

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001851.D
 Acq On : 04 Mar 2020 14:23
 Operator : SY/MD
 Sample : VY0304SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBSD01

Quant Time: Mar 05 04:09:37 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	7.81	168	183566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	329088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	139641	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	104332	53.24	ug/l	-0.01
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	7.74	113	95420	53.10	ug/l	-0.01
Spiked Amount			Recovery	=	106.20%	
50) Toluene-d8	10.19	98	404760	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.49	95	140081	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	35031	20.674	ug/l	95
3) Chloromethane	2.12	50	47676	20.869	ug/l	98
4) Vinyl Chloride	2.26	62	48049	20.678	ug/l	96
5) Bromomethane	2.65	94	31911	20.001	ug/l	91
6) Chloroethane	2.80	64	29813	20.424	ug/l	92
7) Trichlorofluoromethane	3.13	101	64444	20.449	ug/l	99
8) Diethyl Ether	3.54	74	27031	21.763	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	42870	21.150	ug/l	98
10) Methyl Iodide	4.11	142	47409	20.225	ug/l	98
11) Tert butyl alcohol	4.98	59	27080	121.150	ug/l	98
12) 1,1-Dichloroethene	3.89	96	42916	21.028	ug/l	99
13) Acrolein	3.74	56	30725	111.572	ug/l	97
14) Allyl chloride	4.50	41	77223	21.343	ug/l	99
15) Acrylonitrile	5.19	53	70444	106.135	ug/l	100
16) Acetone	3.96	43	58820	103.052	ug/l	96
17) Carbon Disulfide	4.21	76	140088	20.419	ug/l	100
18) Methyl Acetate	4.50	43	31179	21.260	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	117633	21.269	ug/l	100
20) Methylene Chloride	4.74	84	51291	20.967	ug/l	92
21) trans-1,2-Dichloroethene	5.24	96	48285	20.844	ug/l	96
22) Diisopropyl ether	6.14	45	155570	20.976	ug/l	99
23) Vinyl Acetate	6.08	43	517024	106.338	ug/l	99
24) 1,1-Dichloroethane	6.05	63	83128	20.698	ug/l	99
25) 2-Butanone	7.01	43	91430	105.334	ug/l	97
26) 2,2-Dichloropropane	7.00	77	68690	20.837	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	53796	21.349	ug/l	99
28) Bromochloromethane	7.35	49	36747	20.299	ug/l	98
29) Tetrahydrofuran	7.36	42	61706	107.053	ug/l	100
30) Chloroform	7.52	83	78429	20.784	ug/l	98
31) Cyclohexane	7.80	56	89070	20.683	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	66855	21.021	ug/l	98
36) 1,1-Dichloropropene	7.94	75	66947	21.140	ug/l	99
37) Ethyl Acetate	7.10	43	40971	22.260	ug/l	99
38) Carbon Tetrachloride	7.91	117	56758	20.980	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	87526	20.838	ug/l	96
40) Benzene	8.18	78	197119	21.000	ug/l	99
41) Methacrylonitrile	7.36	41	54389	65.661	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	52848	21.849	ug/l	99
43) Isopropyl Acetate	8.28	43	74878	21.488	ug/l	99
44) Trichloroethene	8.96	130	47789	20.905	ug/l	94
45) 1,2-Dichloropropane	9.23	63	50747	21.507	ug/l	98
46) Dibromomethane	9.32	93	26198	21.545	ug/l	95
47) Bromodichloromethane	9.51	83	59591	21.068	ug/l	96
48) Methyl methacrylate	9.30	41	34454	22.282	ug/l	97
49) 1,4-Dioxane	9.31	88	6589	395.460	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	194423	108.321	ug/l	99
52) Toluene	10.25	92	121542	21.315	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	66603	21.613	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	78639	21.436	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	37529	21.089	ug/l	96
56) Ethyl methacrylate	10.52	69	56661	21.723	ug/l	96
57) 1,3-Dichloropropane	10.80	76	68013	21.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	140853	140.378	ug/l	100
59) 2-Hexanone	10.84	43	139864	109.175	ug/l	99
60) Dibromochloromethane	10.99	129	39880	21.268	ug/l	98
61) 1,2-Dibromoethane	11.10	107	36552	21.684	ug/l	99
64) Tetrachloroethene	10.73	164	38376	20.589	ug/l	97
65) Chlorobenzene	11.52	112	123742	20.895	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	41190	21.210	ug/l	100
67) Ethyl Benzene	11.60	91	232126	21.017	ug/l	98
68) m/p-Xylenes	11.71	106	172419	42.225	ug/l	100
69) o-Xylene	12.03	106	79723	20.715	ug/l	96
70) Styrene	12.05	104	140964	21.385	ug/l	99
71) Bromoform	12.22	173	21858	20.754	ug/l #	98
73) Isopropylbenzene	12.34	105	220061	20.644	ug/l	100
74) N-amyl acetate	12.15	43	68781	20.994	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	48036	20.896	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	60104	36.274	ug/l #	100
77) Bromobenzene	12.61	156	46502	20.590	ug/l	99
78) n-propylbenzene	12.68	91	274771	20.893	ug/l	99
79) 2-Chlorotoluene	12.77	91	148582	20.450	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	182829	20.834	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	16637	20.282	ug/l	96
82) 4-Chlorotoluene	12.86	91	159438	21.076	ug/l	99
83) tert-Butylbenzene	13.08	119	153098	21.004	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	184356	21.168	ug/l	100
85) sec-Butylbenzene	13.26	105	227920	21.214	ug/l	100
86) p-Isopropyltoluene	13.38	119	196090	21.158	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	91828	20.749	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	93853	20.903	ug/l	99
89) n-Butylbenzene	13.70	91	203085	21.121	ug/l	99
90) Hexachloroethane	13.97	117	36161	20.683	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	85806	21.341	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7595	21.173	ug/l	96

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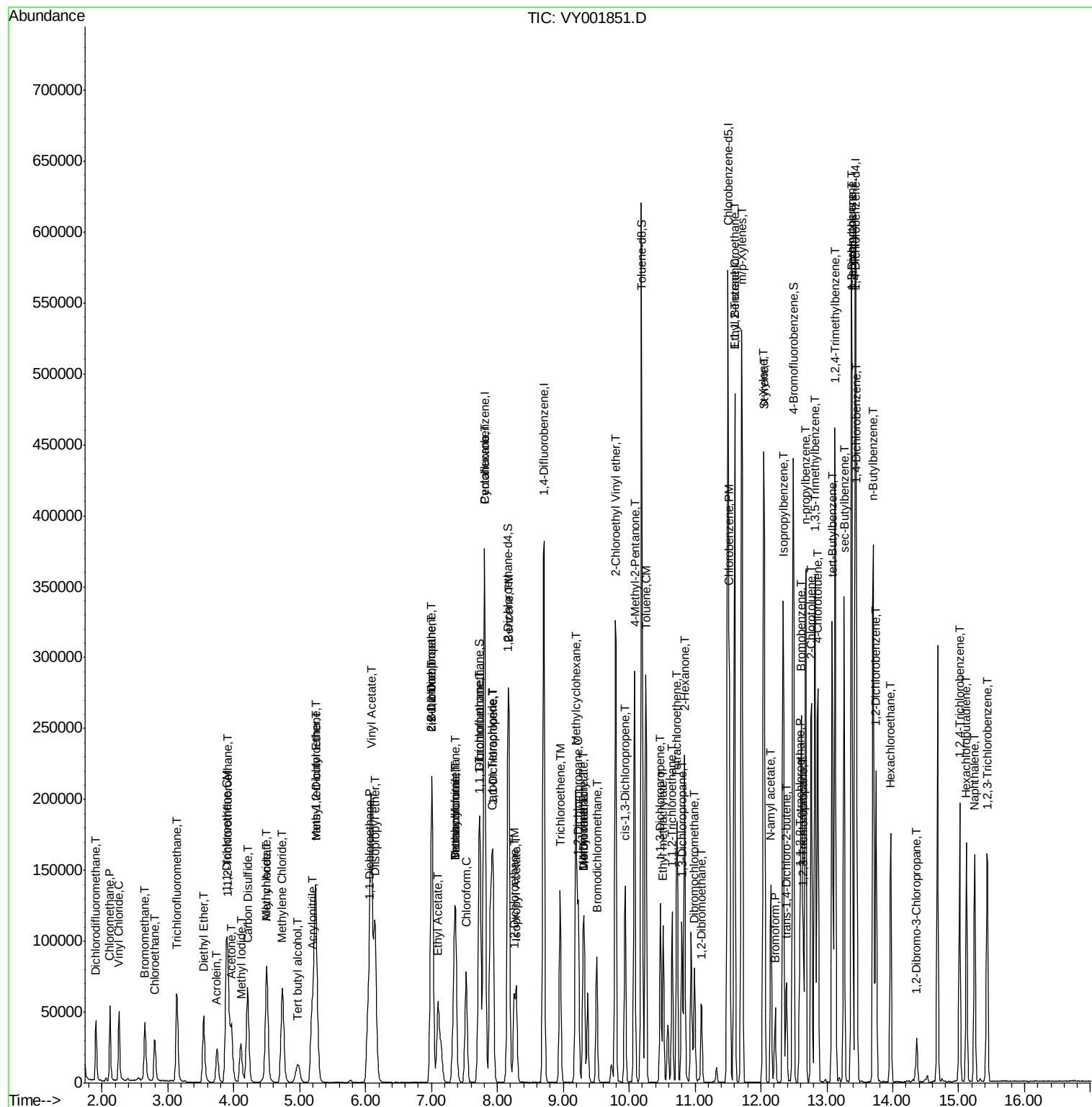
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	56575	21.697	ug/l	99
94) Hexachlorobutadiene	15.12	225	26740	21.034	ug/l	99
95) Naphthalene	15.24	128	132351	21.399	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	49831	21.694	ug/l	99

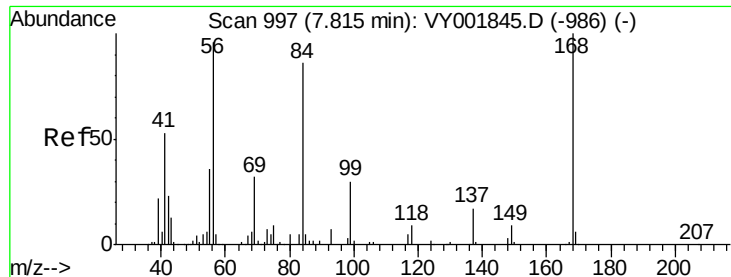
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

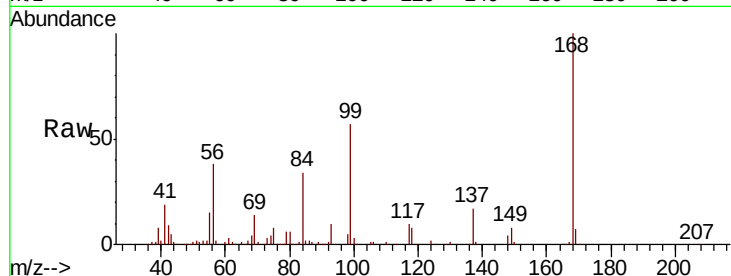
VY0304SBSD01

Tot Ion:168 Resp: 183566

Ion Ratio Lower Upper

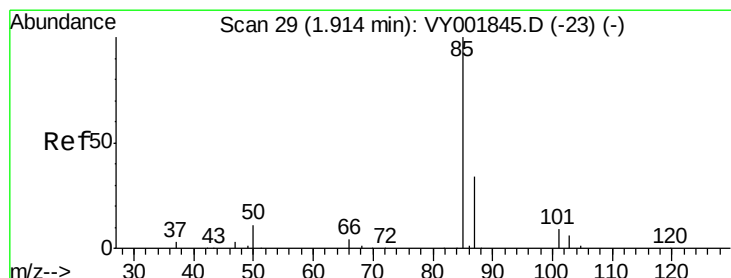
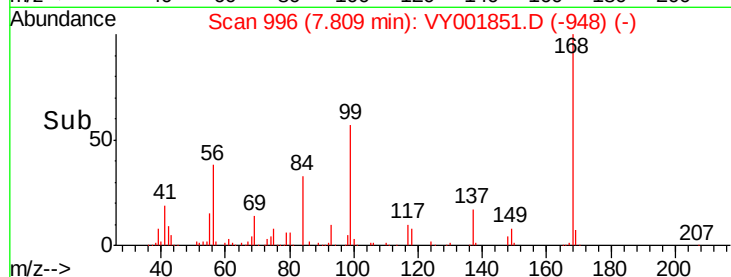
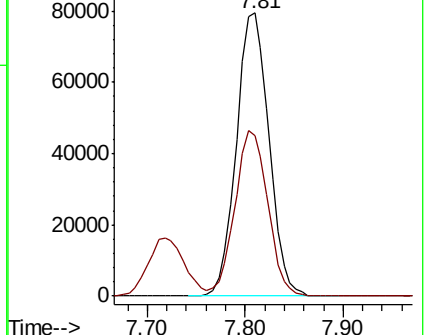
168 100

