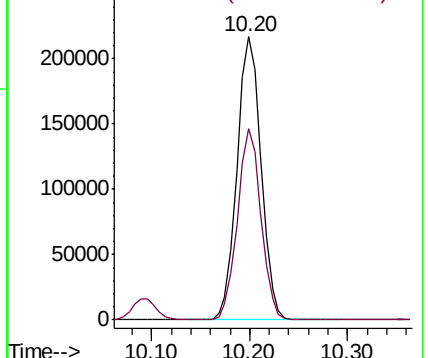
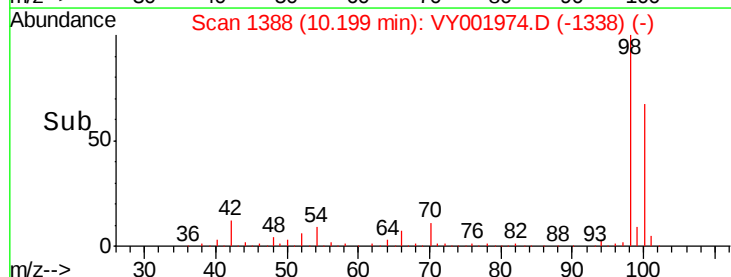
98 100

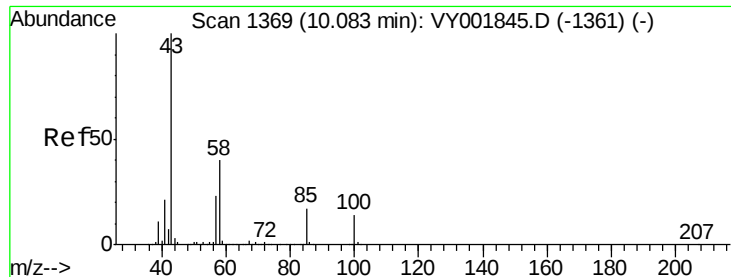
100 65.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

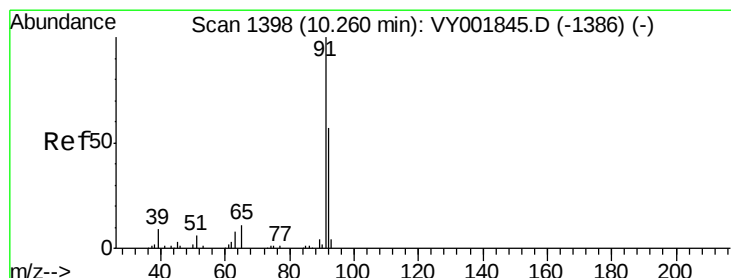
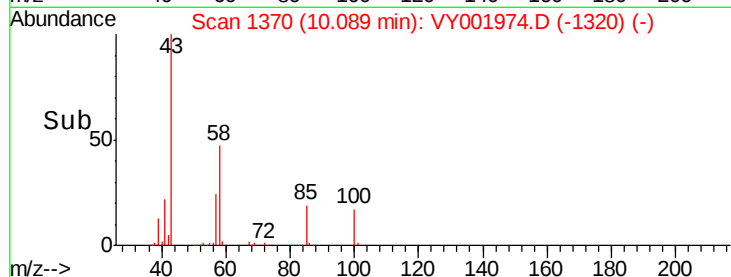
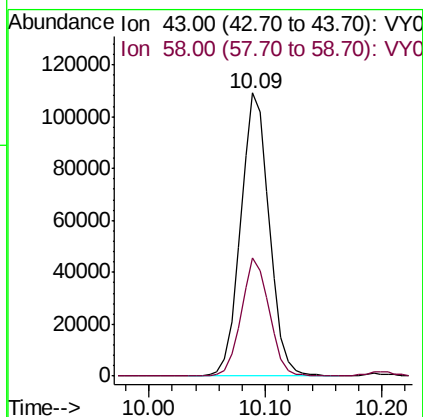
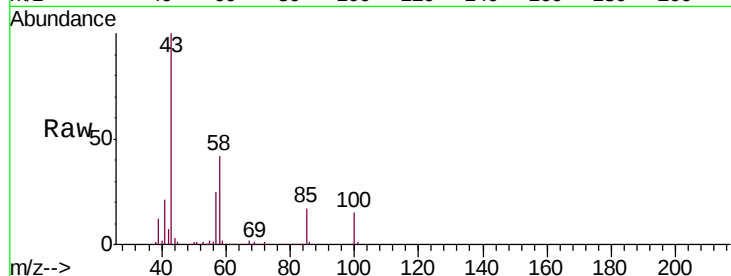




#51
 4-Methyl-2-Pentanone
 Concen: 108.626 ug/l
 RT: 10.09 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

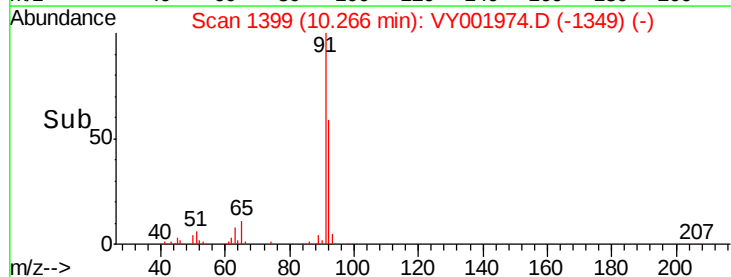
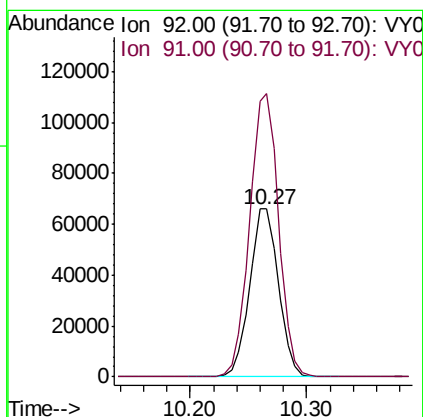
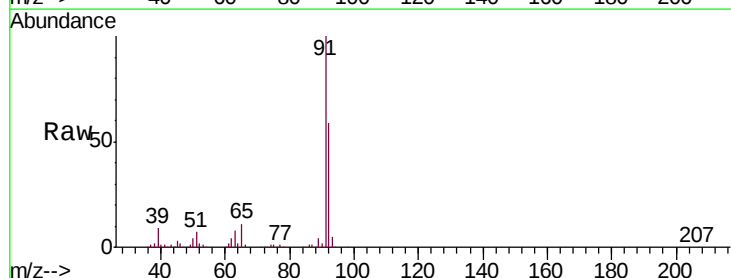
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

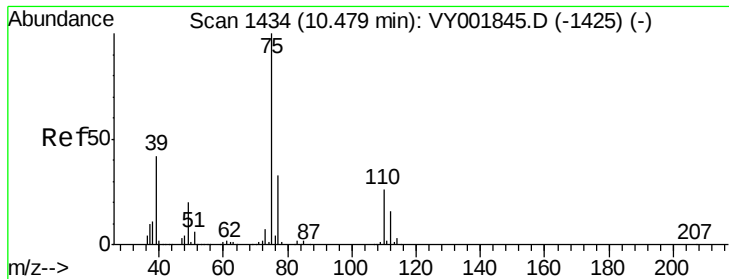
Tgt Ion: 43 Resp: 186942
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.0 48.0



#52
 Toluene
 Concen: 20.936 ug/l
 RT: 10.27 min Scan# 1399
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion: 92 Resp: 114464
 Ion Ratio Lower Upper
 92 100
 91 169.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 21.039 ug/l

RT: 10.49 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

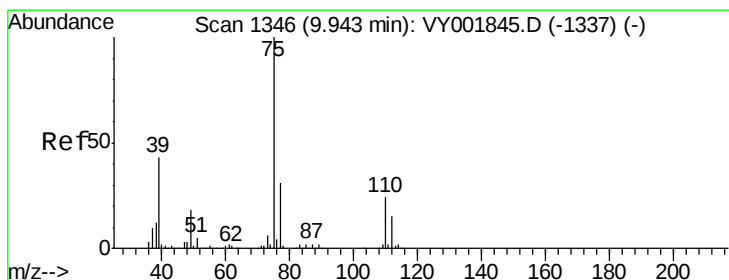
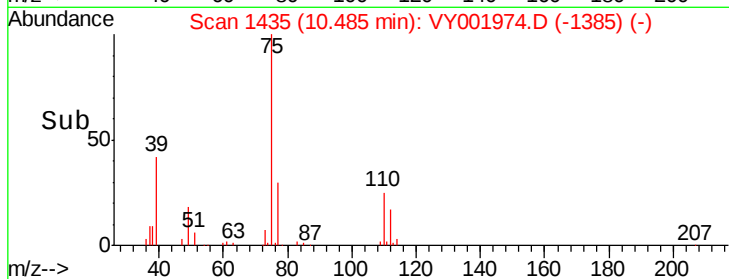
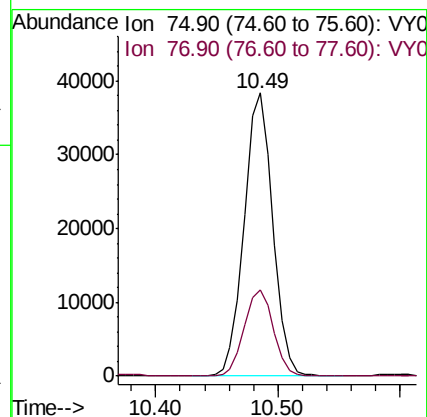
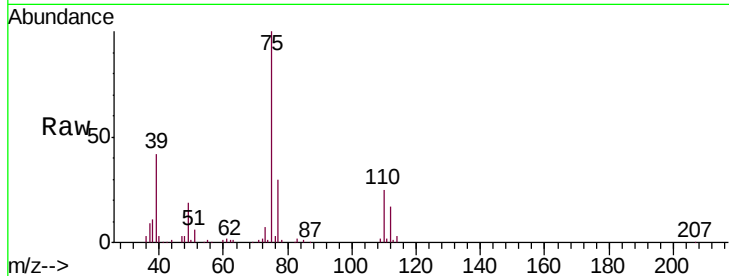
VY0316SBS01

Tgt Ion: 75 Resp: 62166

Ion Ratio Lower Upper

75 100

77 30.3 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 20.642 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

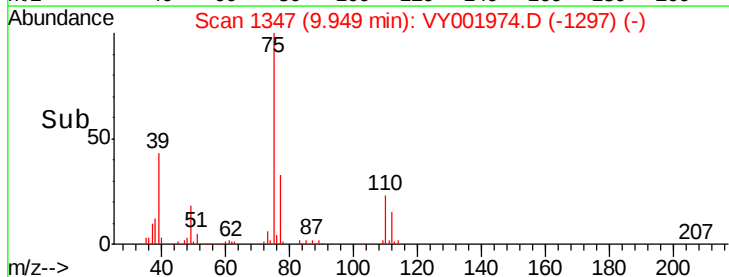
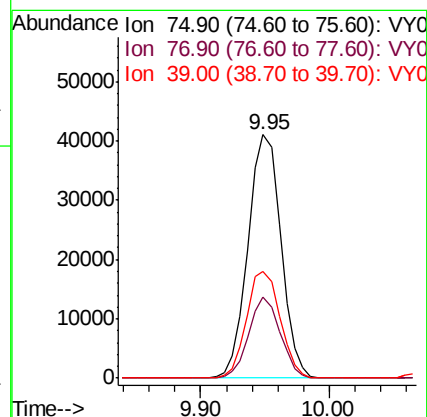
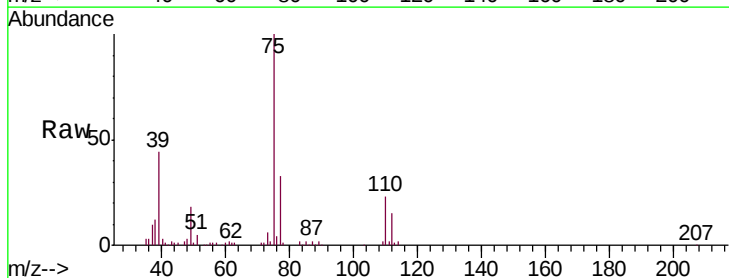
Tgt Ion: 75 Resp: 72608

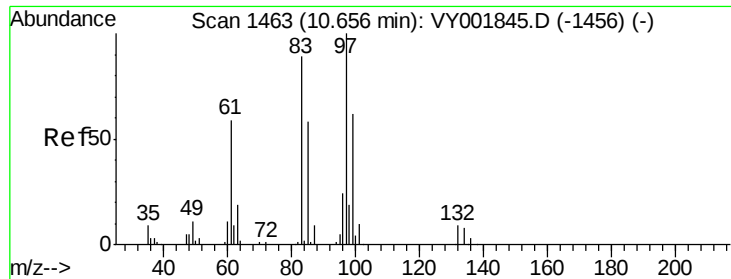
Ion Ratio Lower Upper

75 100

77 33.3 25.1 37.7

39 43.9 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 21.174 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tgt Ion: 97 Resp: 36129

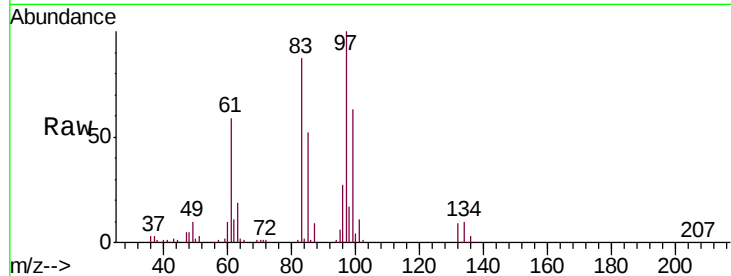
Ion Ratio Lower Upper

97 100

83 86.7 71.6 107.4

85 52.4 46.6 69.8

99 62.7 49.8 74.6

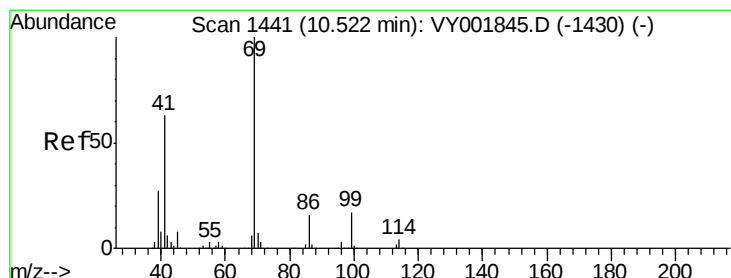
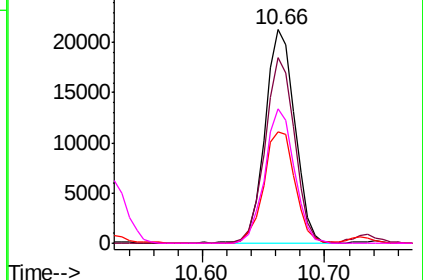
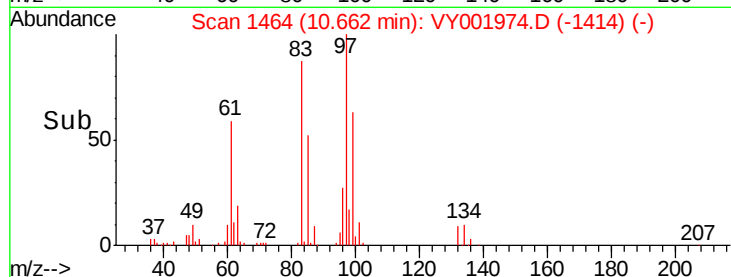


Abundance Ion 96.90 (96.60 to 97.60): VY0

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



#56

Ethyl methacrylate

Concen: 20.690 ug/l

RT: 10.53 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

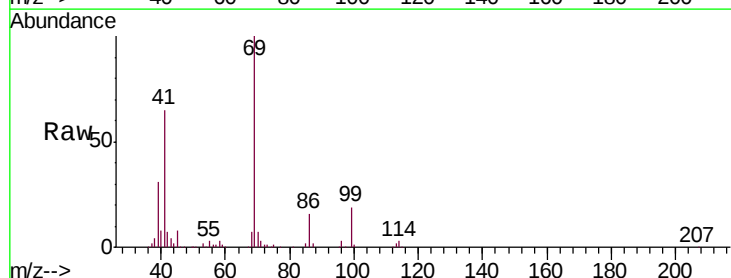
Tgt Ion: 69 Resp: 51746

Ion Ratio Lower Upper

69 100

41 63.3 49.9 74.9

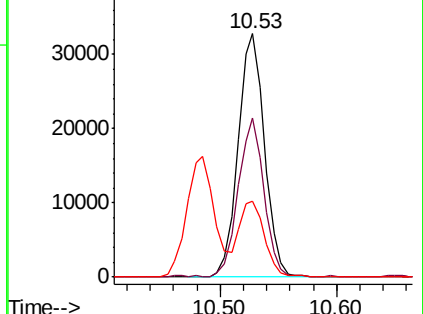
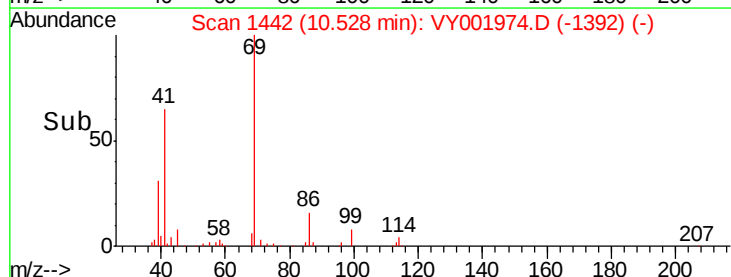
39 29.7 23.0 34.6

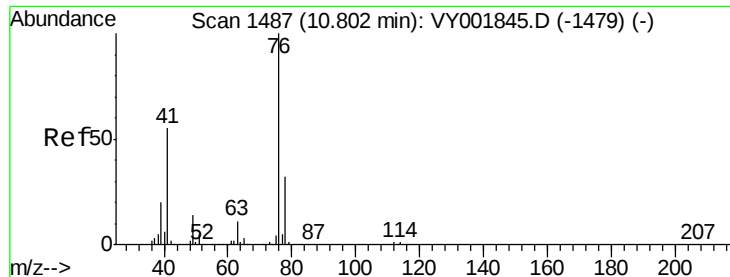


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

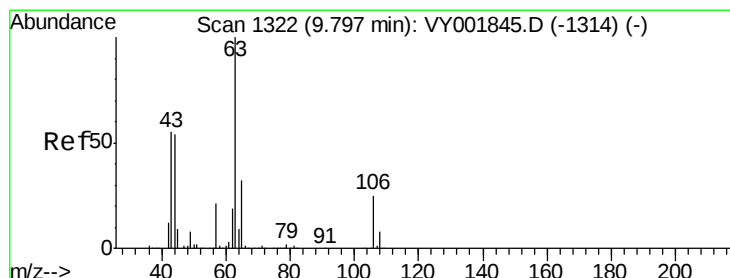
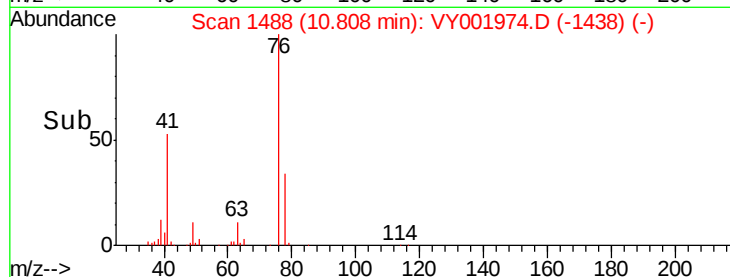
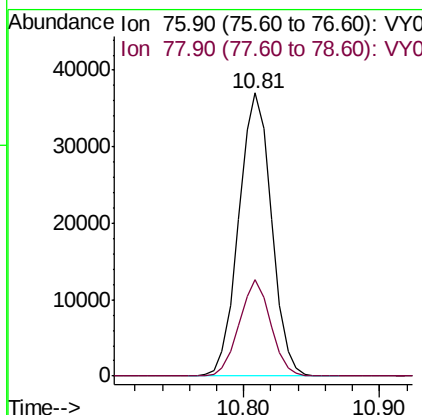
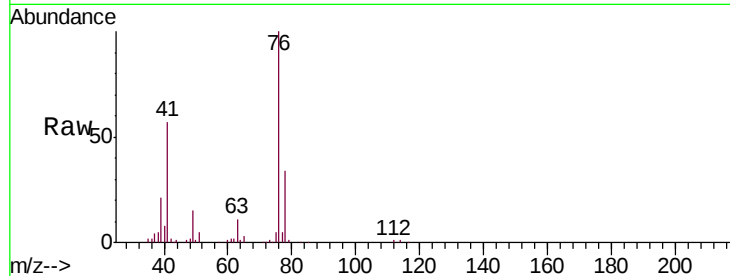




#57
 1,3-Dichloropropane
 Concen: 20.445 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

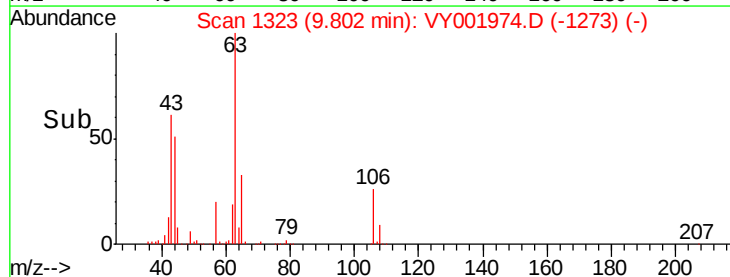
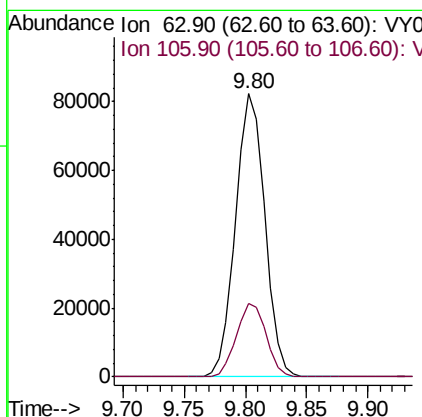
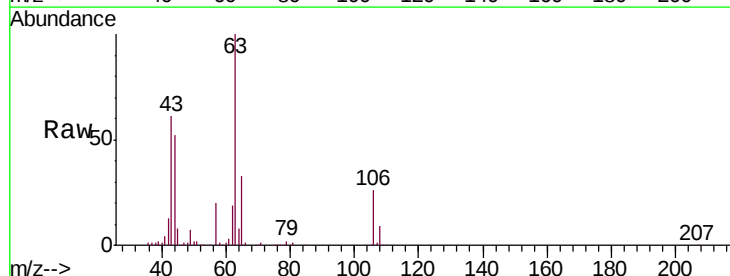
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

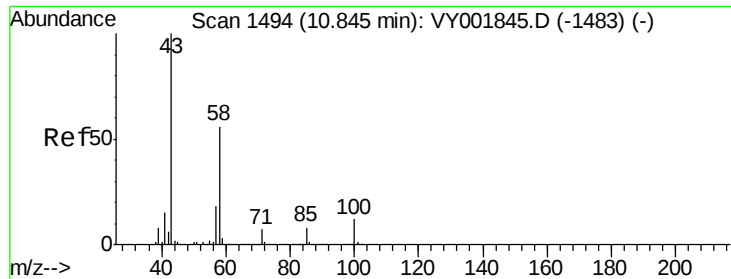
Tgt Ion: 76 Resp: 62184
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 142.550 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion: 63 Resp: 136708
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.3 31.9

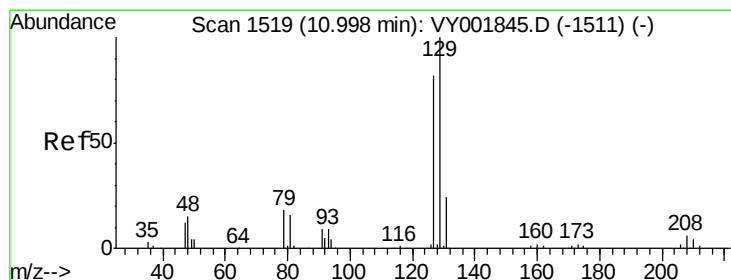
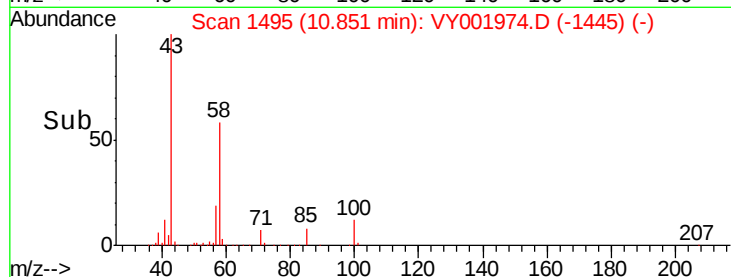
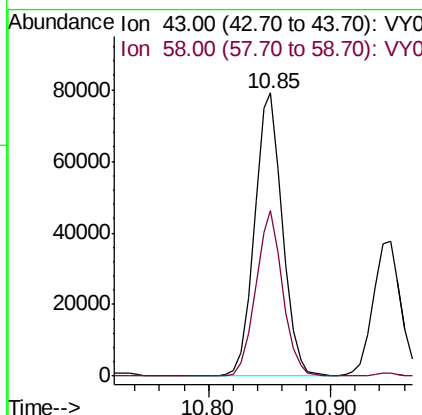
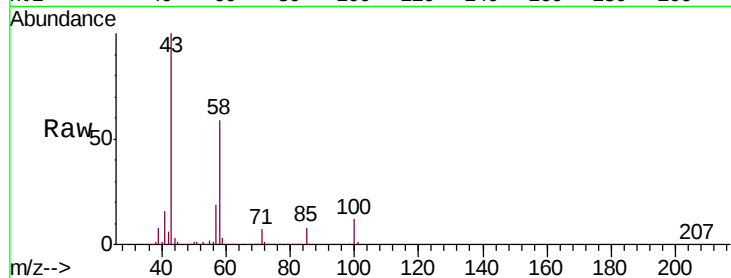




#59
2-Hexanone
Concen: 101.856 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

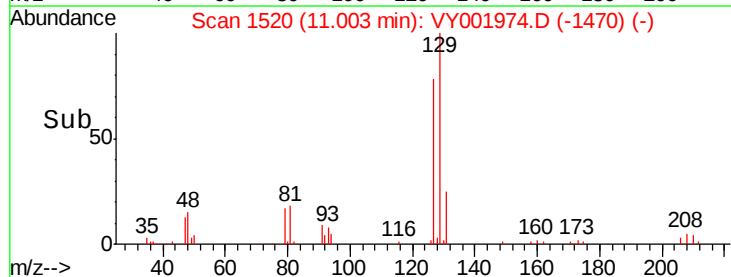
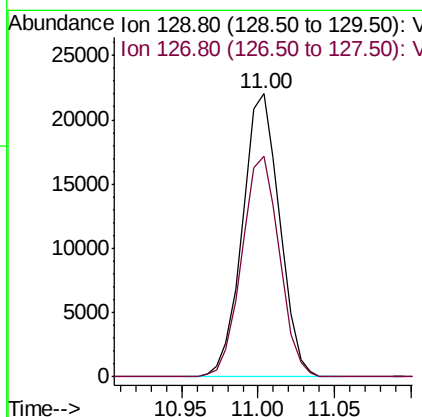
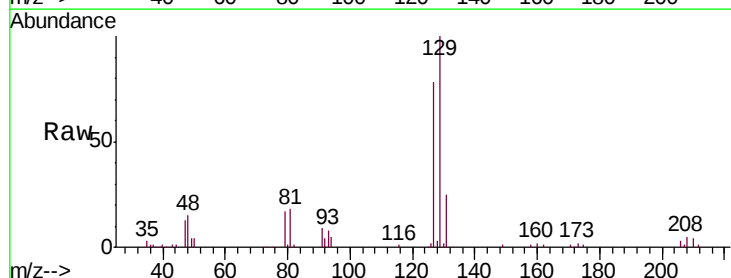
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

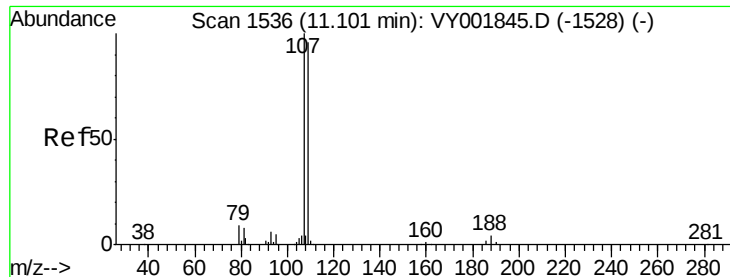
Tgt Ion: 43 Resp: 125114
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3



#60
Dibromochloromethane
Concen: 20.643 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 129 Resp: 37114
Ion Ratio Lower Upper
129 100
127 78.8 39.0 117.0