99 56.6 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: 20.674 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001851.D

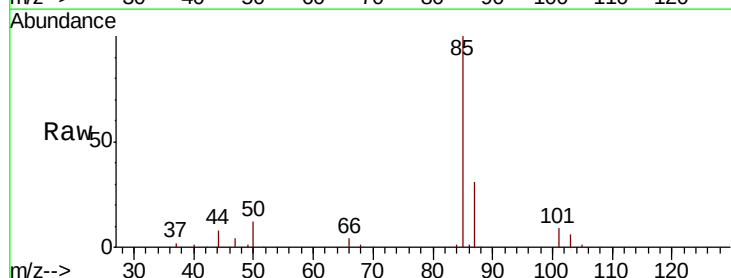
Acq: 04 Mar 2020 14:23

Tgt Ion: 85 Resp: 35031

Ion Ratio Lower Upper

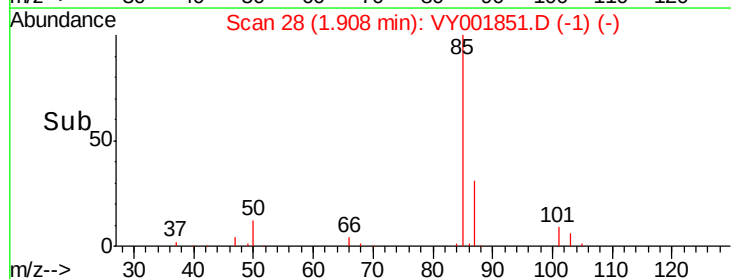
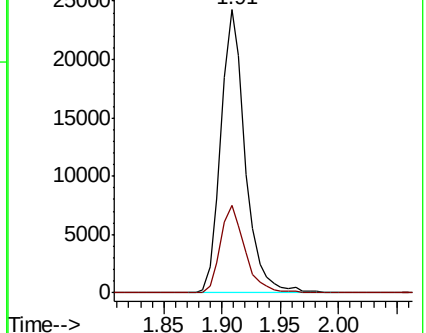
85 100

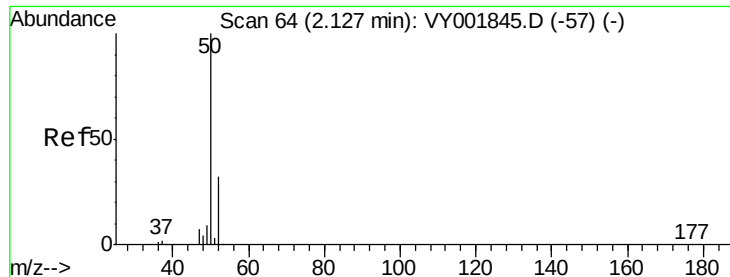
87 30.8 16.8 50.4



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: 20.869 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

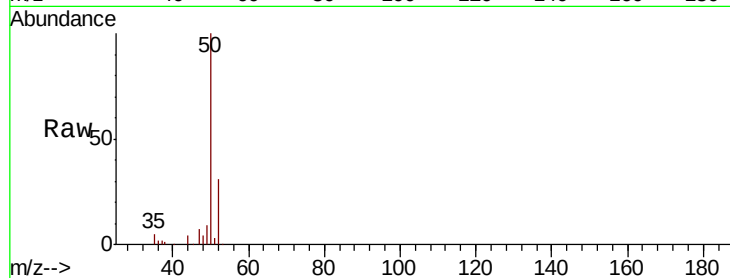
VY0304SBS01

Tot Ion: 50 Resp: 47676

Ion Ratio Lower Upper

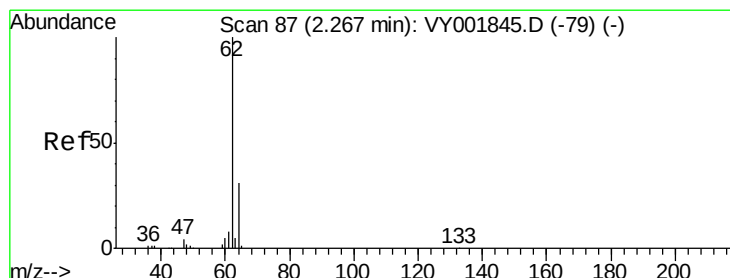
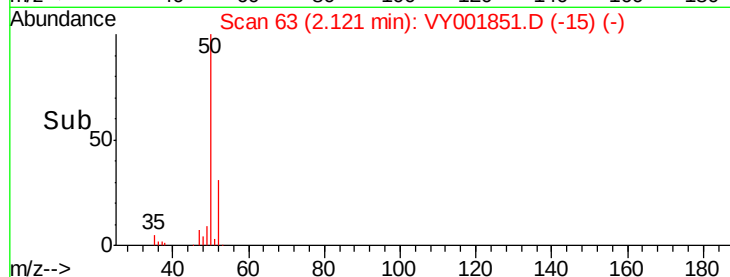
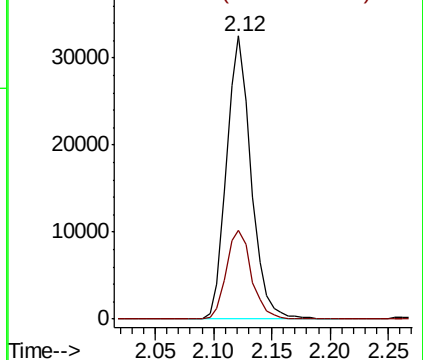
50 100

52 31.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.678 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001851.D

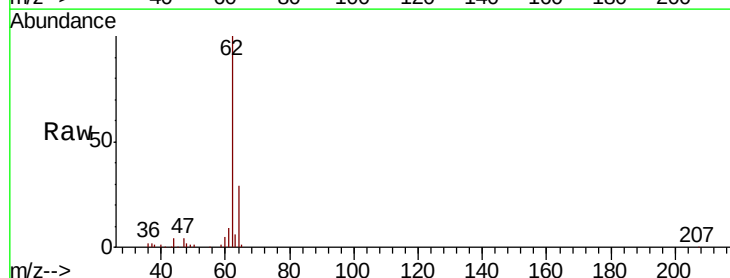
Acq: 04 Mar 2020 14:23

Tgt Ion: 62 Resp: 48049

Ion Ratio Lower Upper

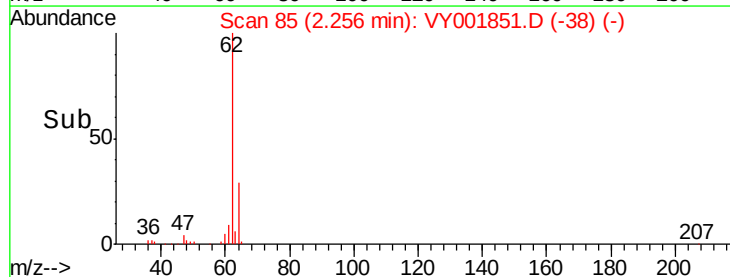
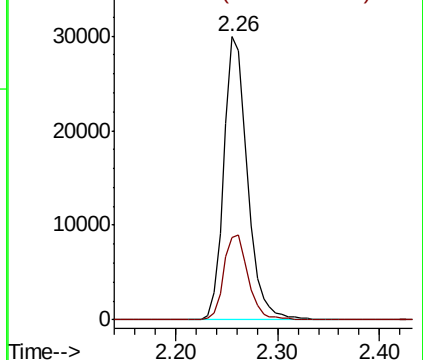
62 100

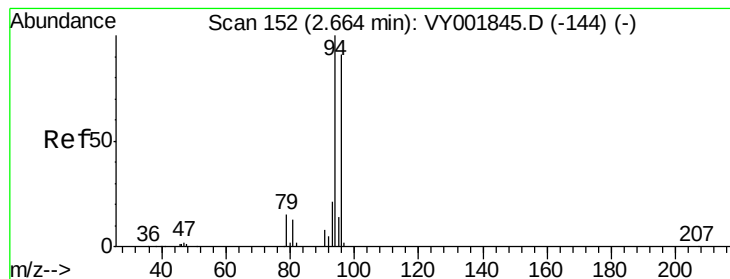
64 29.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 20.001 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

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ClientSampleId :

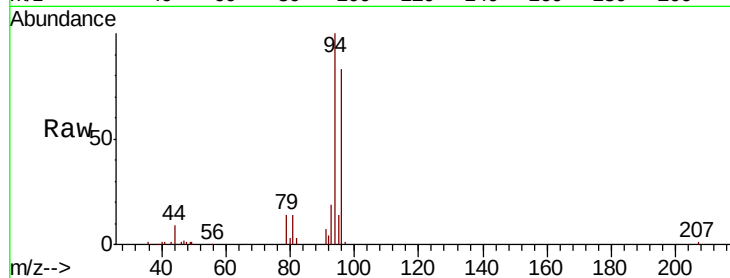
VY0304SBSD01

Tot Ion: 94 Resp: 31911

Ion Ratio Lower Upper

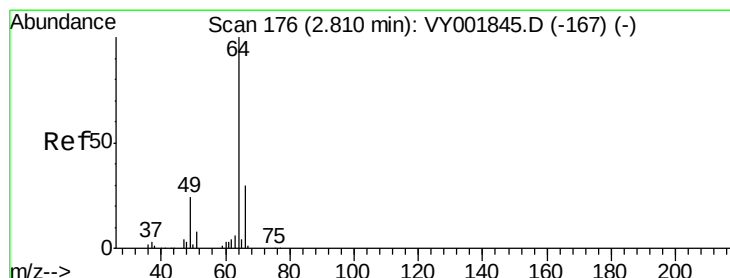
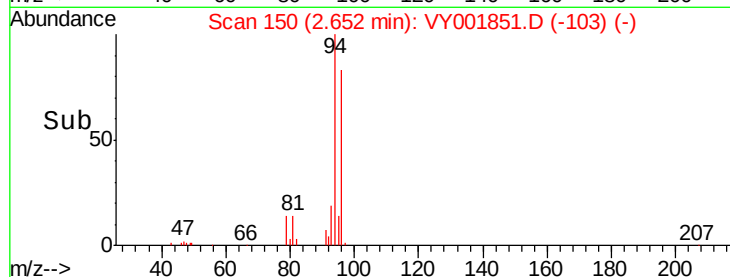
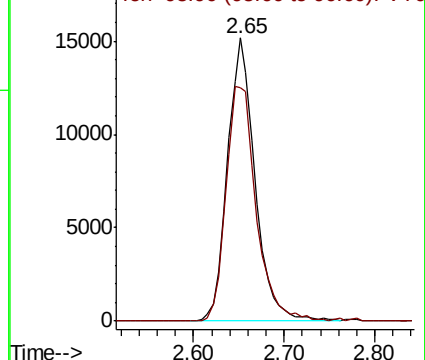
94 100

96 82.5 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: 20.424 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001851.D

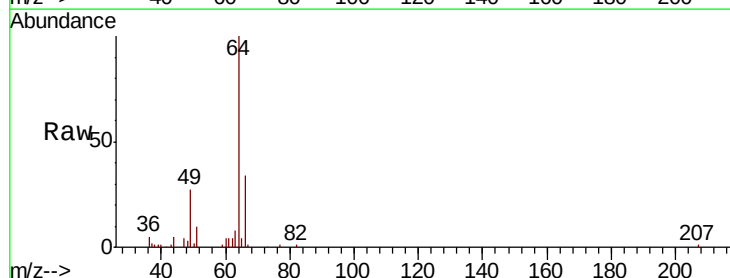
Acq: 04 Mar 2020 14:23

Tgt Ion: 64 Resp: 29813

Ion Ratio Lower Upper

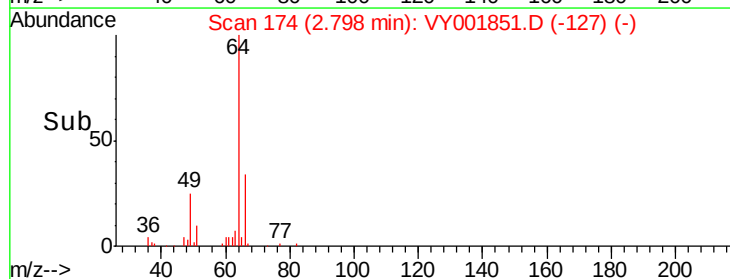
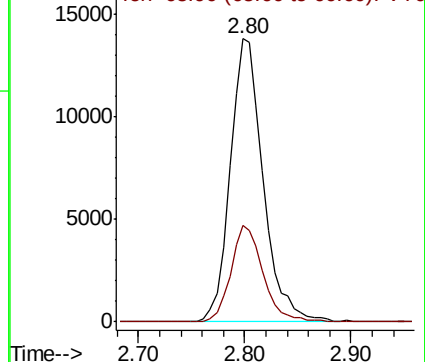
64 100