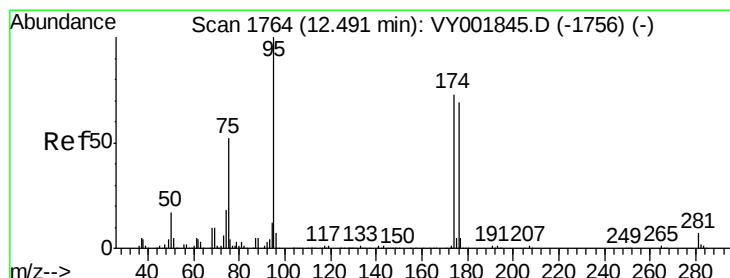
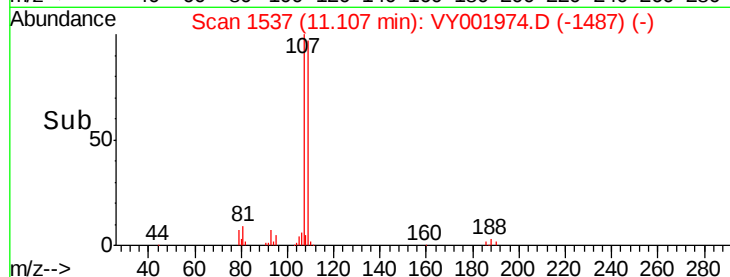
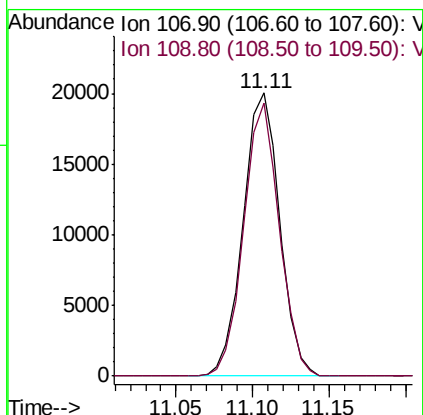
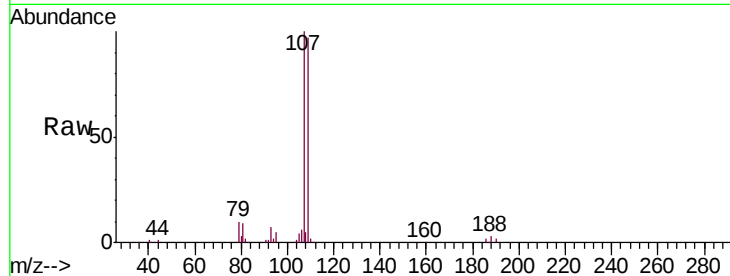




#61
 1,2-Dibromoethane
 Concen: 20.660 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

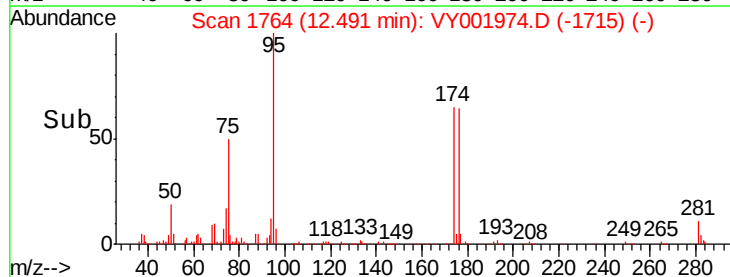
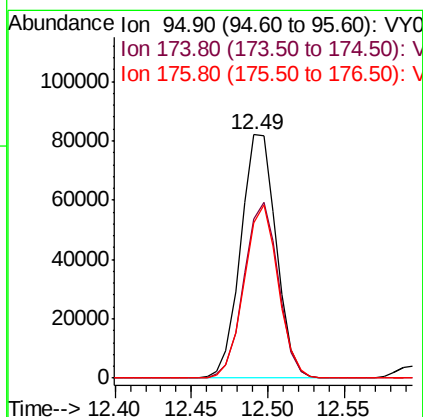
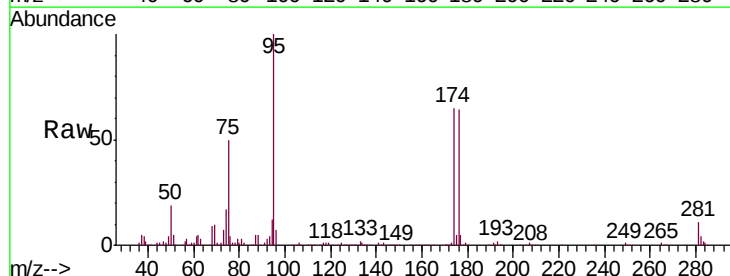
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tgt Ion: 107 Resp: 33391
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 52.283 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion: 95 Resp: 132083
 Ion Ratio Lower Upper
 95 100
 174 70.1 0.0 145.0
 176 68.4 0.0 137.4

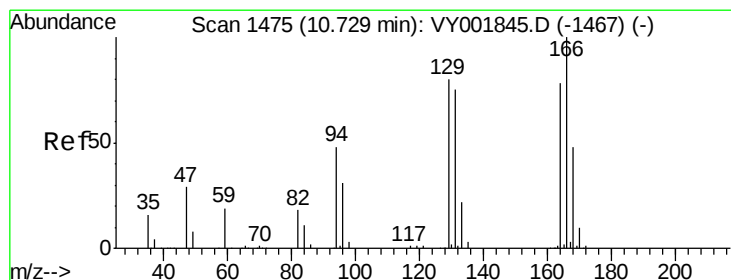
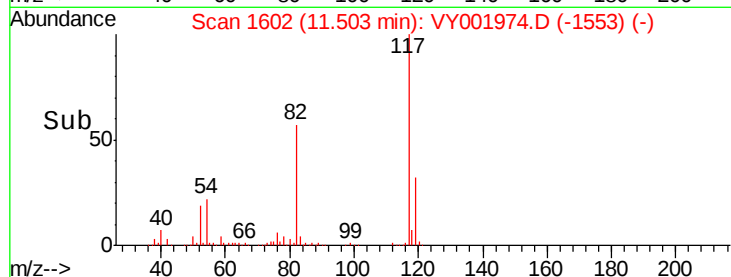
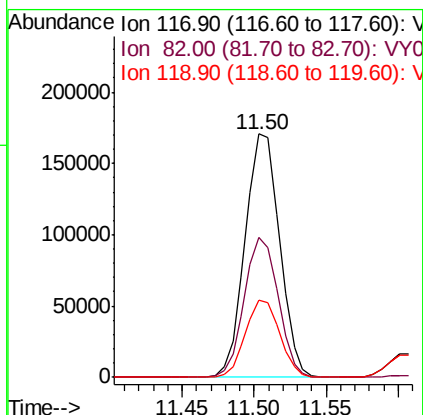
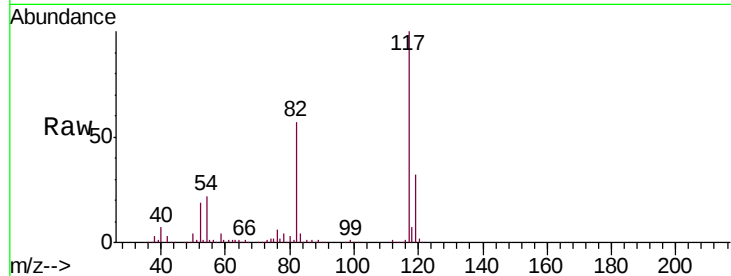




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

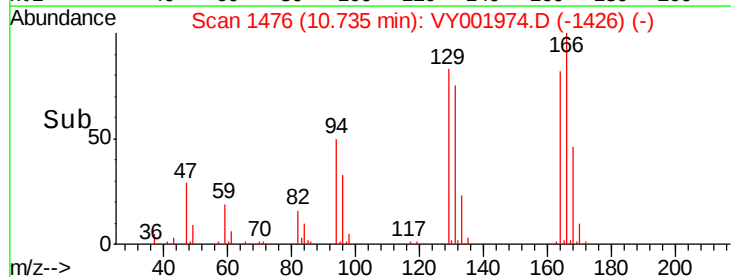
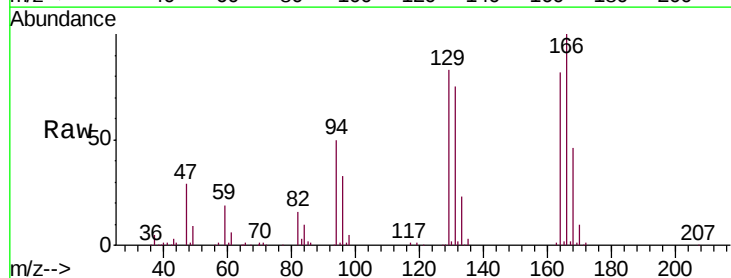
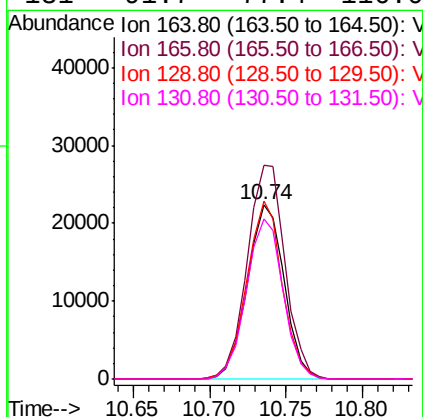
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tgt Ion:117 Resp: 282933
Ion Ratio Lower Upper
117 100
82 57.3 44.5 66.7
119 31.7 25.7 38.5



#64
Tetrachloroethene
Concen: 21.109 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion:164 Resp: 37454
Ion Ratio Lower Upper
164 100
166 122.5 102.6 154.0
129 102.0 82.3 123.5
131 91.7 77.4 116.0

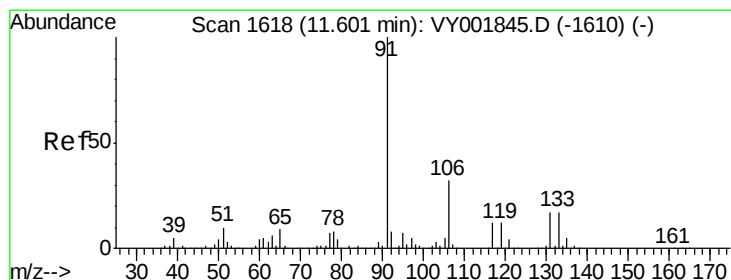
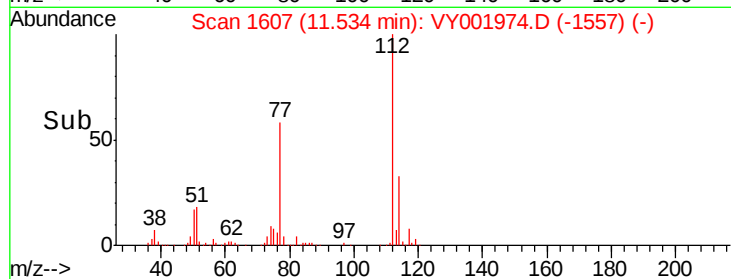
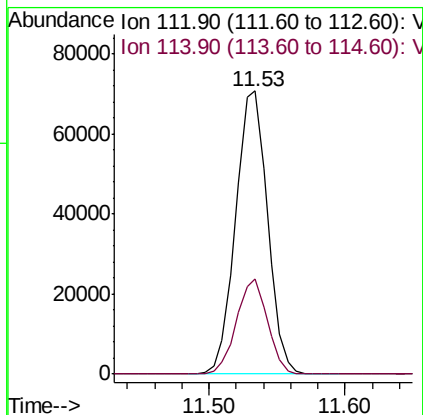
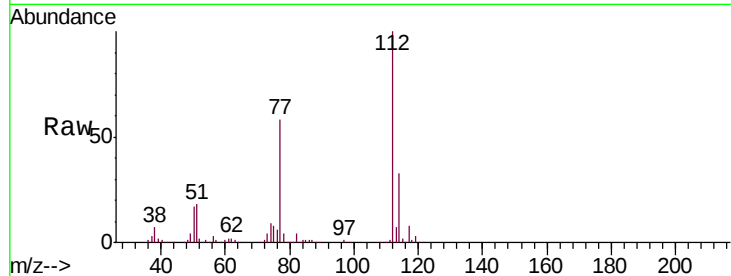




#65
Chlorobenzene
Concen: 20.525 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

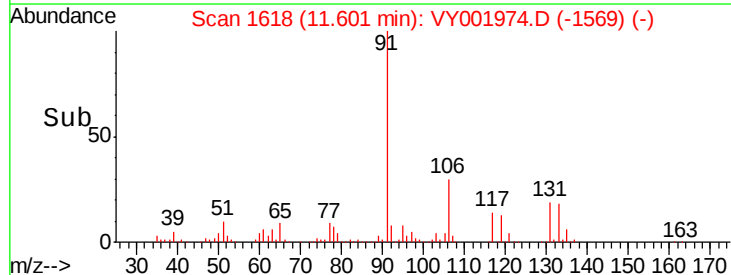
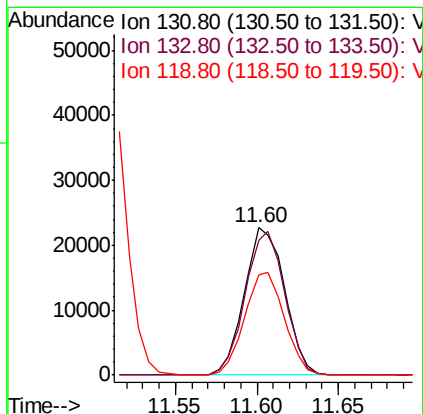
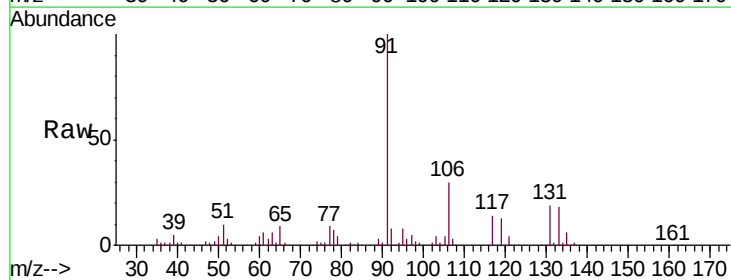
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

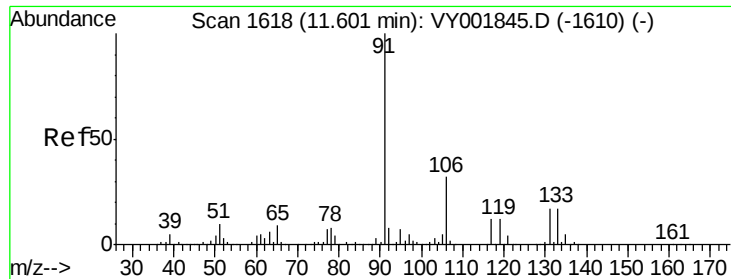
Tgt Ion:112 Resp: 115713
Ion Ratio Lower Upper
112 100
114 33.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.125 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion:131 Resp: 39055
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.3
119 68.9 34.5 103.6