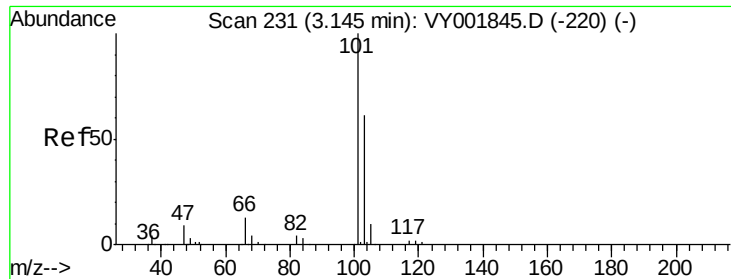
66 34.1 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



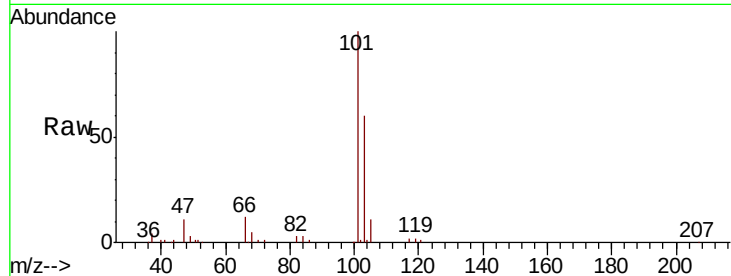


#7

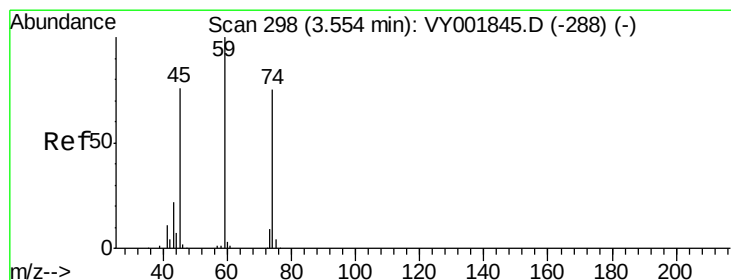
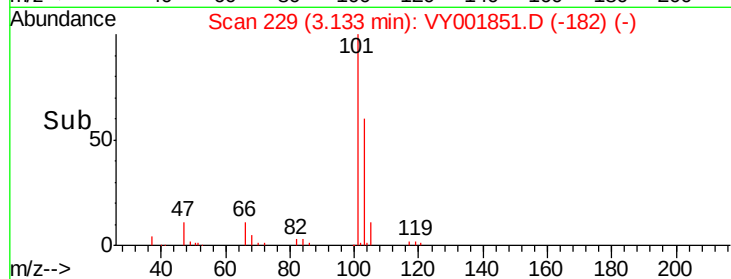
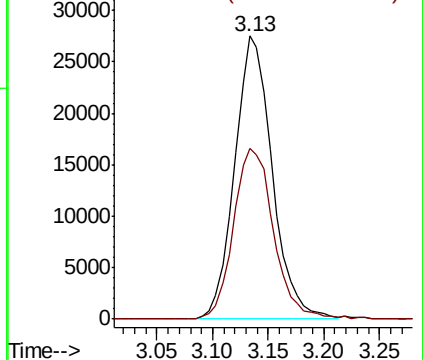
Trichlorofluoromethane
 Concen: 20.449 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY001851.D
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 VY0304SBS01

Tot Ion:101 Resp: 64444
 Ion Ratio Lower Upper
 101 100
 103 60.5 49.1 73.7



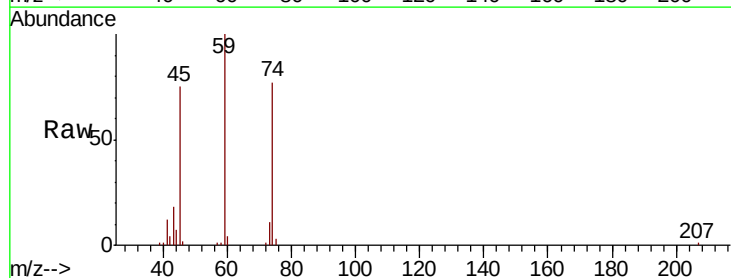
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



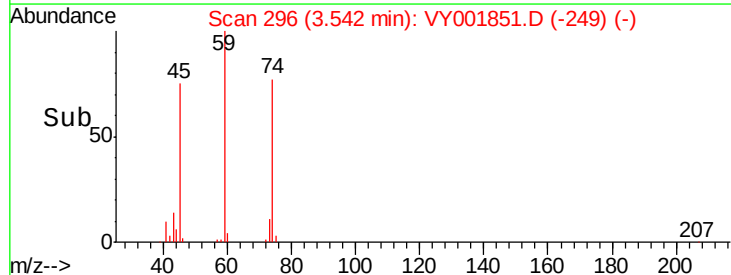
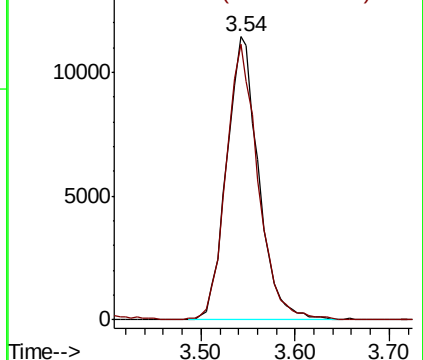
#8

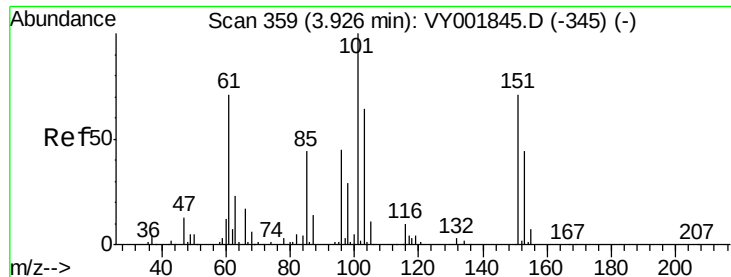
Diethyl Ether
 Concen: 21.763 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
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Tgt Ion: 74 Resp: 27031
 Ion Ratio Lower Upper
 74 100
 45 97.8 50.5 151.5



Abundance Ion 74.00 (73.70 to 74.70): VY0
 Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.150 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.02 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBSD01

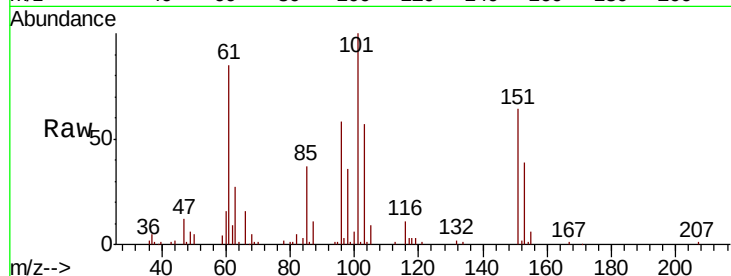
Tot Ion:101 Resp: 42870

Ion Ratio Lower Upper

101 100

85 42.3 35.3 52.9

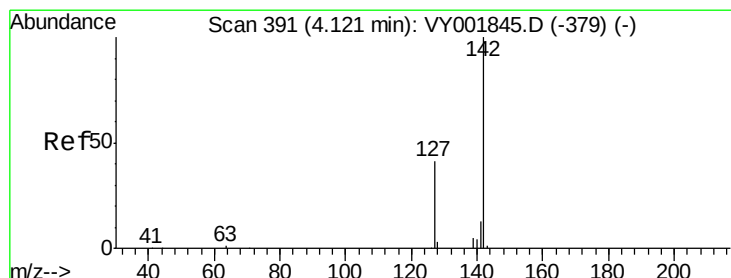
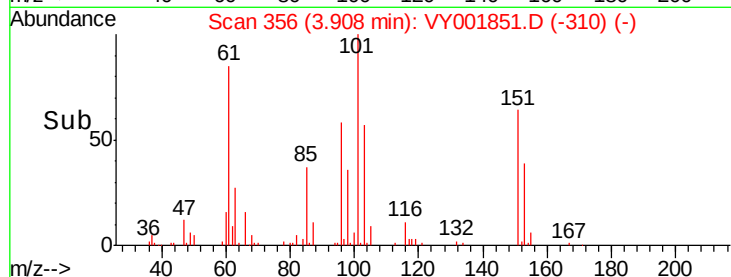
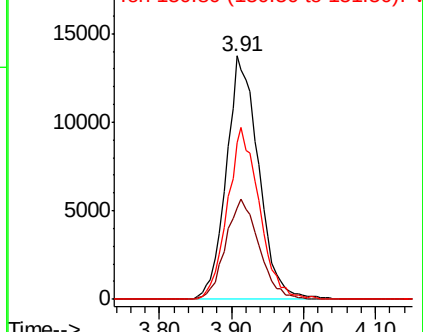
151 69.7 57.0 85.4



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: 20.225 ug/l

RT: 4.11 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

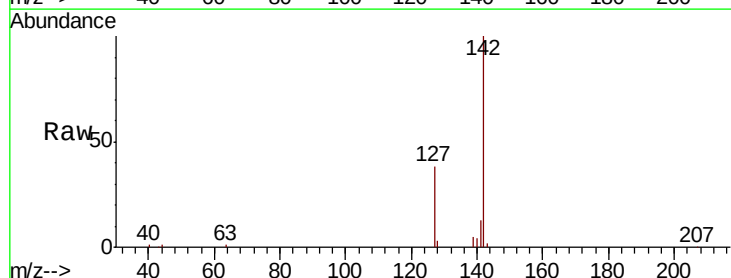
Tgt Ion:142 Resp: 47409

Ion Ratio Lower Upper

142 100

127 39.2 32.7 49.1

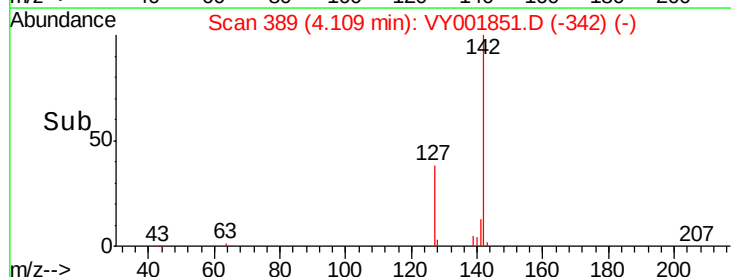
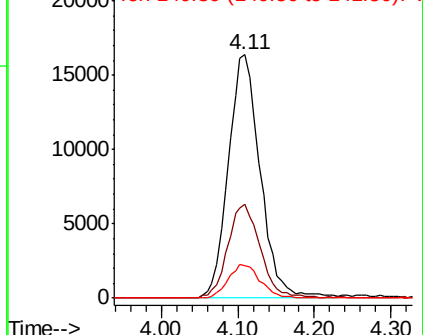
141 13.8 11.0 16.6

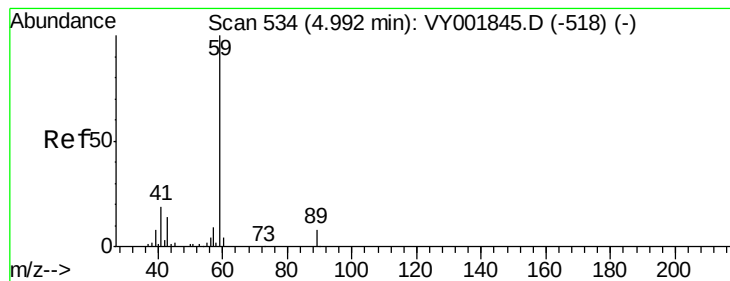


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



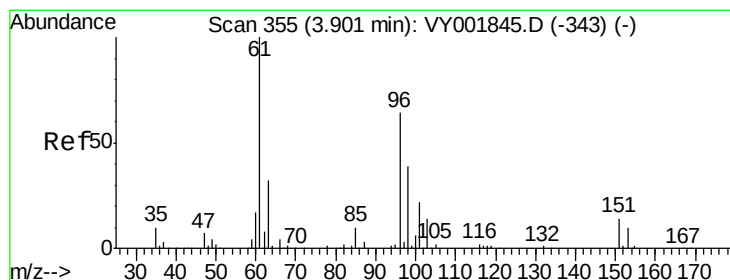
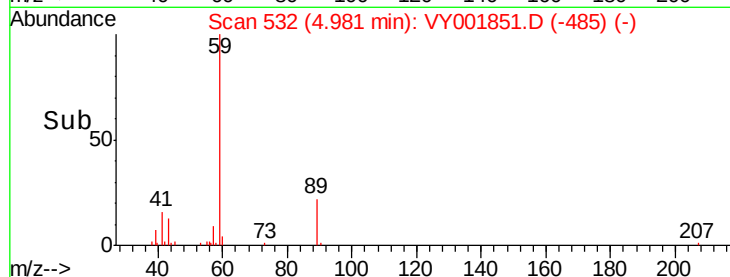
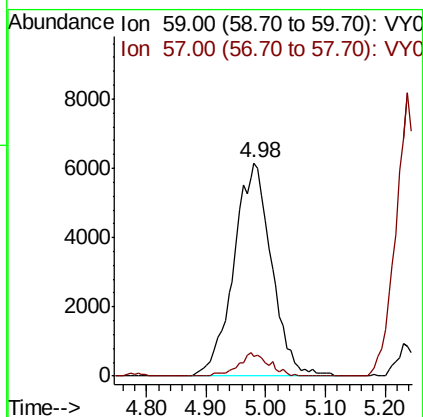
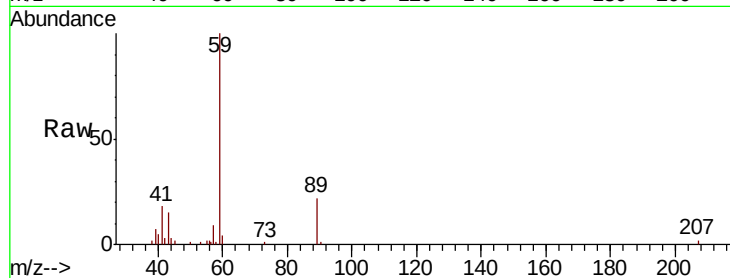


#11

Tert butyl alcohol
 Concen: 121.150 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBSD01

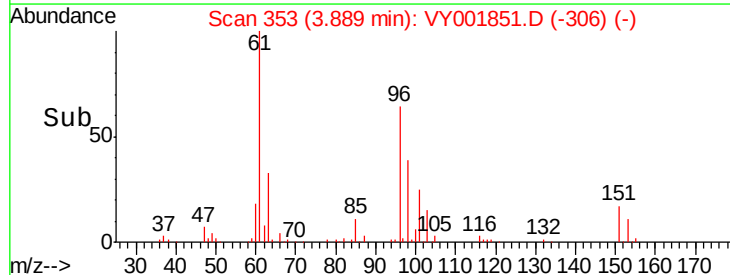
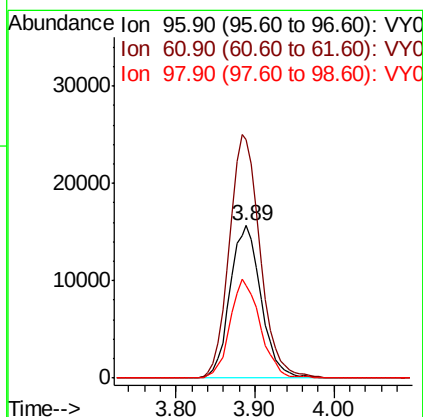
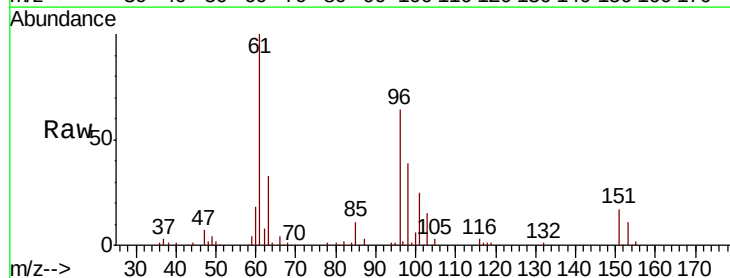
Tot Ion: 59 Resp: 27080
 Ion Ratio Lower Upper
 59 100
 57 8.6 7.4 11.2

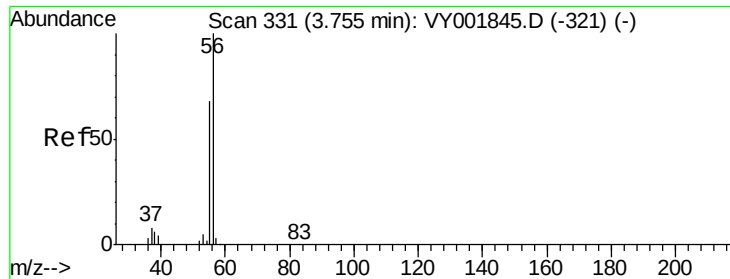


#12

1,1-Dichloroethene
 Concen: 21.028 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion: 96 Resp: 42916
 Ion Ratio Lower Upper
 96 100
 61 156.6 124.8 187.2
 98 60.7 49.2 73.8

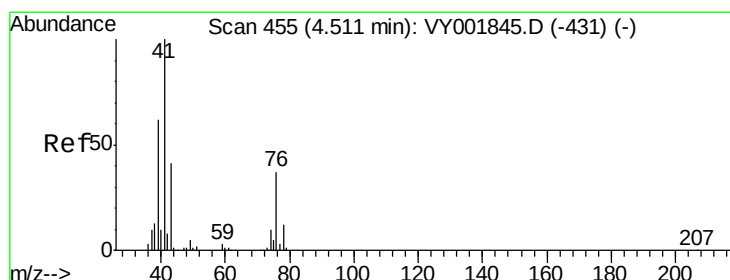
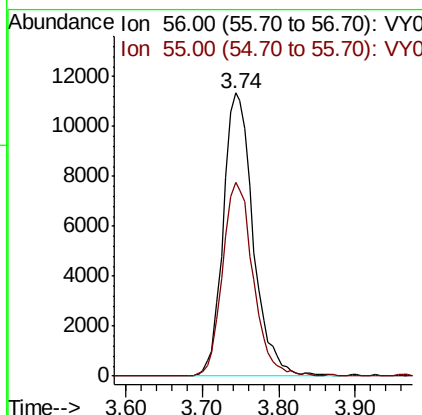
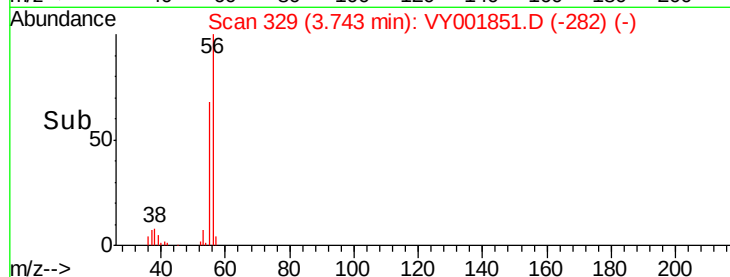
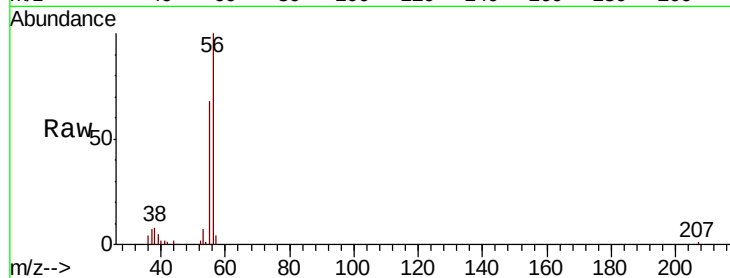




#13
 Acrolein
 Concen: 111.572 ug/l
 RT: 3.74 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

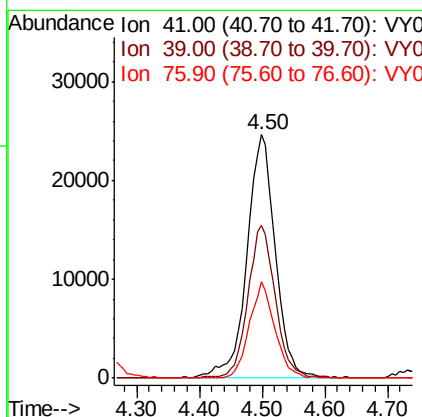
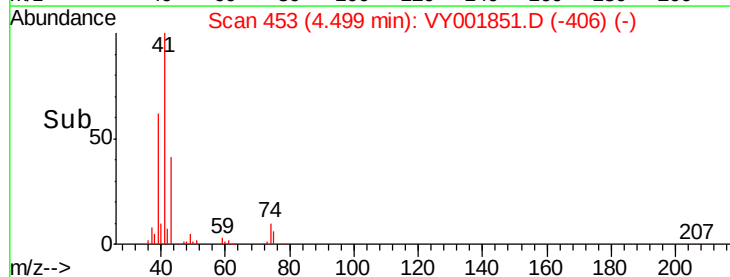
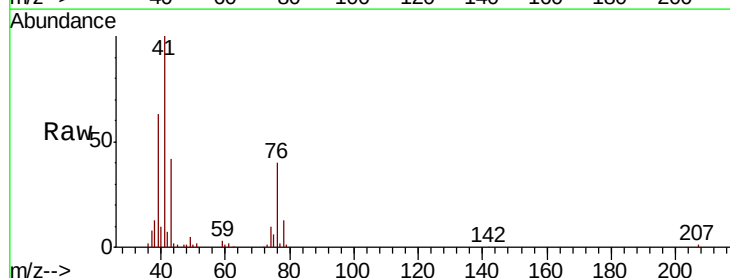
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBSD01

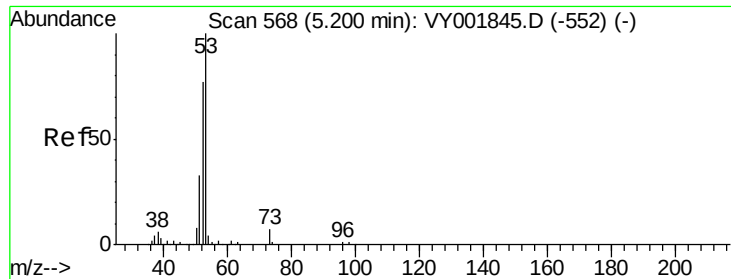
Tot Ion: 56 Resp: 30725
 Ion Ratio Lower Upper
 56 100
 55 69.7 54.0 81.0



#14
 Allyl chloride
 Concen: 21.343 ug/l
 RT: 4.50 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion: 41 Resp: 77223
 Ion Ratio Lower Upper
 41 100
 39 60.3 49.0 73.6
 76 35.2 28.9 43.3