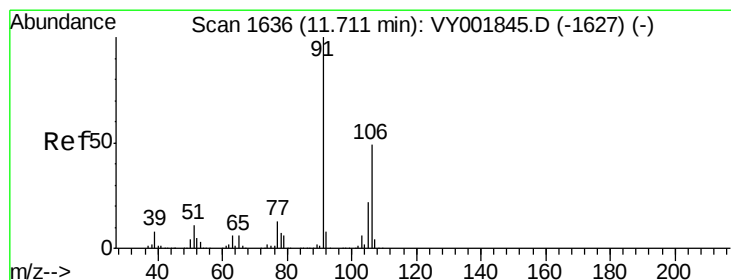
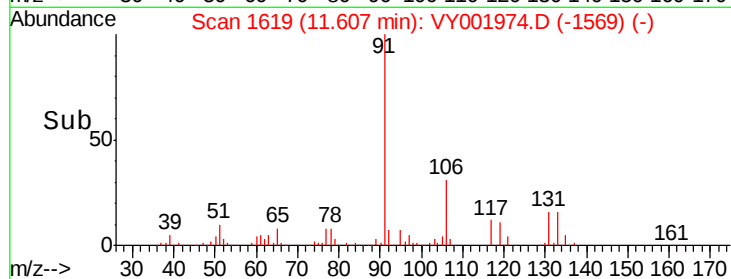
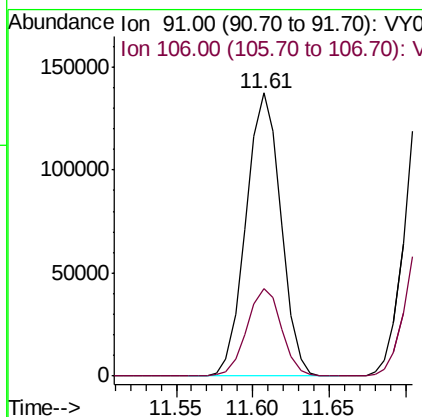
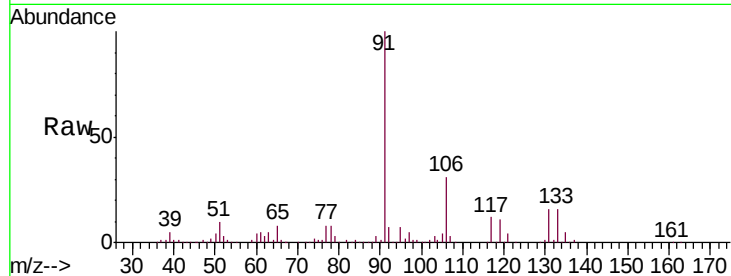




#67
Ethyl Benzene
Concen: 20.753 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

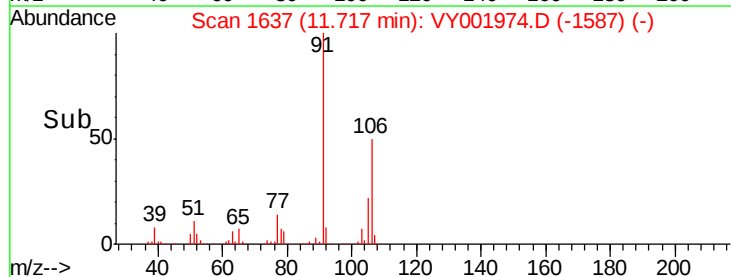
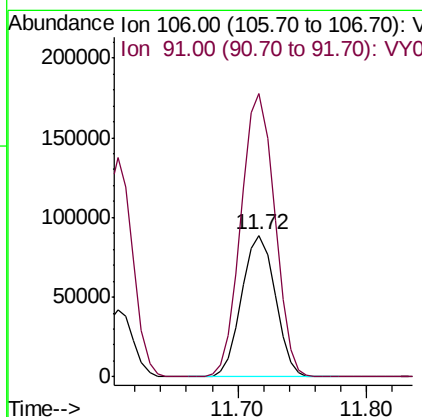
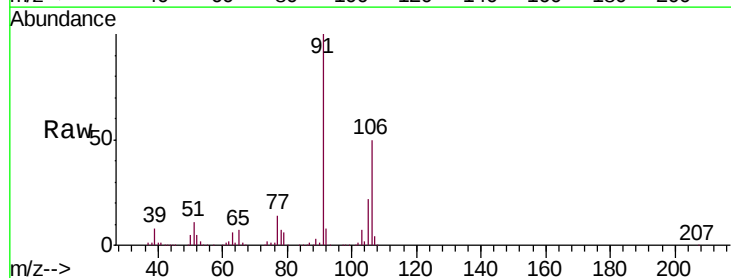
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

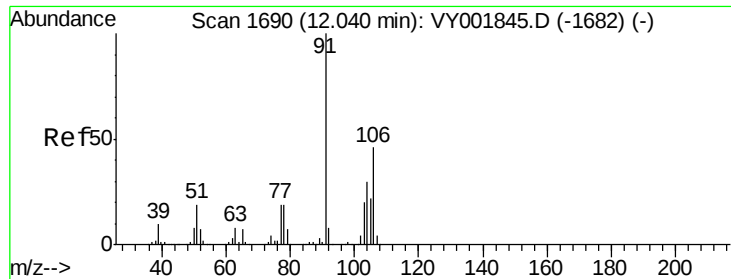
Tgt Ion: 91 Resp: 218200
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.2



#68
m/p-Xylenes
Concen: 41.247 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 106 Resp: 160333
Ion Ratio Lower Upper
106 100
91 201.4 161.3 241.9

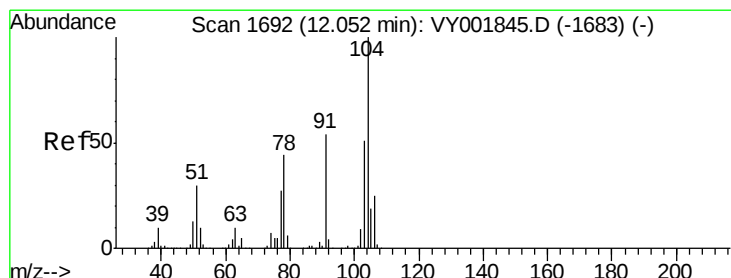
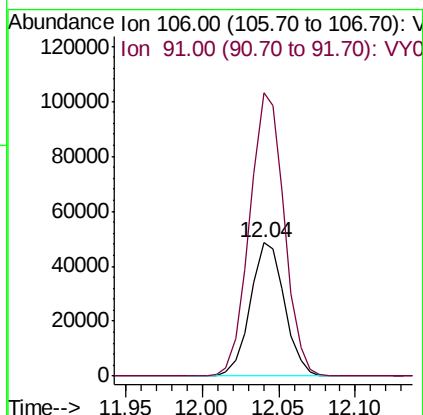
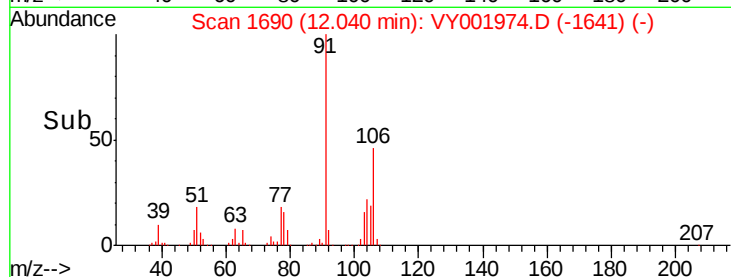
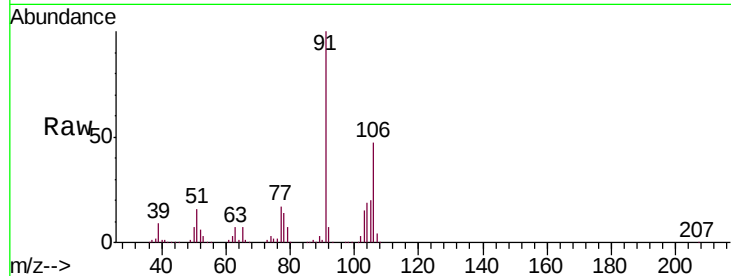




#69
o-Xylene
Concen: 20.512 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

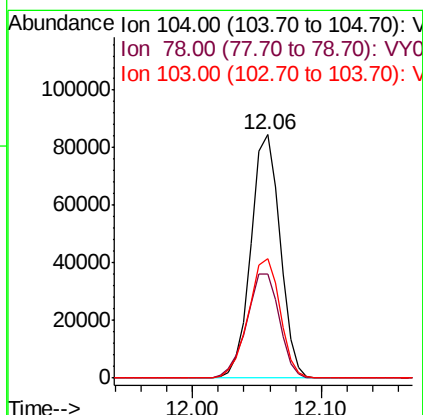
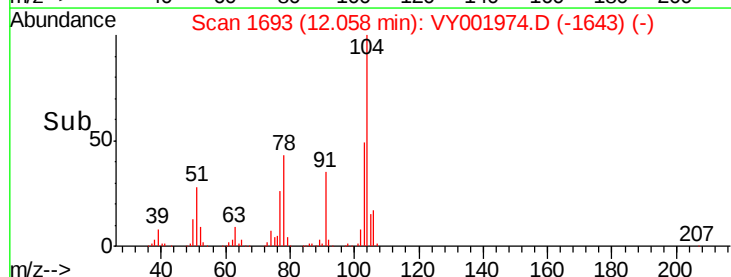
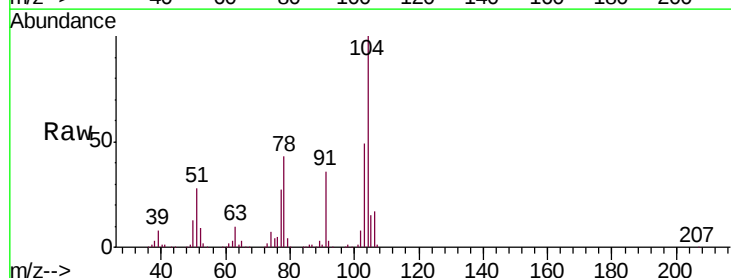
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBSD01

Tgt Ion:106 Resp: 75150
Ion Ratio Lower Upper
106 100
91 215.5 106.8 320.4



#70
Styrene
Concen: 21.026 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion:104 Resp: 131940
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 53.4 42.9 64.3

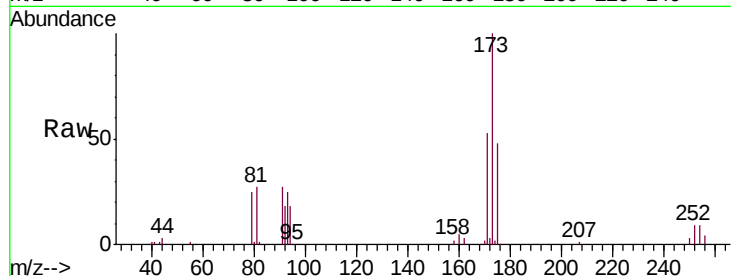




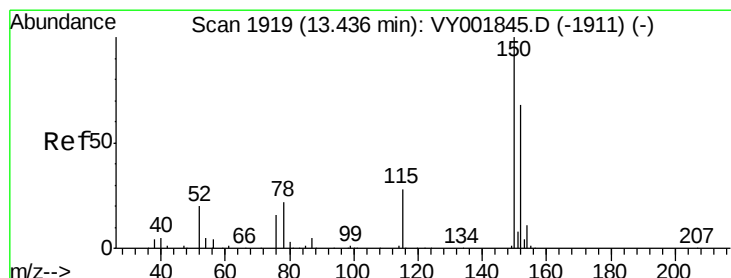
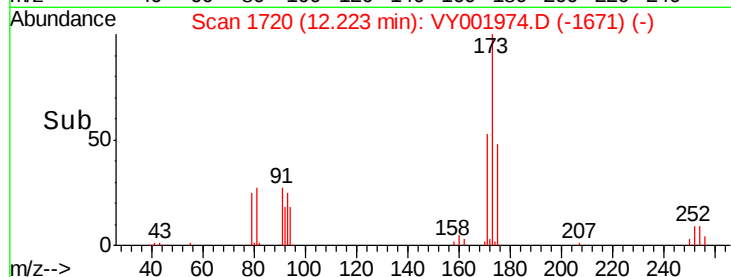
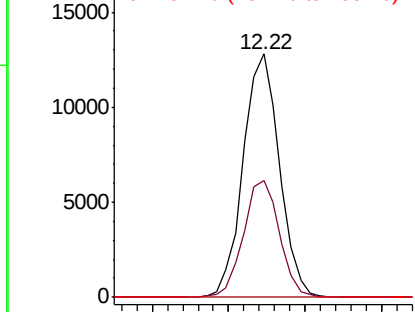
#71
Bromoform
Concen: 21.041 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tgt Ion:173 Resp: 21096
Ion Ratio Lower Upper
173 100
175 47.6 24.3 72.8
254 0.0 0.0 0.0

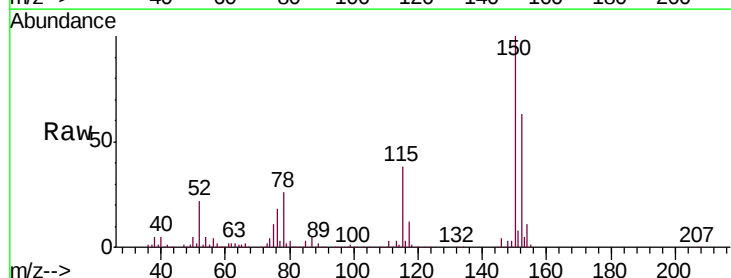


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

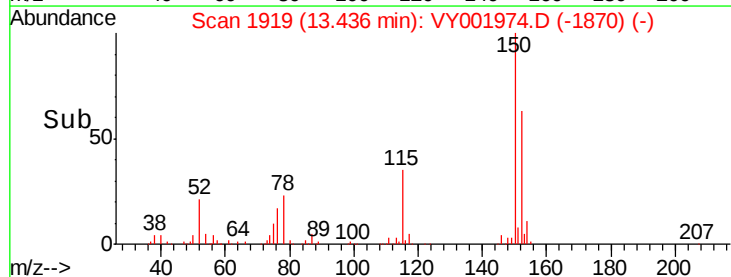
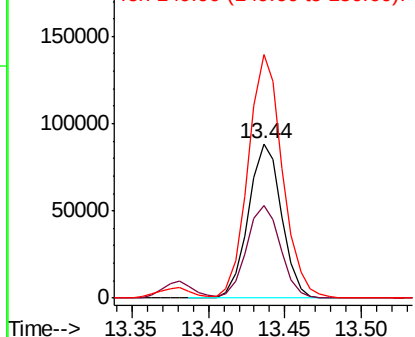


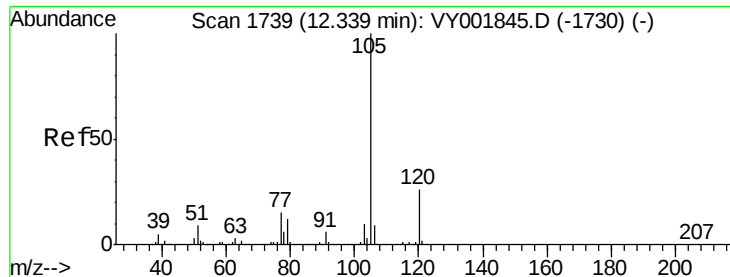
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion:152 Resp: 133244
Ion Ratio Lower Upper
152 100
115 61.1 29.9 89.7
150 162.8 0.0 340.6