#15

Acrylonitrile

Concen: 106.135 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBSD01

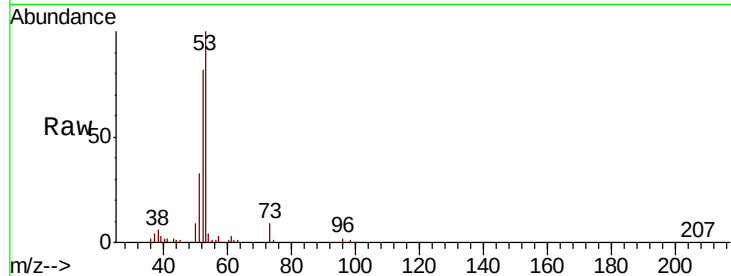
Tot Ion: 53 Resp: 70444

Ion Ratio Lower Upper

53 100

52 80.9 65.1 97.7

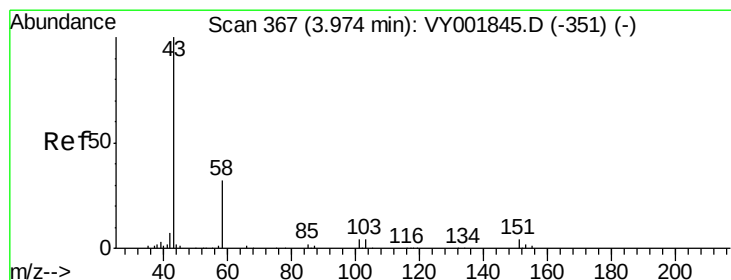
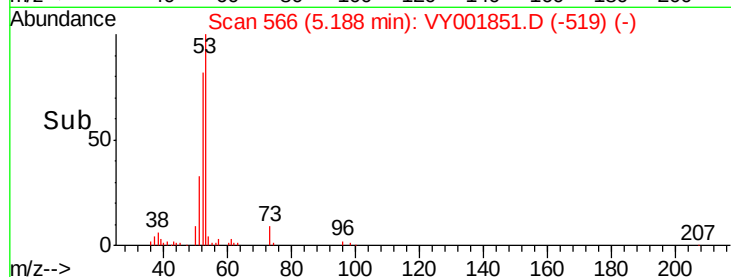
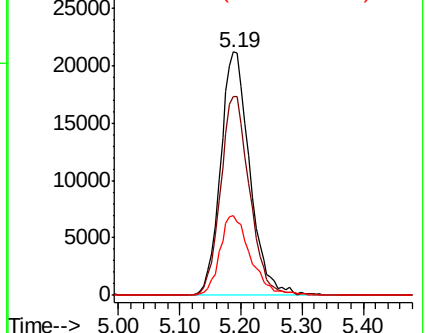
51 34.5 27.5 41.3



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: 103.052 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001851.D

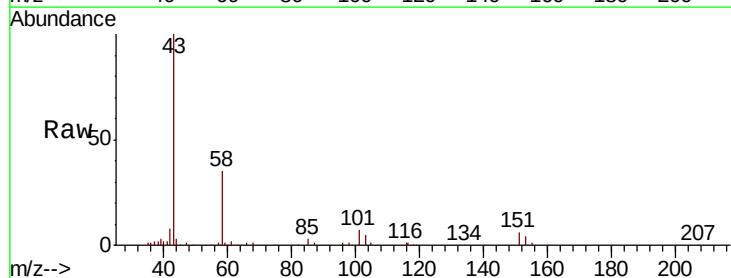
Acq: 04 Mar 2020 14:23

Tgt Ion: 43 Resp: 58820

Ion Ratio Lower Upper

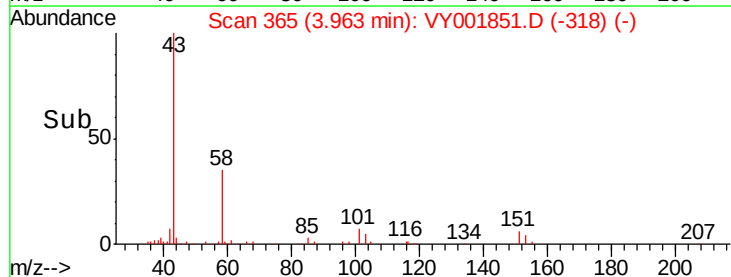
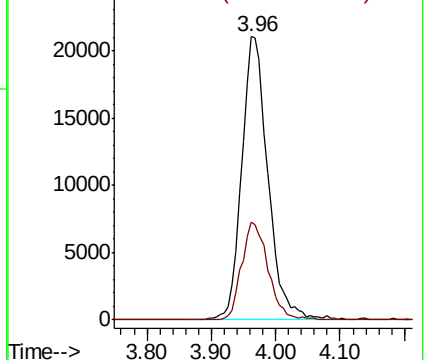
43 100

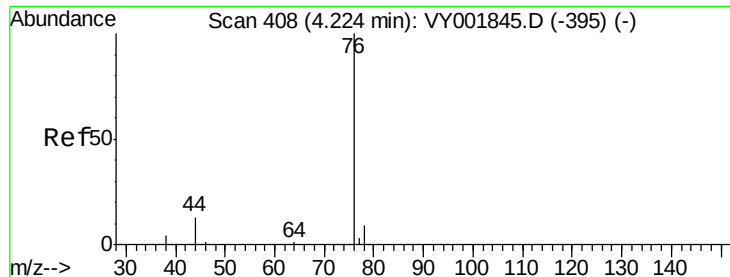
58 34.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 20.419 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.02 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

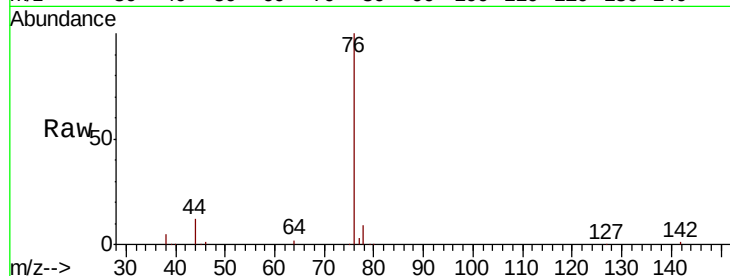
VY0304SBSD01

Tot Ion: 76 Resp: 140088

Ion Ratio Lower Upper

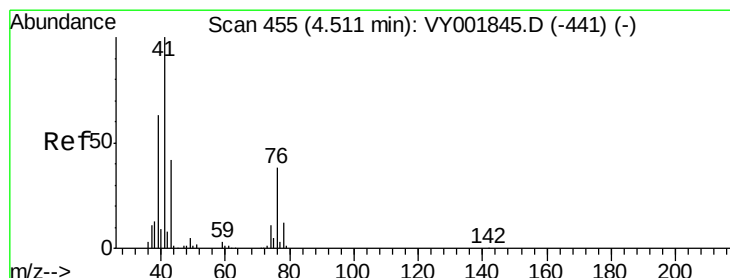
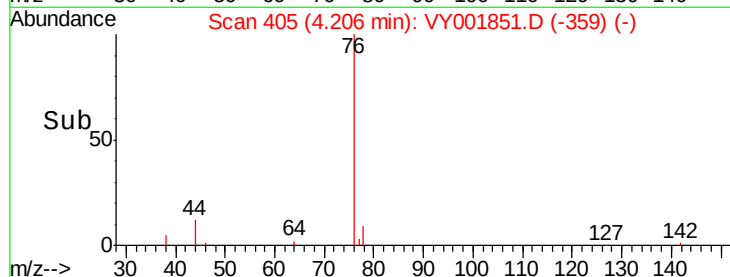
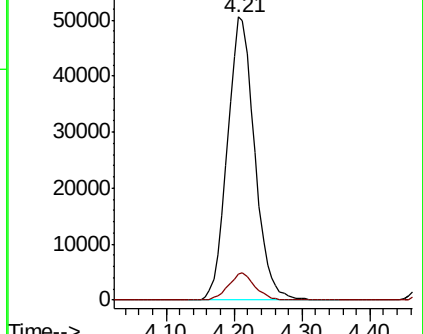
76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 21.260 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001851.D

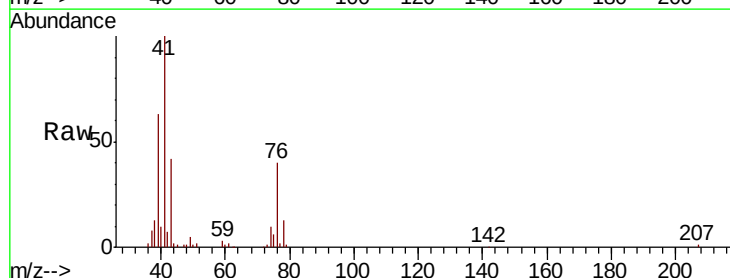
Acq: 04 Mar 2020 14:23

Tgt Ion: 43 Resp: 31179

Ion Ratio Lower Upper

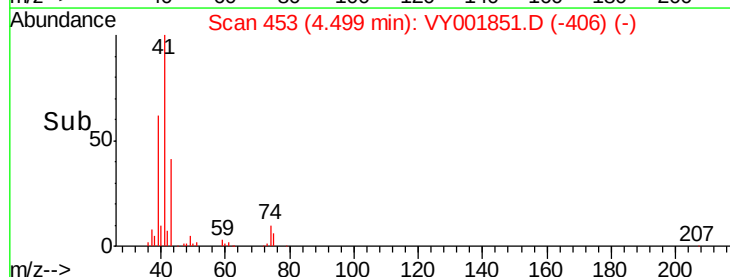
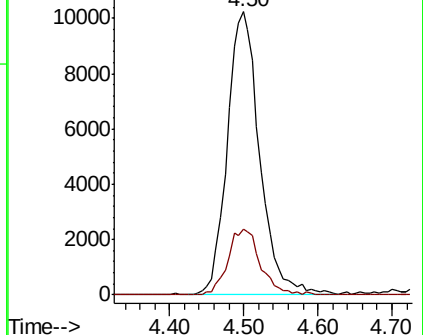
43 100

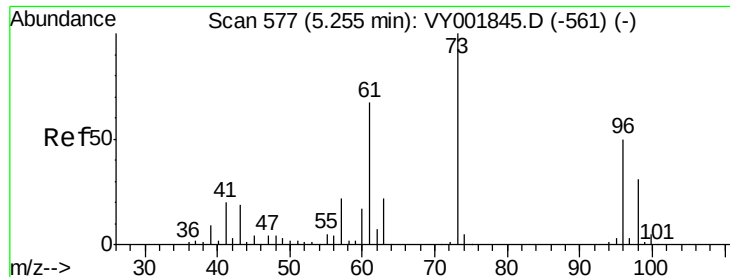
74 22.9 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

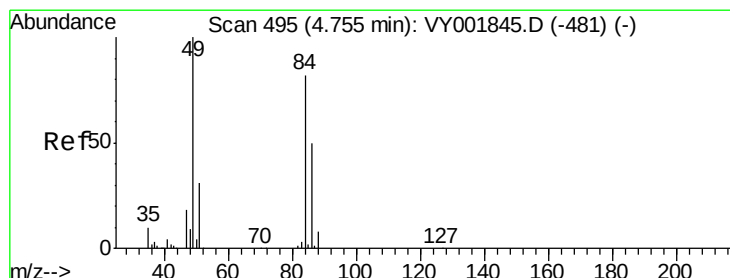
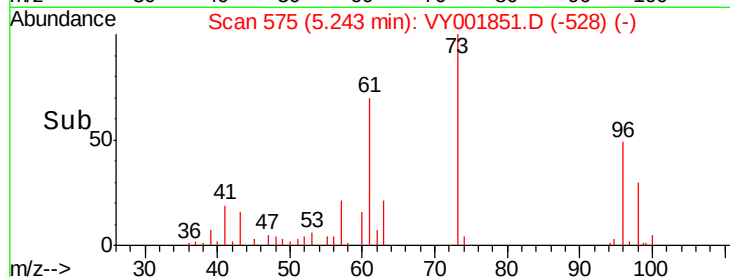
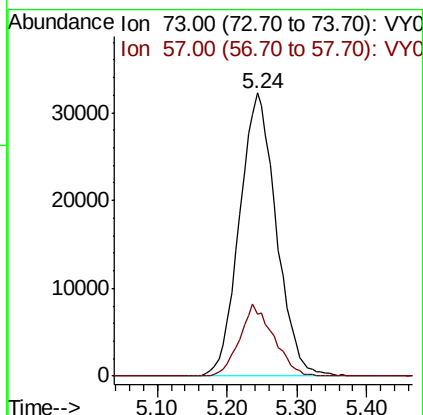
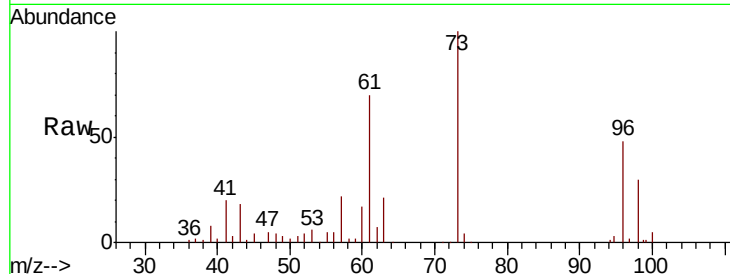




#19
Methyl tert-butyl Ether
Concen: 21.269 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