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: 20.166 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

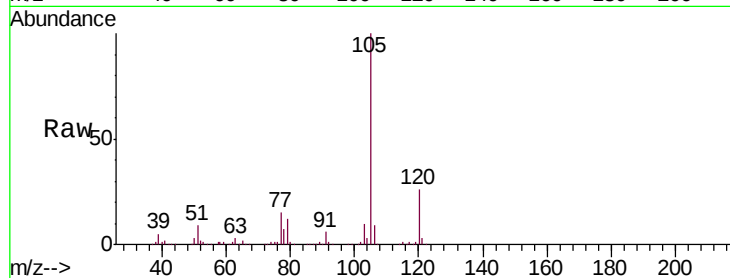
VY0316SBS01

Tgt Ion: 105 Resp: 205116

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.34

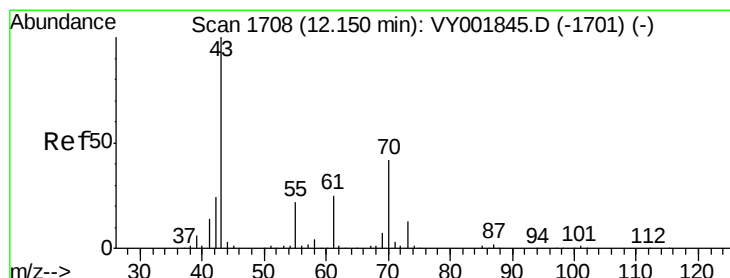
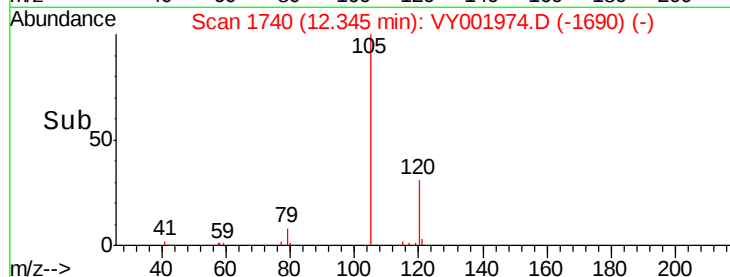
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.544 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Tgt Ion: 43 Resp: 61097

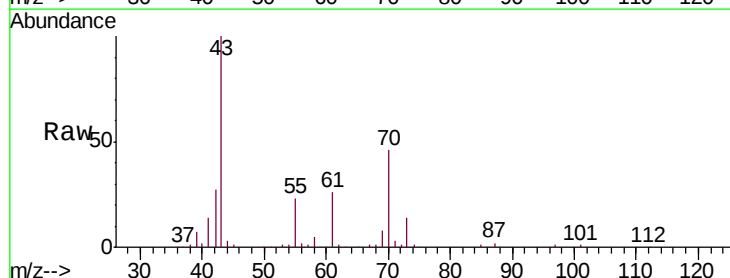
Ion Ratio Lower Upper

43 100

70 45.1 34.7 52.1

55 23.9 18.2 27.4

61 26.3 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

60000

50000

40000

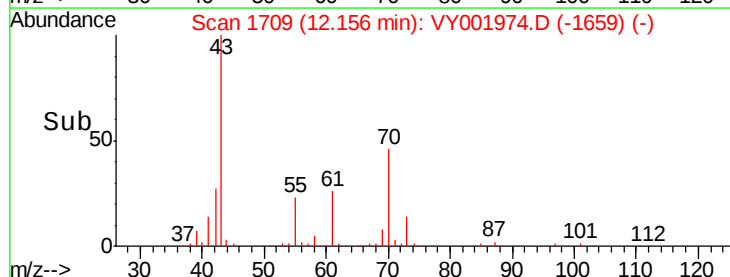
30000

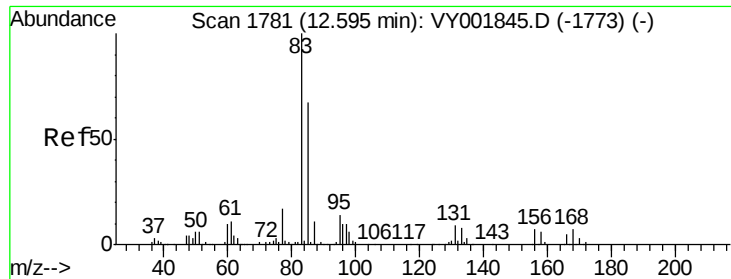
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.469 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

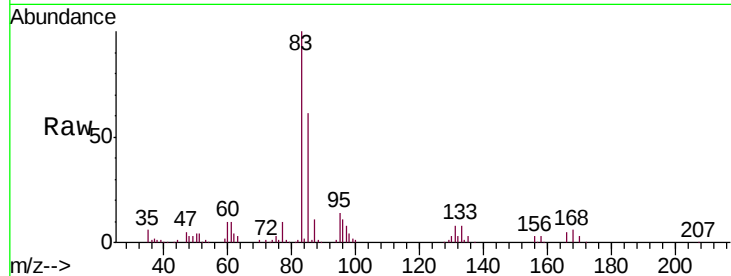
Tgt Ion: 83 Resp: 44898

Ion Ratio Lower Upper

83 100

131 9.4 4.6 13.8

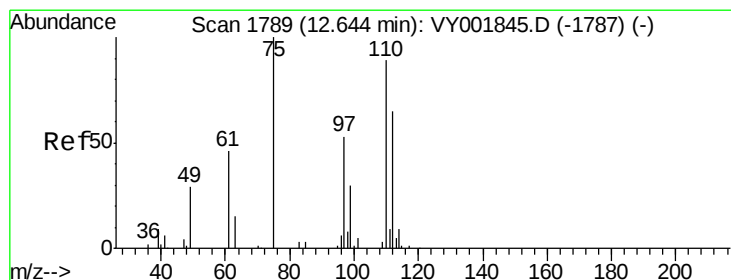
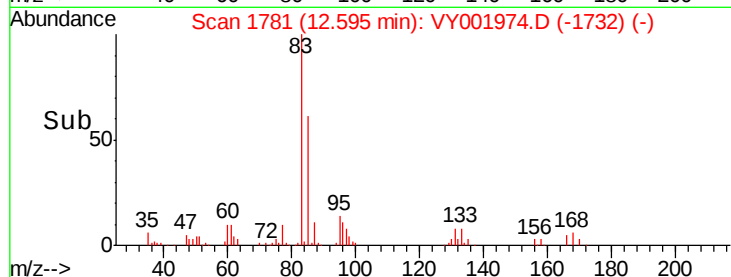
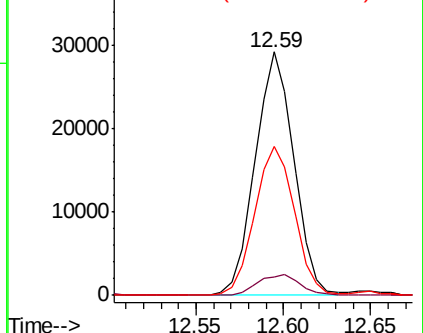
85 62.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 36.602 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VY001974.D

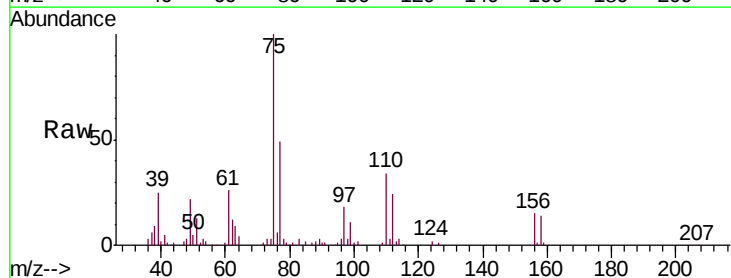
Acq: 16 Mar 2020 11:54

Tgt Ion: 75 Resp: 57869

Ion Ratio Lower Upper

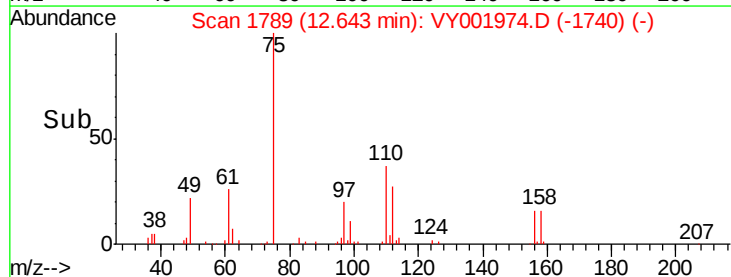
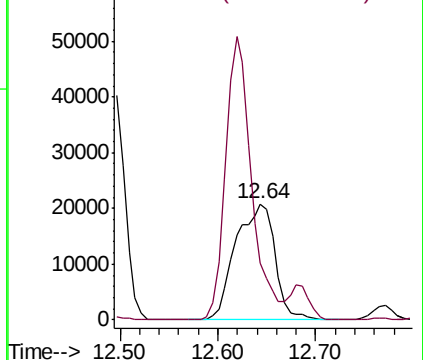
75 100

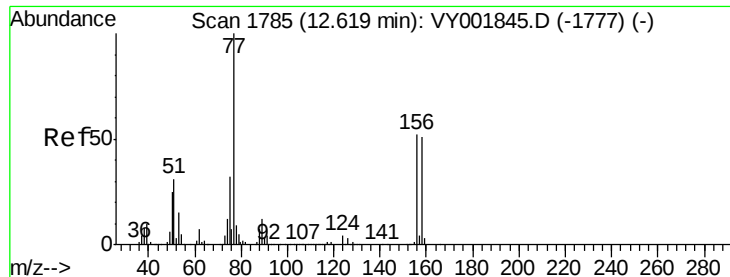
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 20.318 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

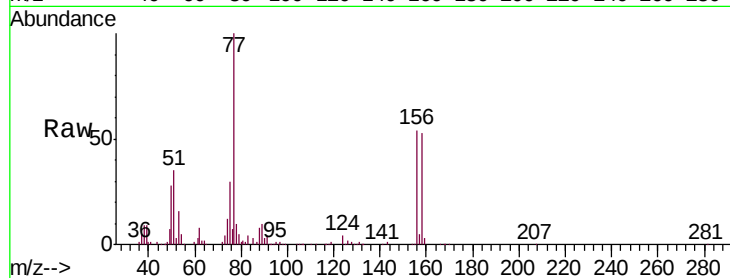
Tgt Ion:156 Resp: 43786

Ion Ratio Lower Upper

156 100

77 212.0 109.0 327.0

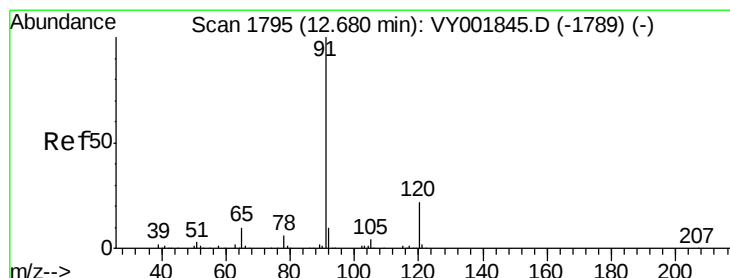
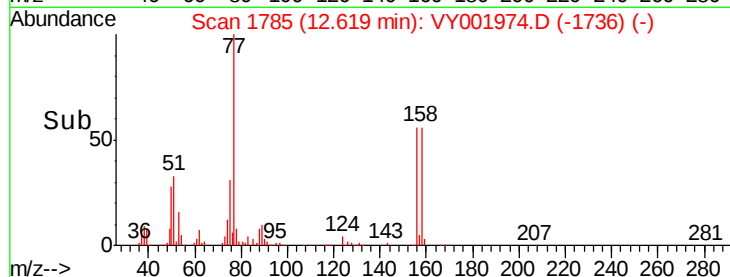
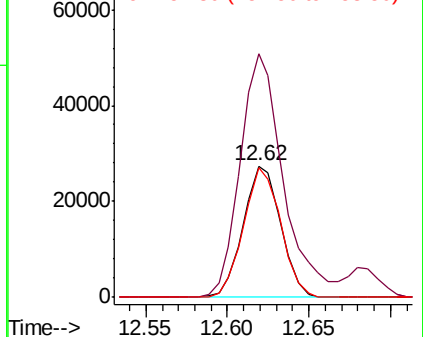
158 98.0 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.331 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY001974.D

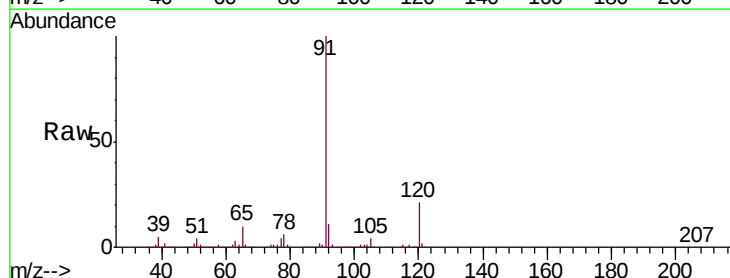
Acq: 16 Mar 2020 11:54

Tgt Ion: 91 Resp: 255132

Ion Ratio Lower Upper

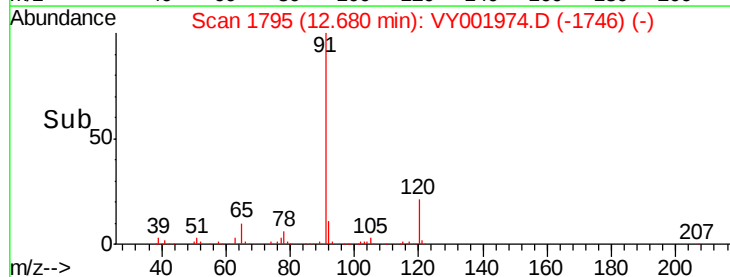
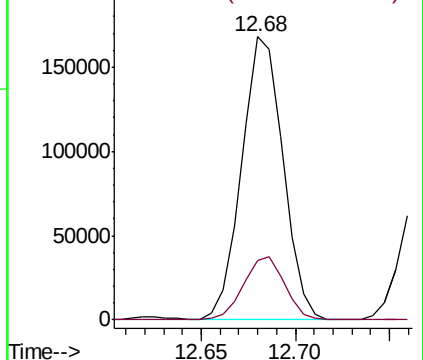
91 100

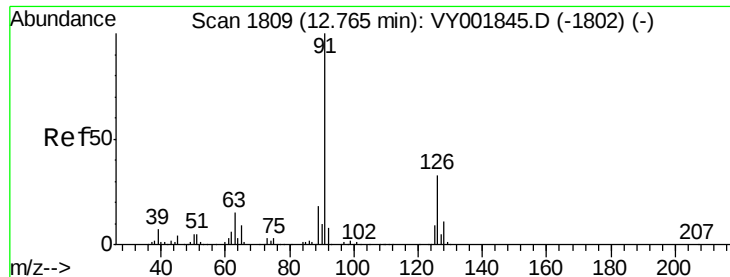
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.537 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