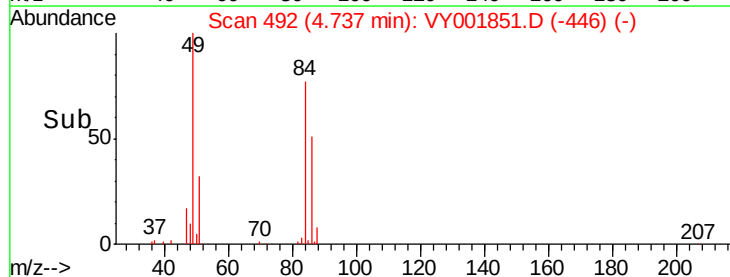
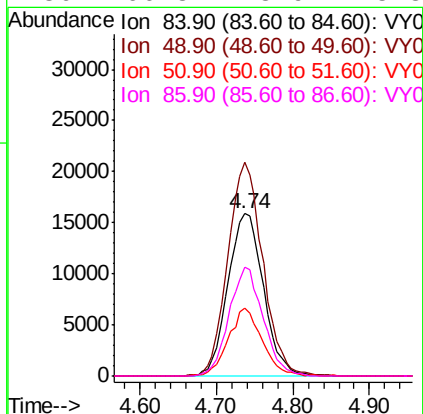
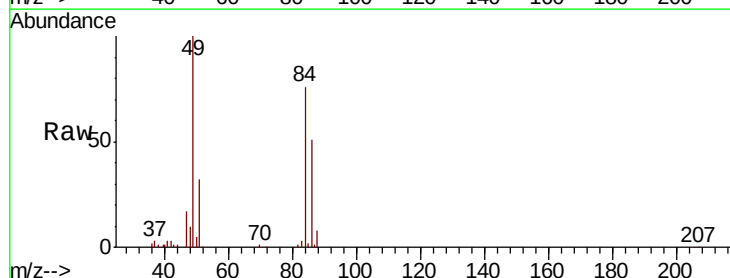
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

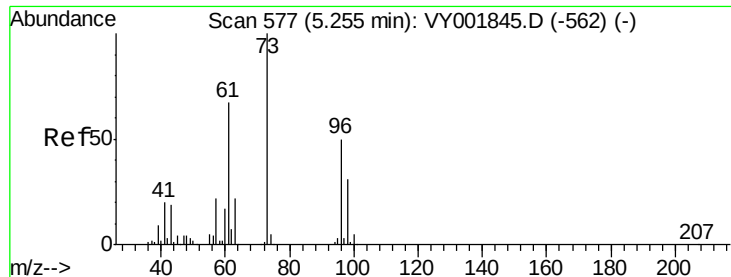
Tot Ion: 73 Resp: 117633
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.2



#20
Methylene Chloride
Concen: 20.967 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.02 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 84 Resp: 51291
Ion Ratio Lower Upper
84 100
49 131.5 98.2 147.2
51 41.8 30.2 45.2
86 66.8 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.844 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.02 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

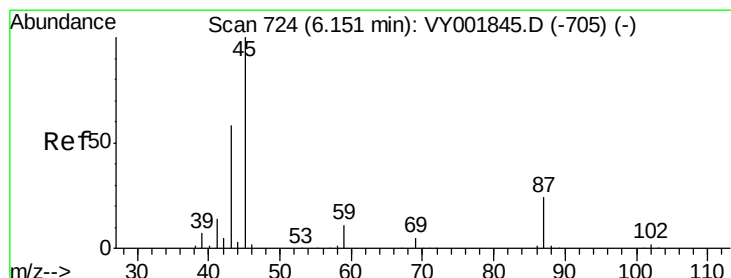
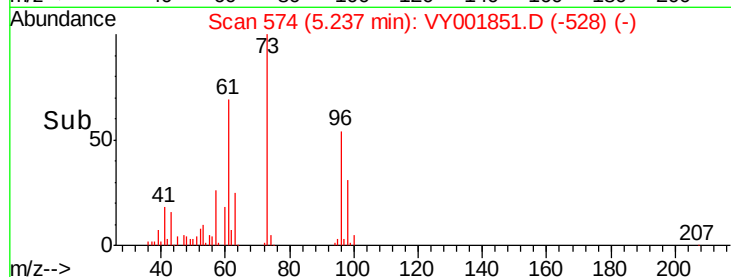
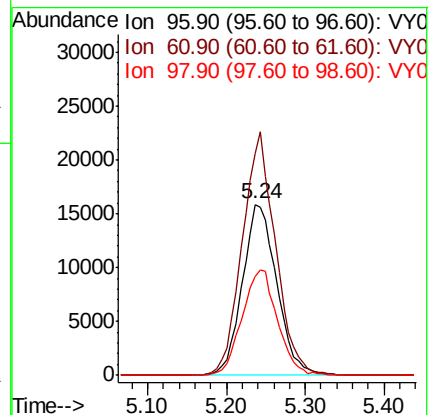
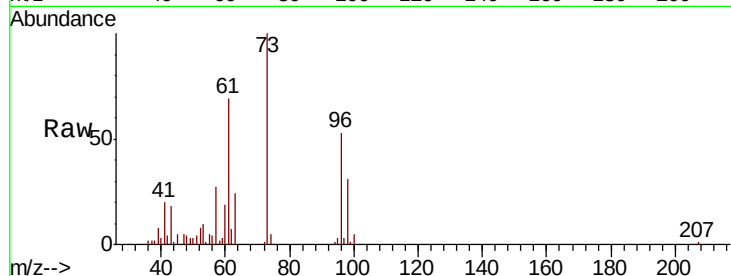
Tot Ion: 96 Resp: 48285

Ion Ratio Lower Upper

96 100

61 129.9 107.7 161.5

98 57.7 49.3 73.9



#22

Diisopropyl ether

Concen: 20.976 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Tgt Ion: 45 Resp: 155570

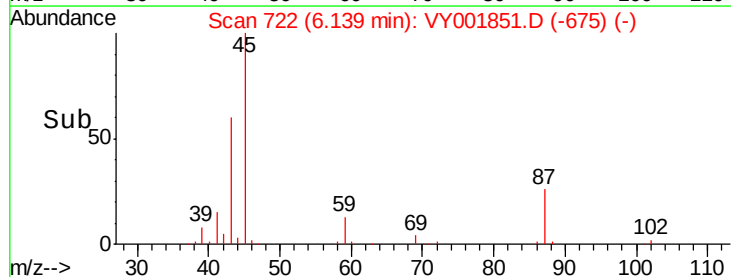
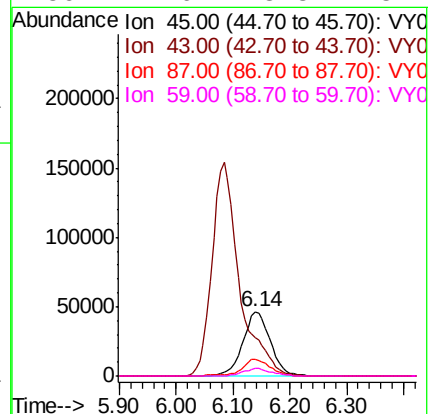
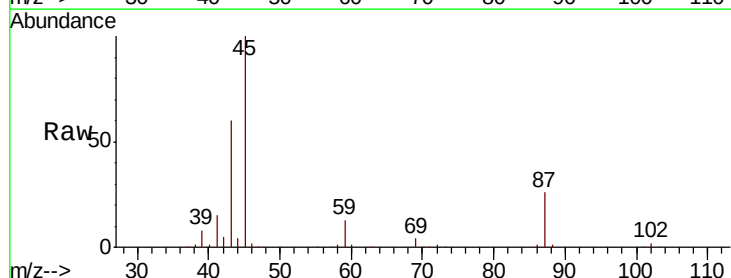
Ion Ratio Lower Upper

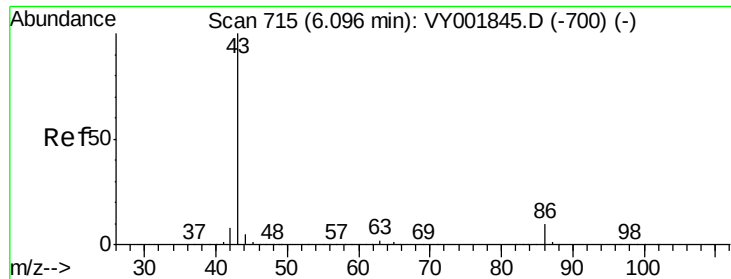
45 100

43 59.5 47.2 70.8

87 25.9 19.8 29.8

59 12.6 8.8 13.2





#23

Vinyl Acetate

Concen: 106.338 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

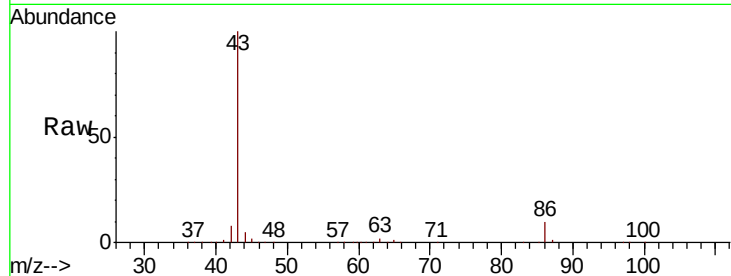
VY0304SBS01

Tot Ion: 43 Resp: 517024

Ion Ratio Lower Upper

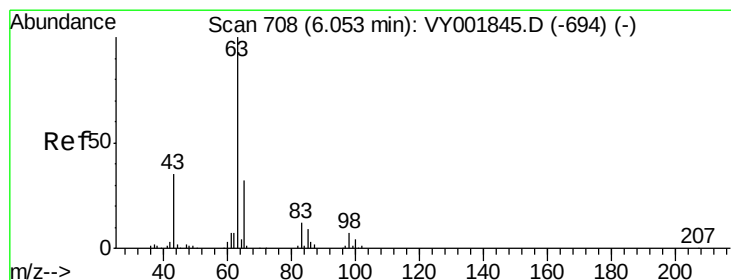
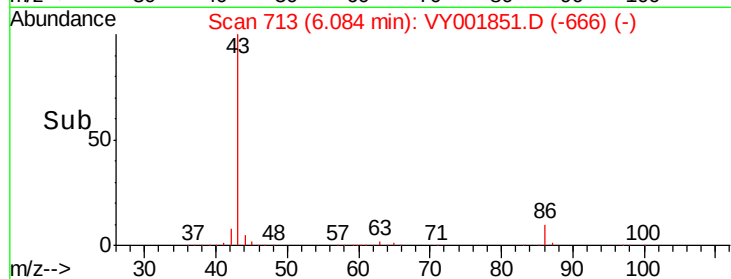
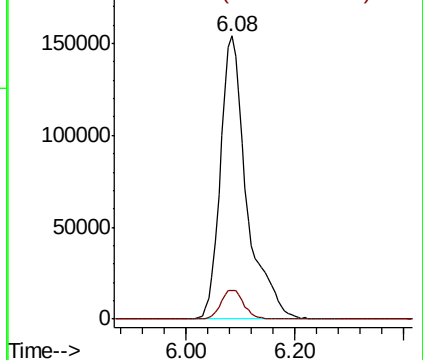
43 100

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



#24

1,1-Dichloroethane

Concen: 20.698 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

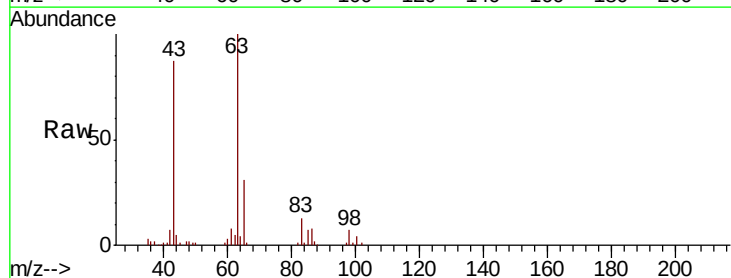
Tgt Ion: 63 Resp: 83128

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

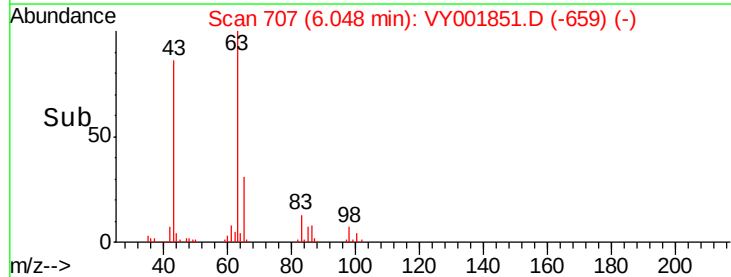
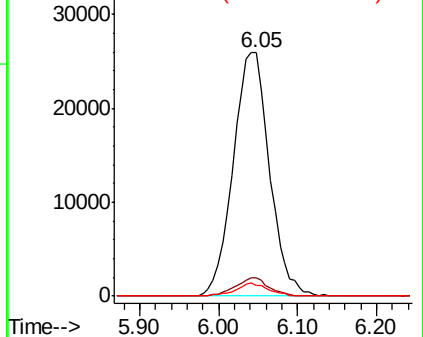
100 4.3 2.0 6.0

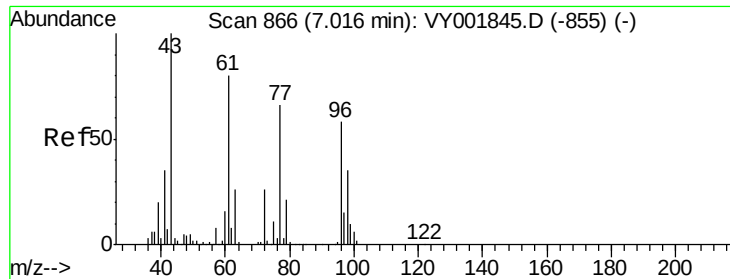


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

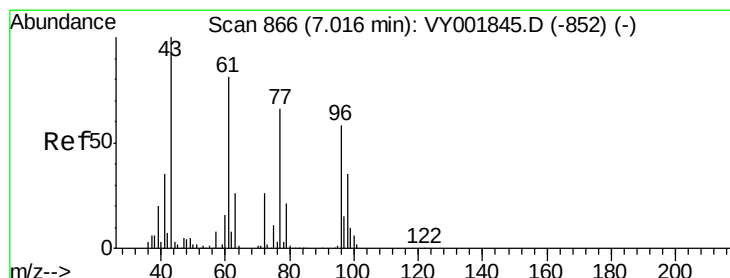
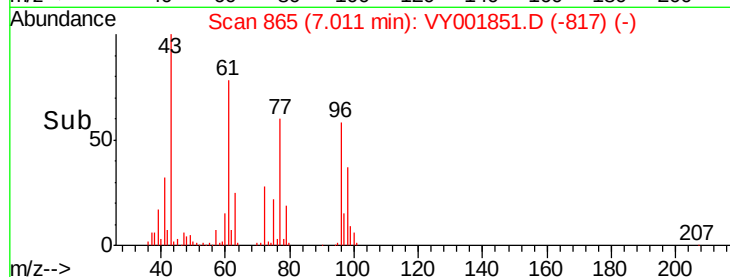
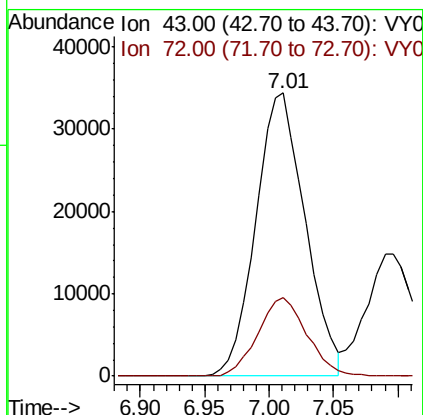
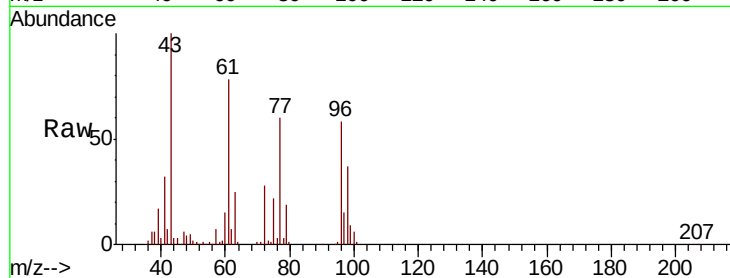




#25
2-Butanone
Concen: 105.334 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

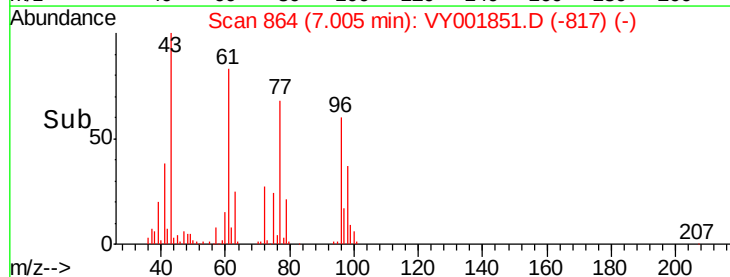
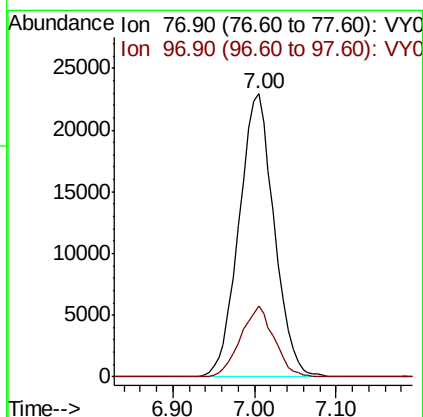
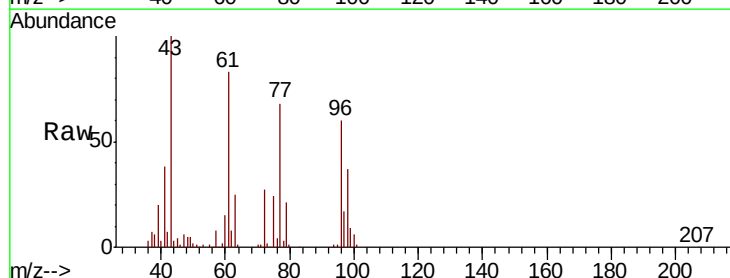
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

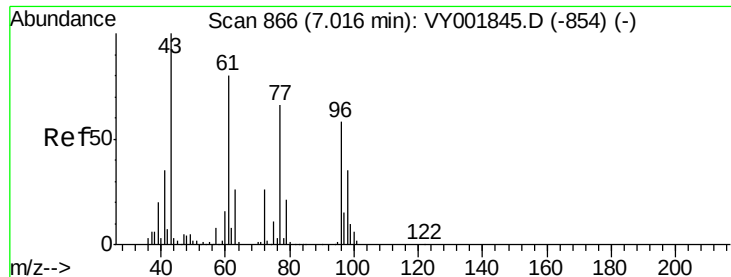
Tot Ion: 43 Resp: 91430
Ion Ratio Lower Upper
43 100
72 27.6 20.9 31.3



#26
2,2-Dichloropropane
Concen: 20.837 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 77 Resp: 68690
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.7



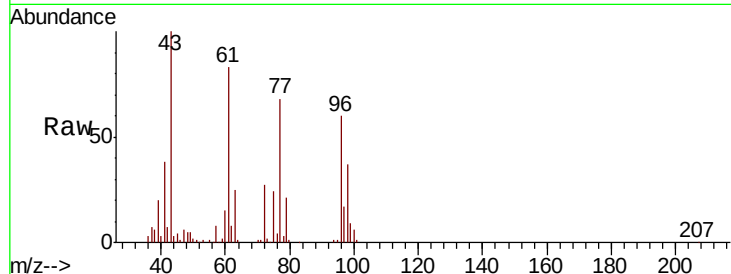


#27

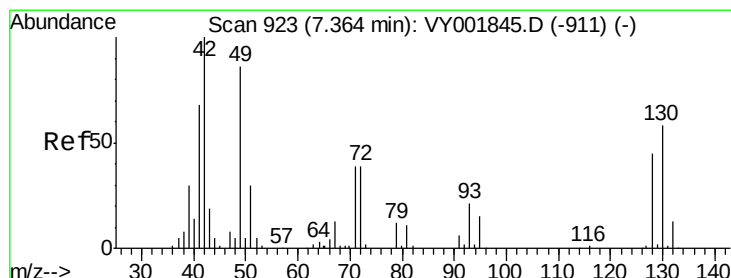
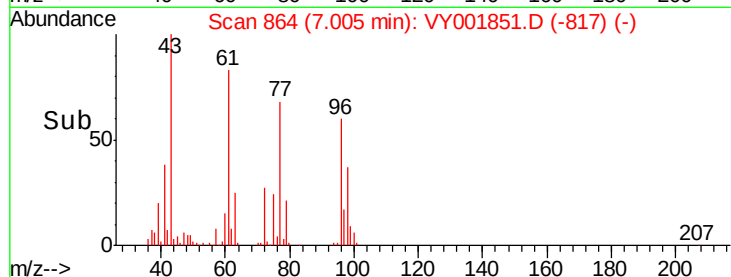
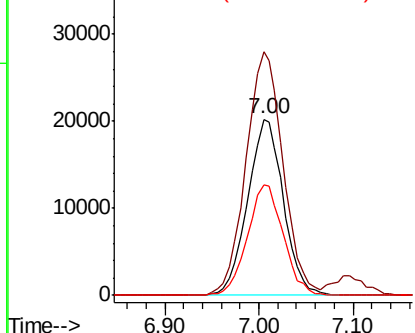
cis-1,2-Dichloroethene
Concen: 21.349 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion: 96 Resp: 53796
Ion Ratio Lower Upper
96 100
61 143.5 0.0 288.2
98 62.9 0.0 129.0



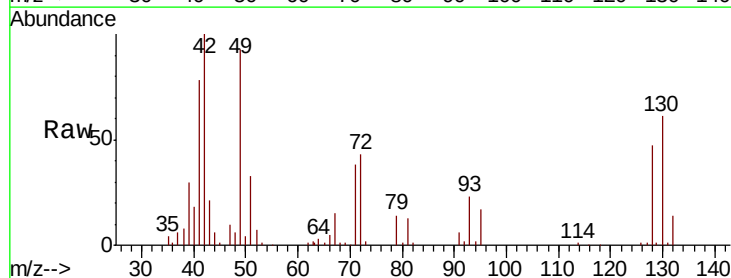
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



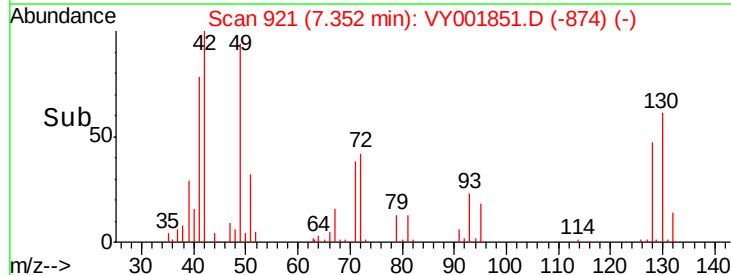
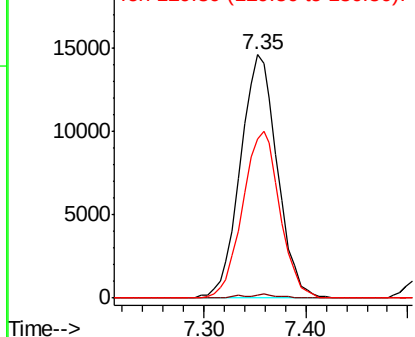
#28

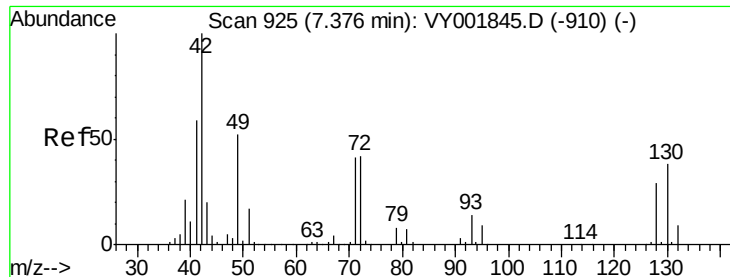
Bromochloromethane
Concen: 20.299 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 49 Resp: 36747
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.8
130 69.2 54.4 81.6