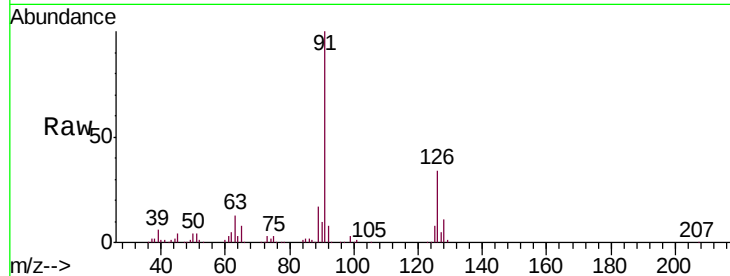
VY0316SBS01

Tgt Ion: 91 Resp: 142380

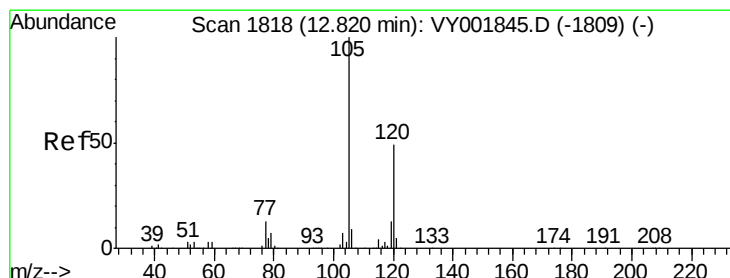
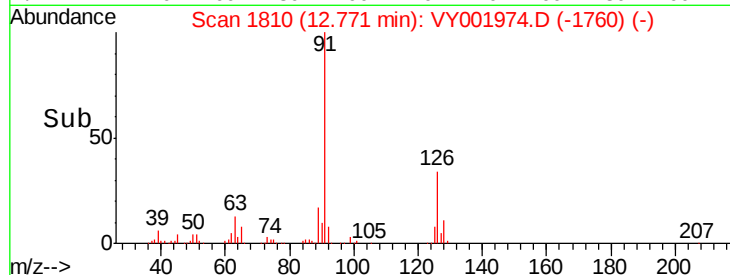
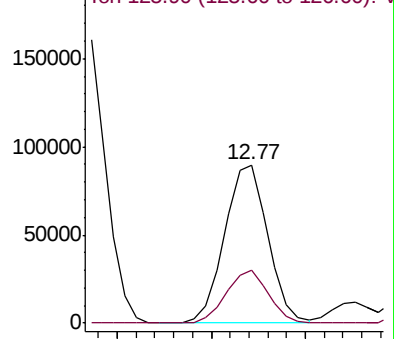
Ion Ratio Lower Upper

91 100

126 32.6 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.408 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001974.D

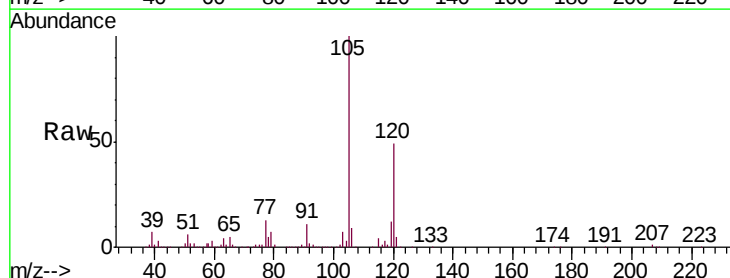
Acq: 16 Mar 2020 11:54

Tgt Ion: 105 Resp: 170888

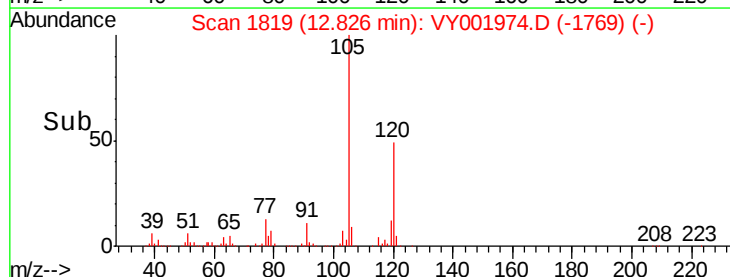
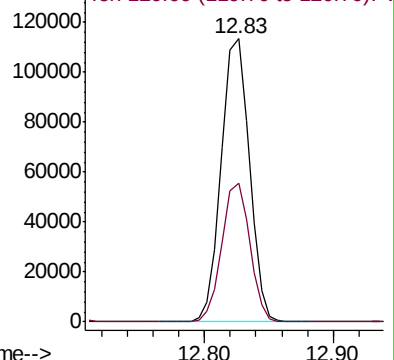
Ion Ratio Lower Upper

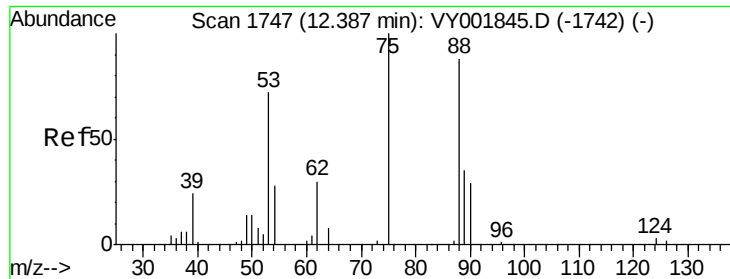
105 100

120 48.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.359 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

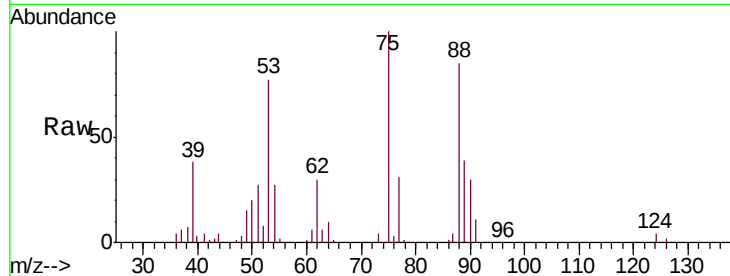
Tgt Ion: 75 Resp: 15935

Ion Ratio Lower Upper

75 100

53 82.6 65.4 98.0

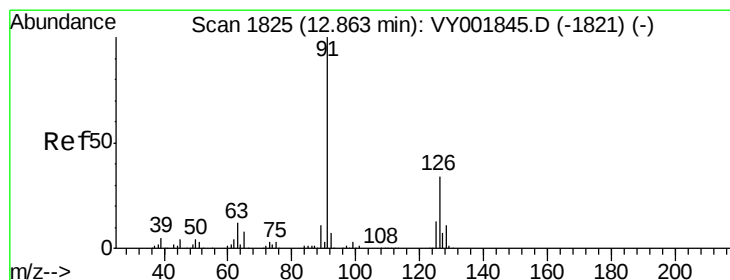
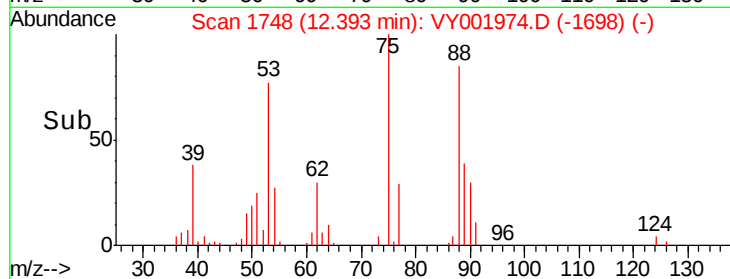
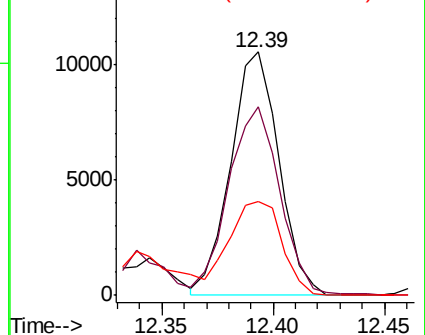
89 42.2 36.0 54.0



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: 20.497 ug/l

RT: 12.87 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VY001974.D

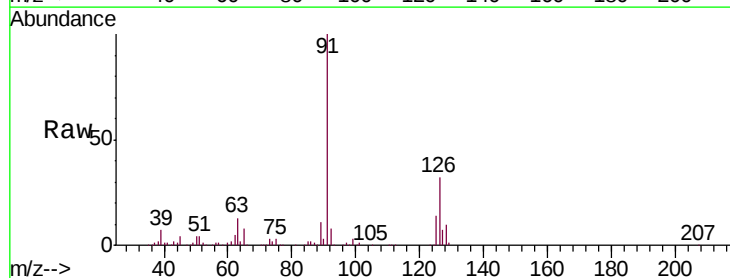
Acq: 16 Mar 2020 11:54

Tgt Ion: 91 Resp: 147959

Ion Ratio Lower Upper

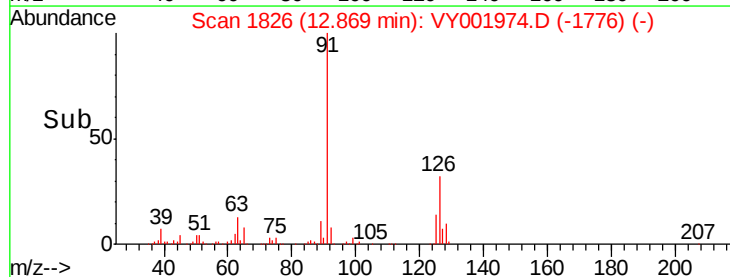
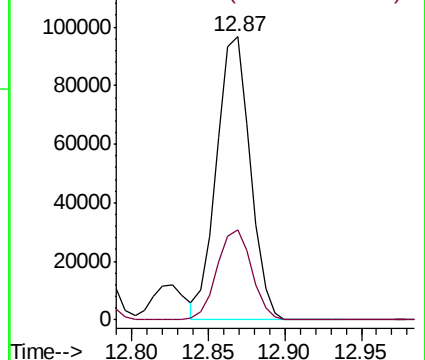
91 100

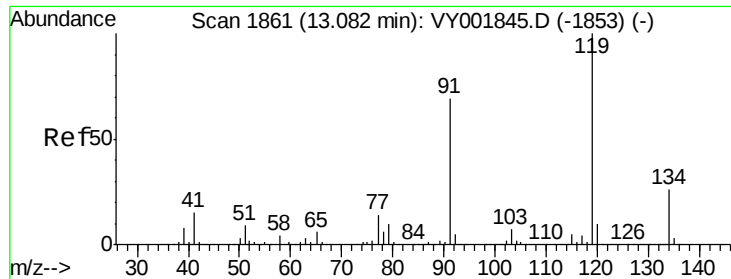
126 32.7 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

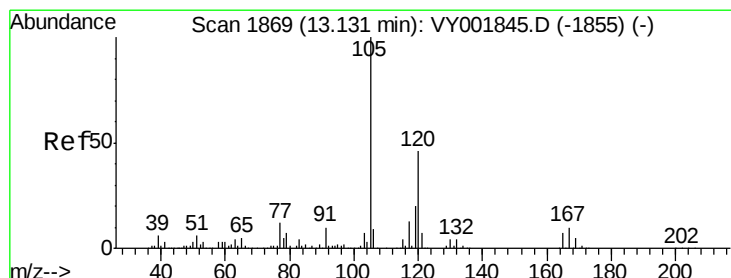
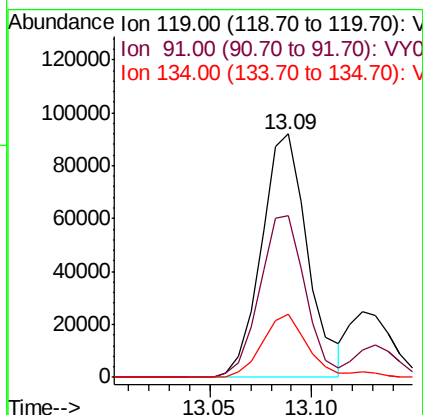
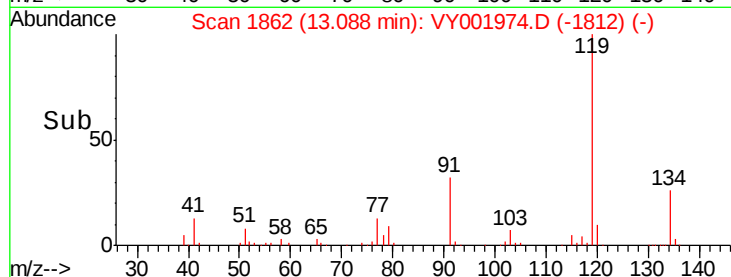
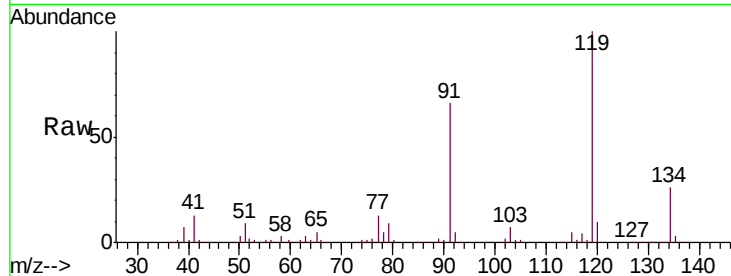




#83
tert-Butylbenzene
Concen: 20.917 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

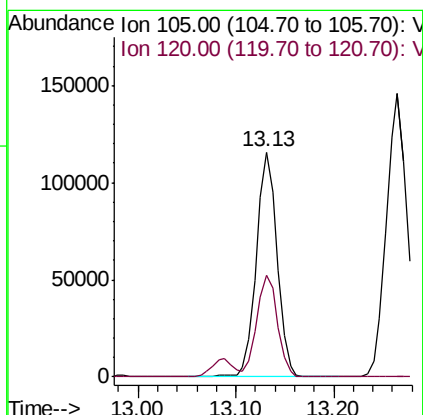
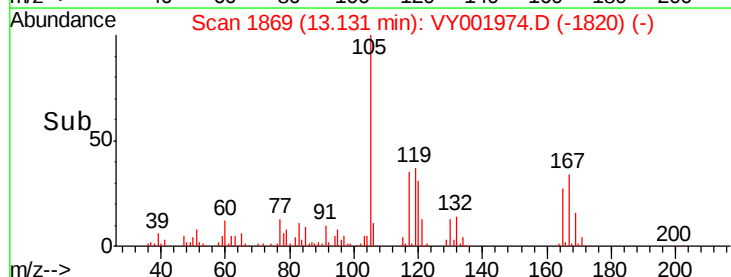
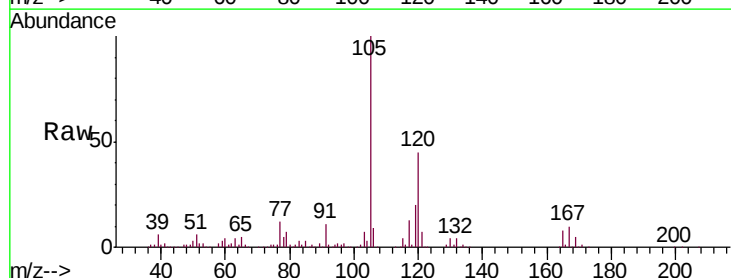
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

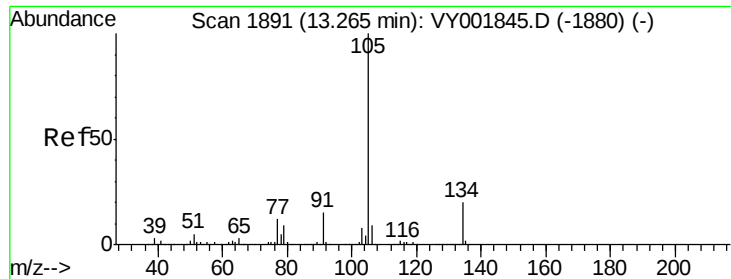
Tgt Ion:119 Resp: 145476
Ion Ratio Lower Upper
119 100
91 65.5 34.0 101.8
134 26.3 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 20.445 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion:105 Resp: 169898
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 20.799 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

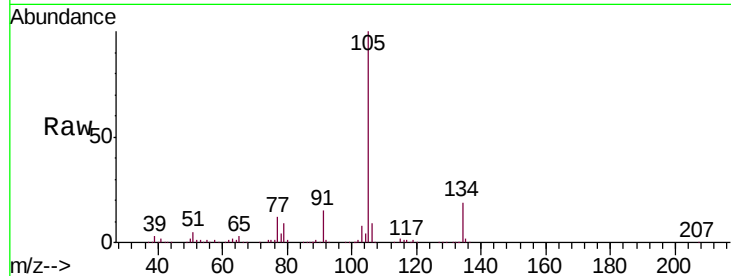
VY0316SBS01

Tgt Ion:105 Resp: 213216

Ion Ratio Lower Upper

105 100

134 19.8 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

100000

50000

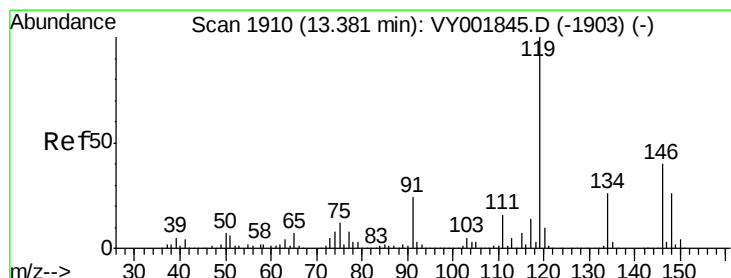
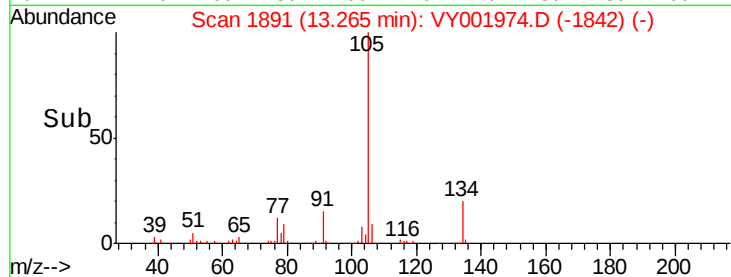
0

13.27

13.20

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 20.963 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

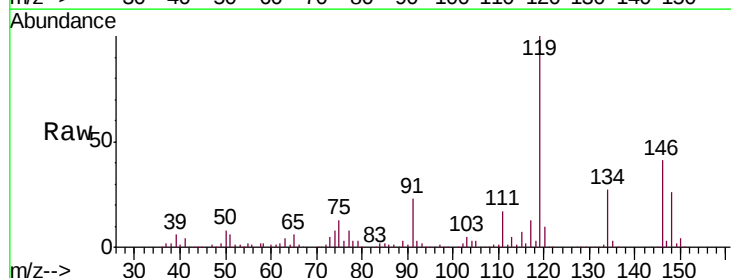
Tgt Ion:119 Resp: 185378

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 23.2 11.9 35.7



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

150000

100000

50000

0

13.38

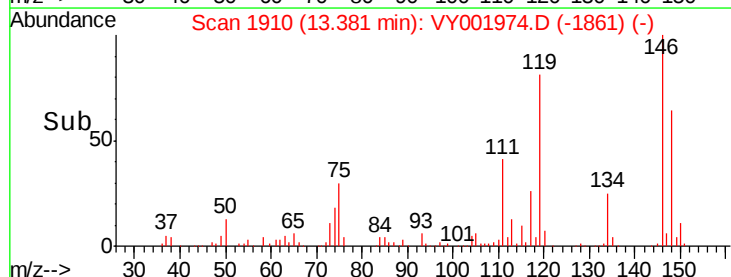
13.30

13.35

13.40

13.45

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.240 ug/l

RT: 13.37 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

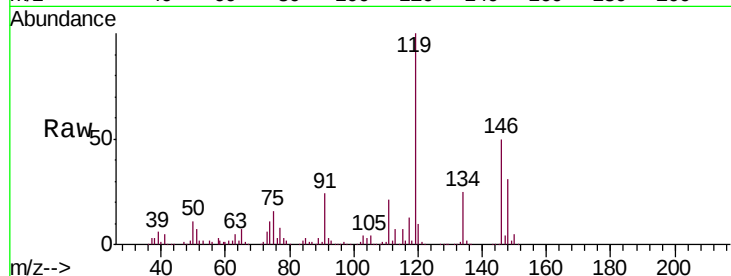
Tgt Ion:146 Resp: 85471

Ion Ratio Lower Upper

146 100

111 41.9 20.8 62.5

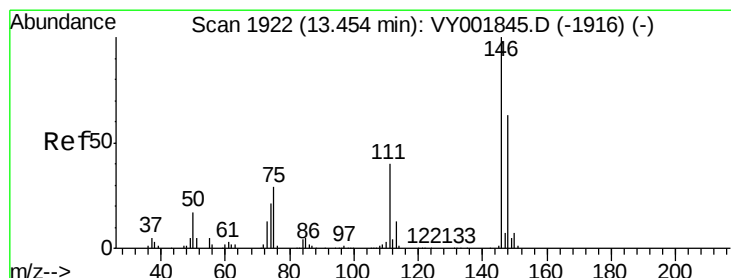
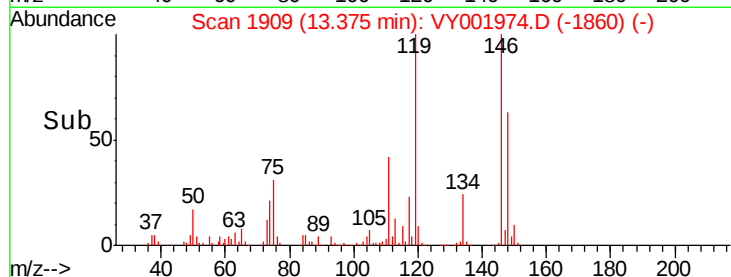
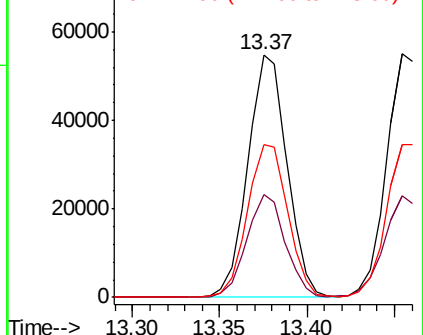
148 64.9 31.4 94.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.027 ug/l

RT: 13.45 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

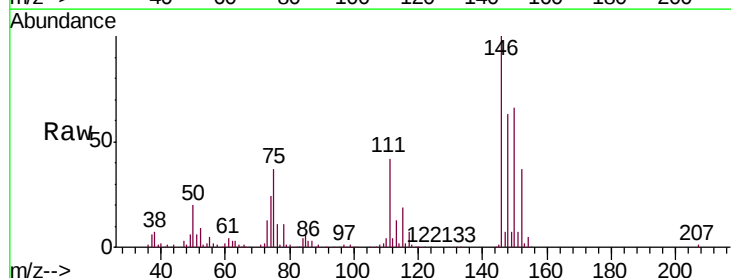
Tgt Ion:146 Resp: 85797

Ion Ratio Lower Upper

146 100

111 42.5 20.0 60.0

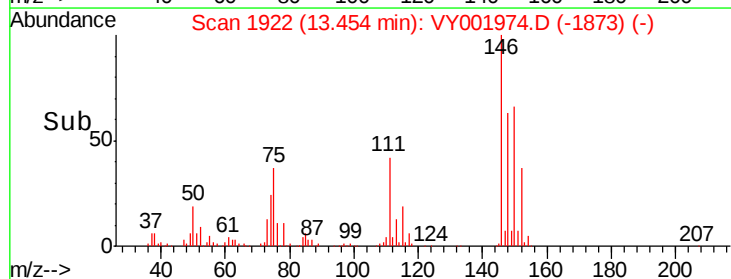
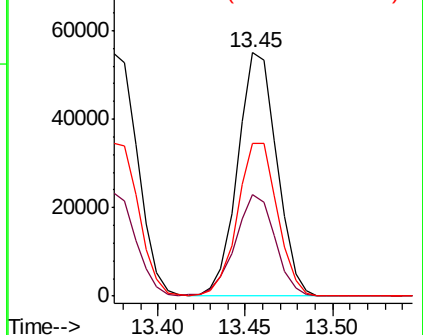
148 64.0 31.5 94.5

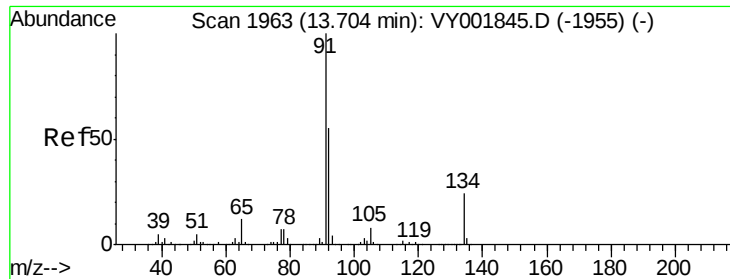


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.792 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

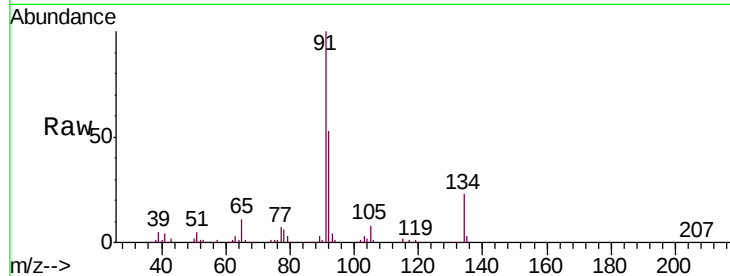
Tgt Ion: 91 Resp: 190765

Ion Ratio Lower Upper

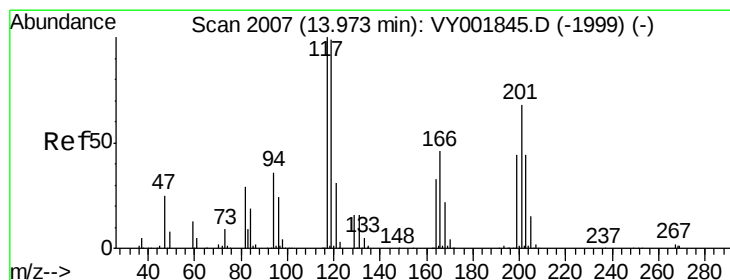
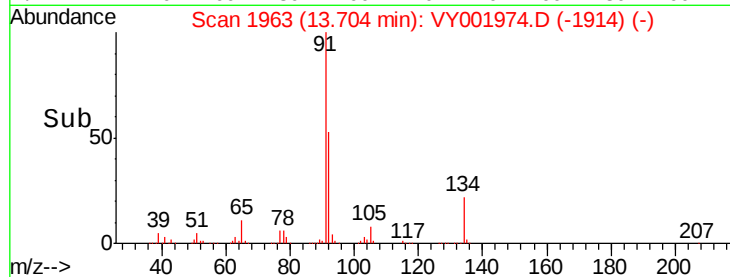
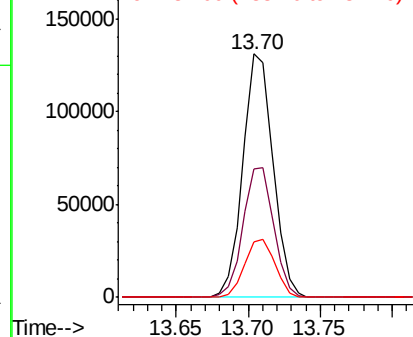
91 100

92 53.9 27.5 82.4

134 24.1 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 92.00 (91.70 to 92.70): VY0
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.253 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VY001974.D

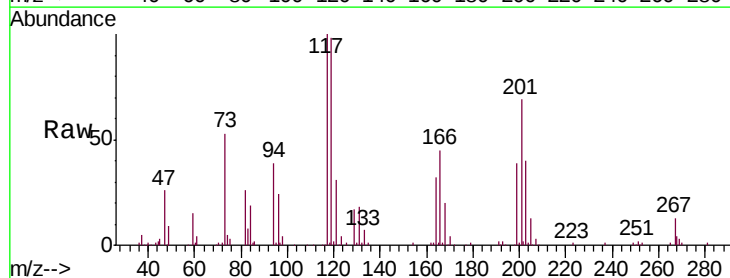
Acq: 16 Mar 2020 11:54

Tgt Ion: 117 Resp: 33788

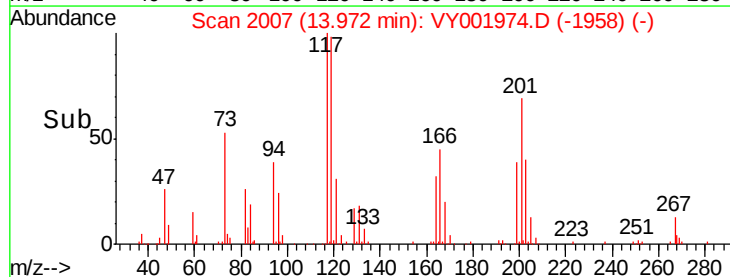
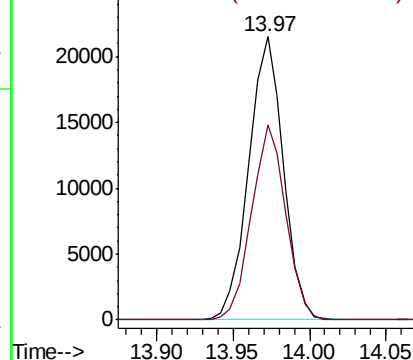
Ion Ratio Lower Upper

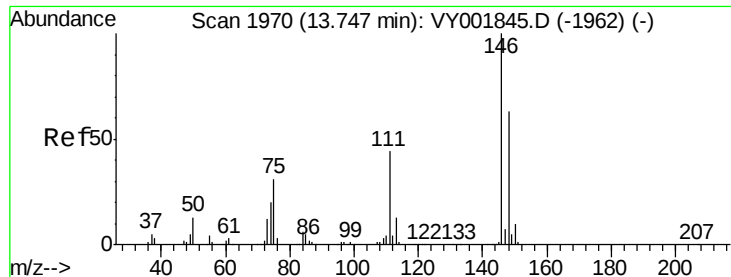
117 100

201 68.1 32.5 97.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.633 ug/l

RT: 13.75 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

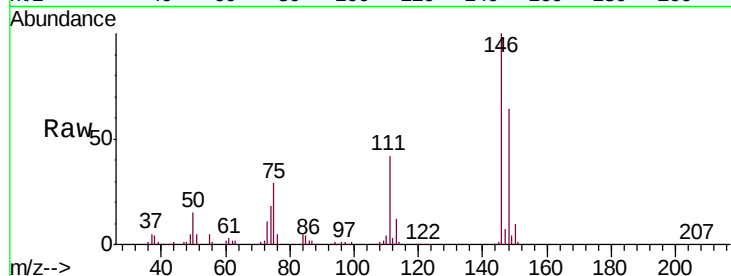
Tgt Ion:146 Resp: 79160

Ion Ratio Lower Upper

146 100

111 42.4 21.5 64.5

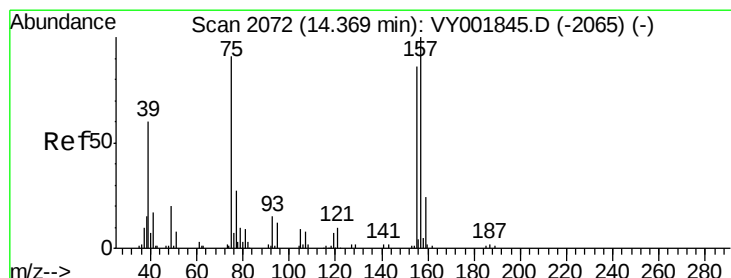
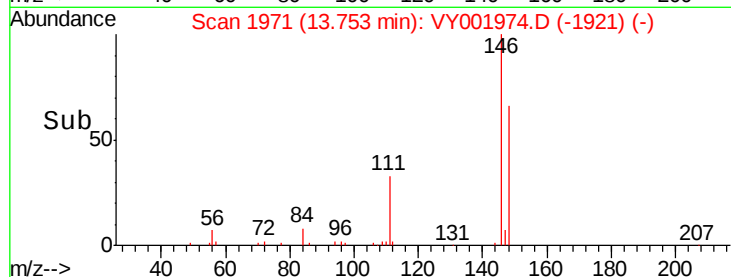
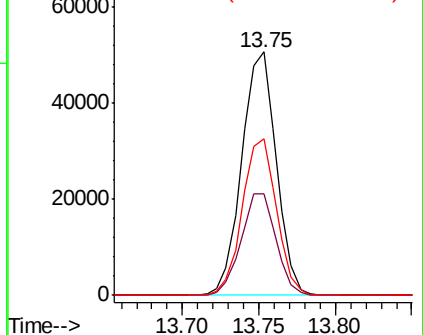
148 63.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.075 ug/l

RT: 14.37 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

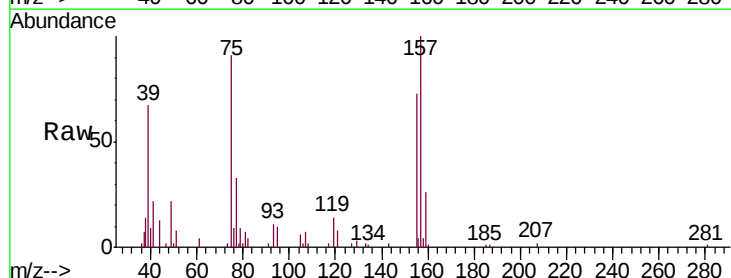
Tgt Ion: 75 Resp: 6529

Ion Ratio Lower Upper

75 100

155 85.5 42.9 128.7

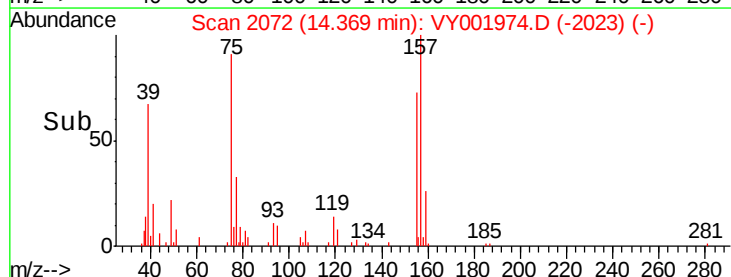
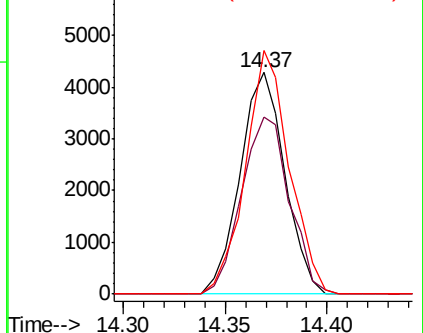
157 107.7 53.1 159.4

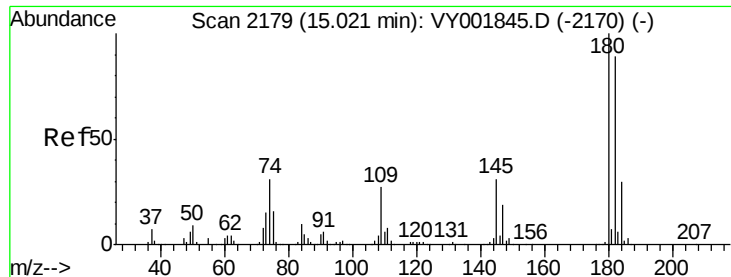


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

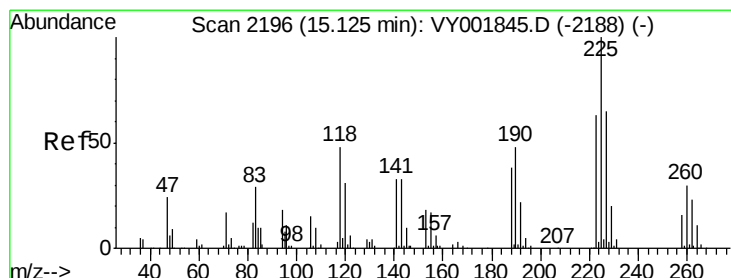
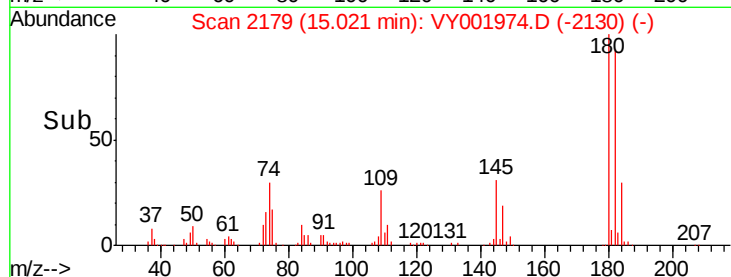
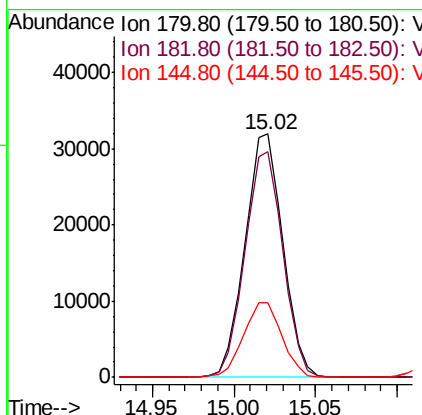
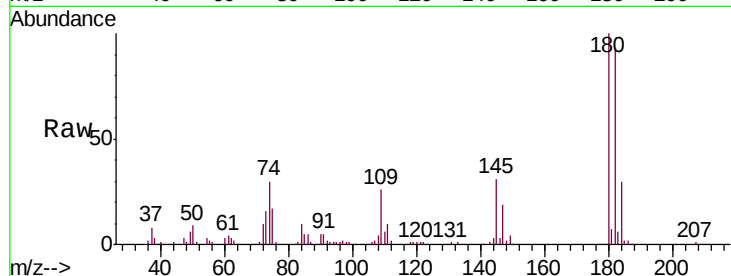




#93
 1,2,4-Trichlorobenzene
 Concen: 20.808 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

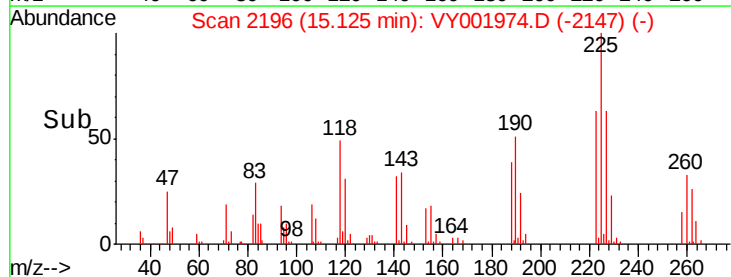
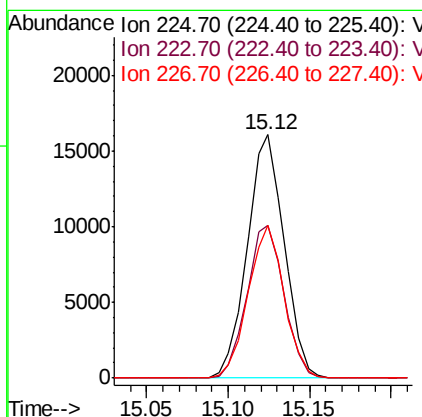
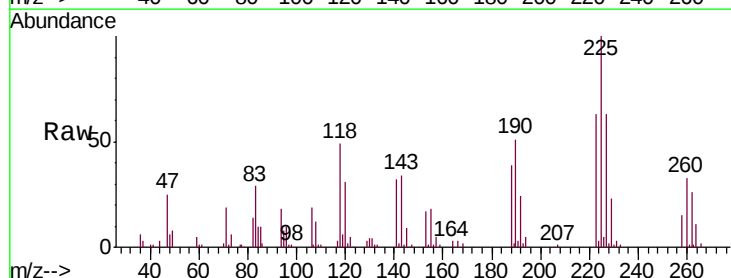
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

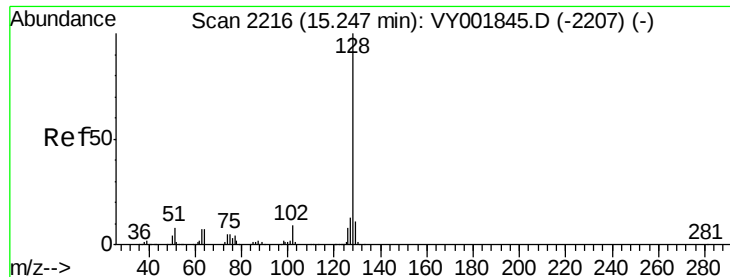
Tgt Ion:180 Resp: 51771
 Ion Ratio Lower Upper
 180 100
 182 92.7 46.1 138.3
 145 31.2 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 20.832 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion:225 Resp: 25269
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.5 94.5
 227 60.9 31.9 95.5





#95

Naphthalene

Concen: 20.068 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

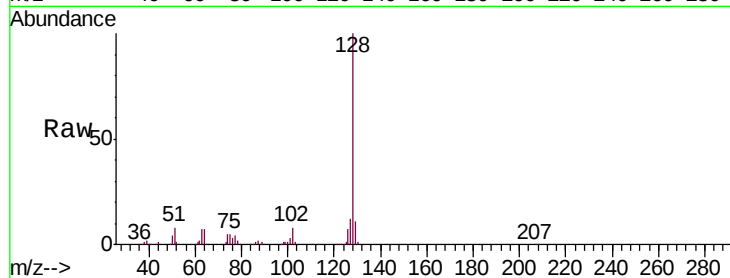
Tgt Ion:128 Resp: 118430

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

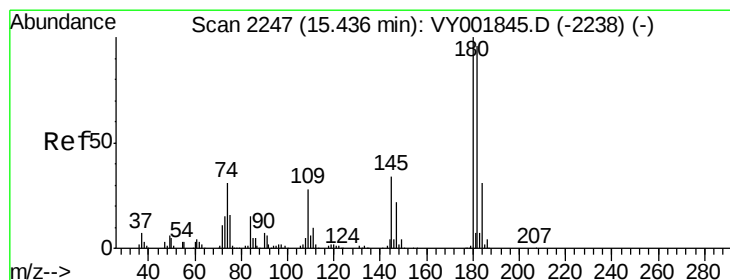
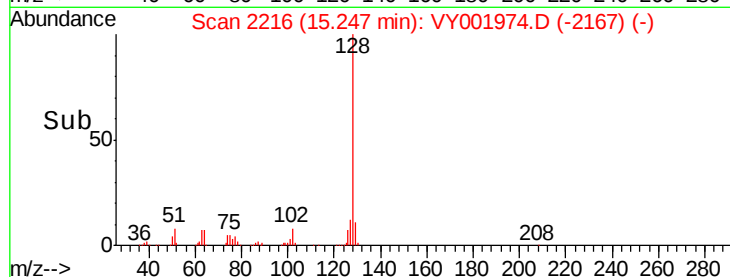
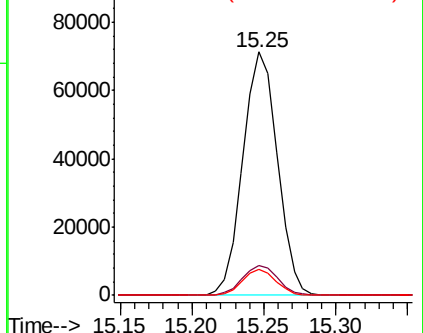
129 10.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.762 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

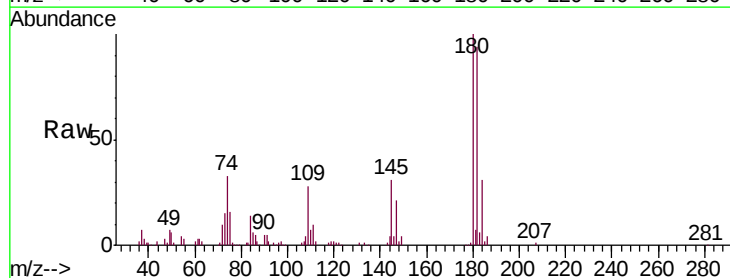
Tgt Ion:180 Resp: 45505

Ion Ratio Lower Upper

180 100

182 95.3 47.6 142.9

145 33.4 16.8 50.3



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