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

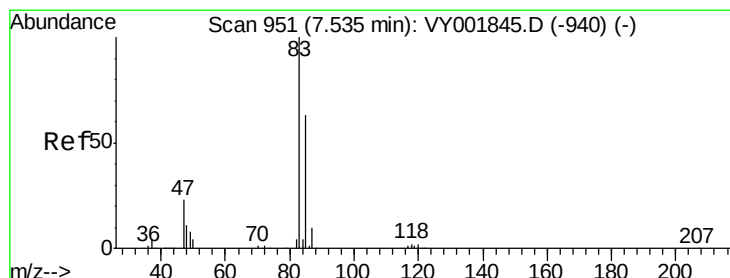
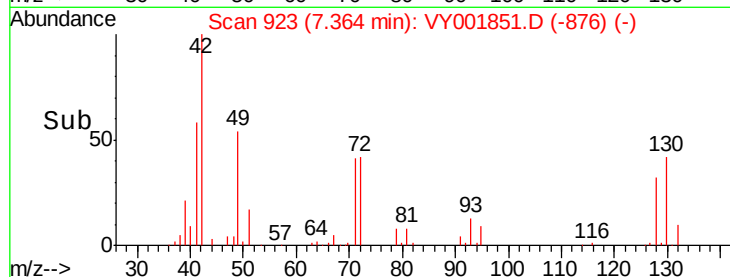
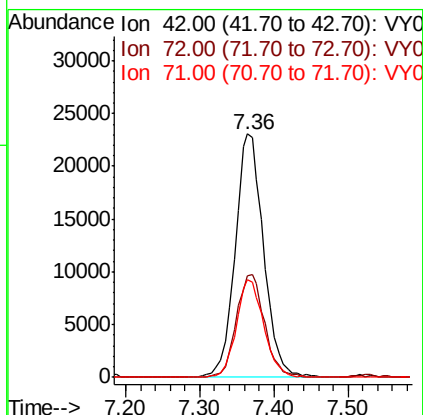
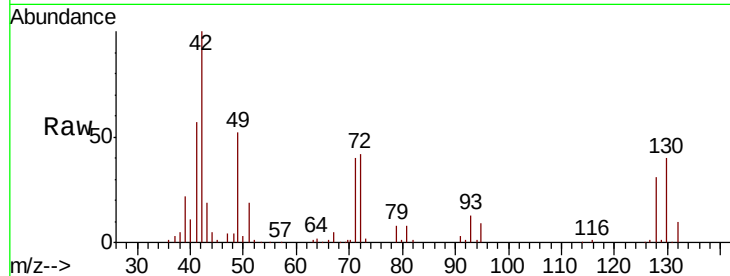




#29
Tetrahydrofuran
Concen: 107.053 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

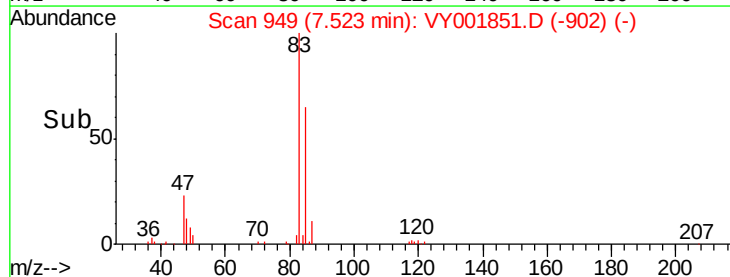
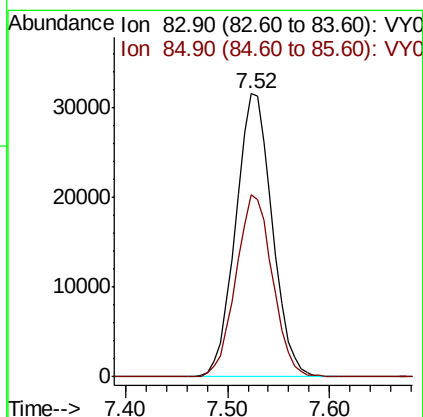
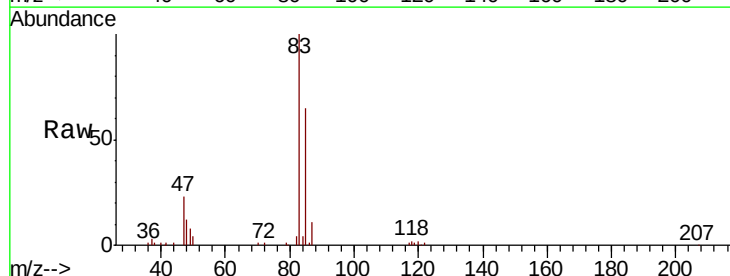
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

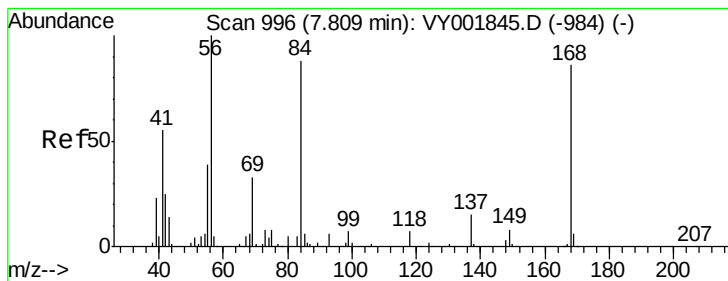
Tot Ion: 42 Resp: 61706
Ion Ratio Lower Upper
42 100
72 42.0 33.5 50.3
71 38.6 31.3 46.9



#30
Chloroform
Concen: 20.784 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 83 Resp: 78429
Ion Ratio Lower Upper
83 100
85 64.6 50.7 76.1





#31

Cyclohexane

Concen: 20.683 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

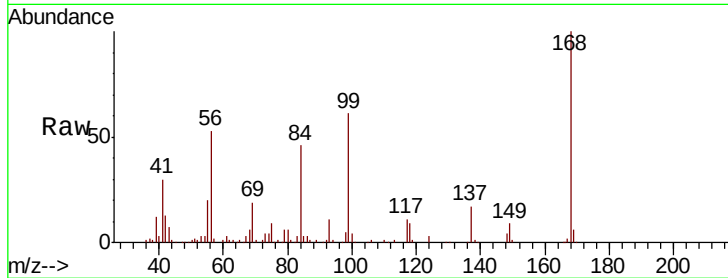
Tot Ion: 56 Resp: 89070

Ion Ratio Lower Upper

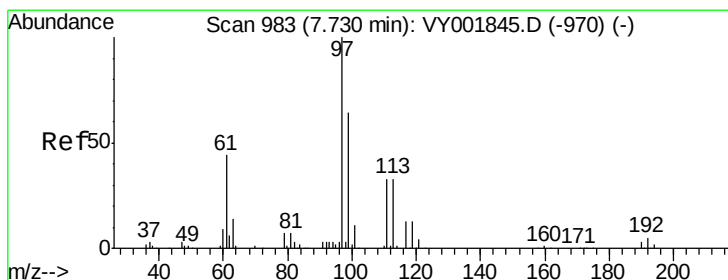
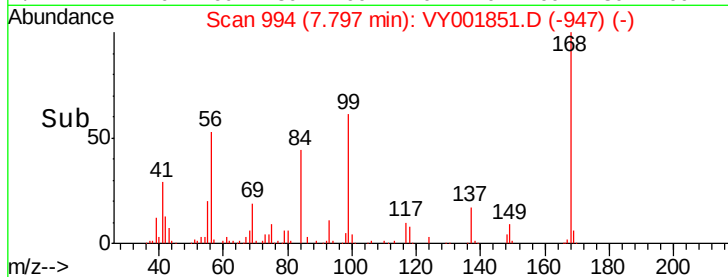
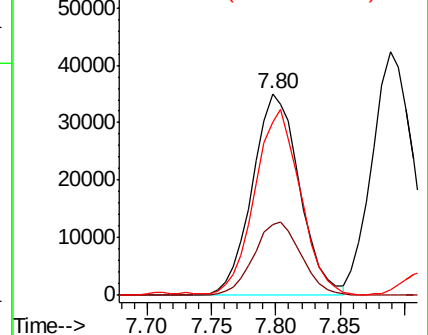
56 100

69 35.4 26.7 40.1

84 85.1 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: 21.021 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

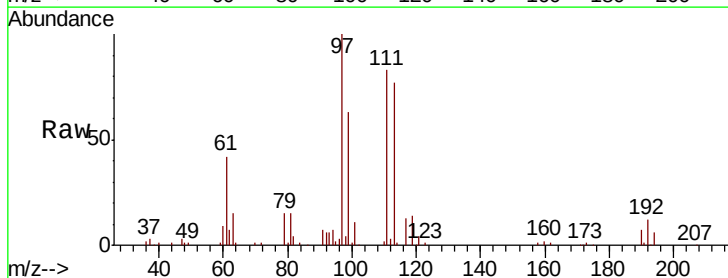
Tgt Ion: 97 Resp: 66855

Ion Ratio Lower Upper

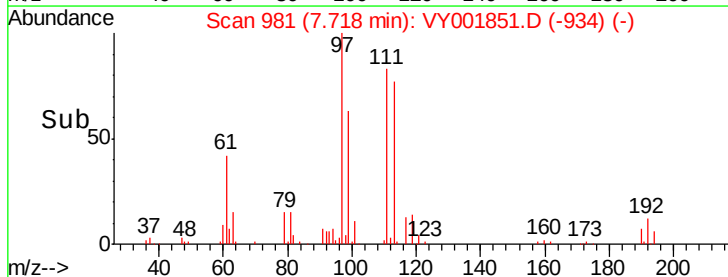
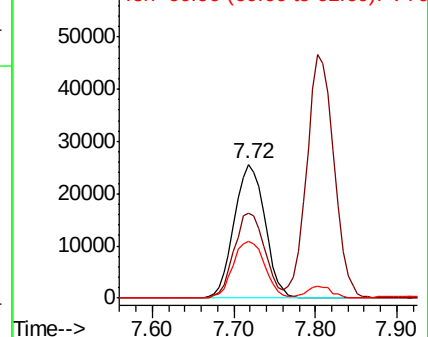
97 100

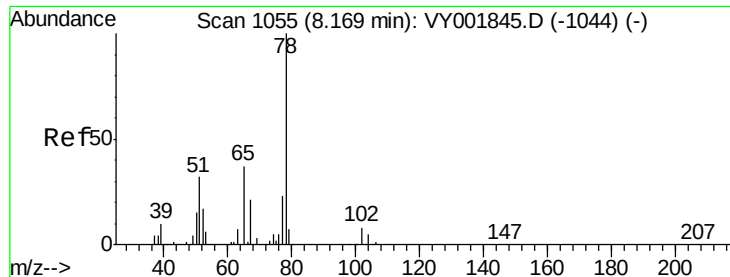
99 63.1 52.0 78.0

61 43.9 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

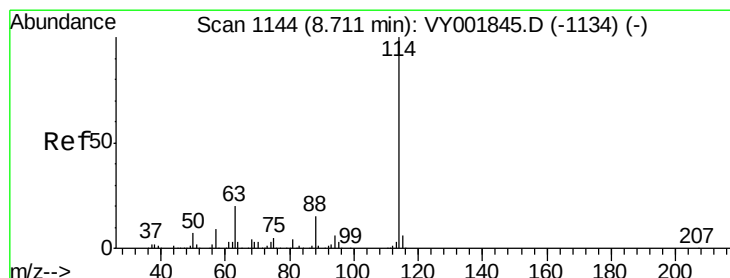
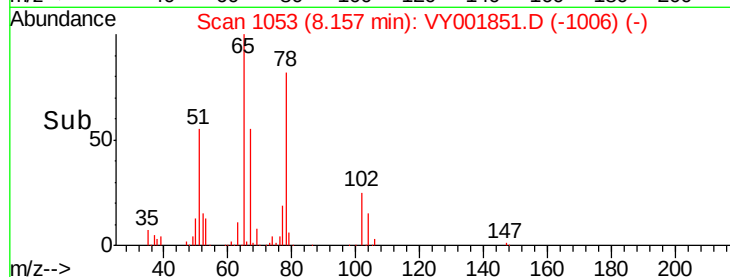
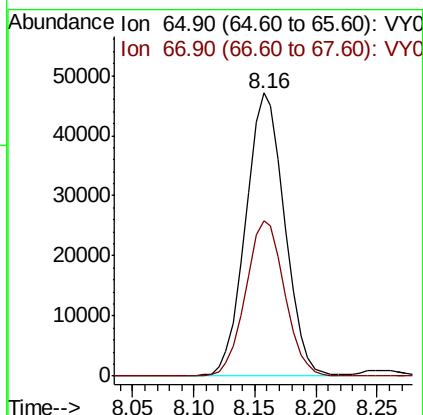
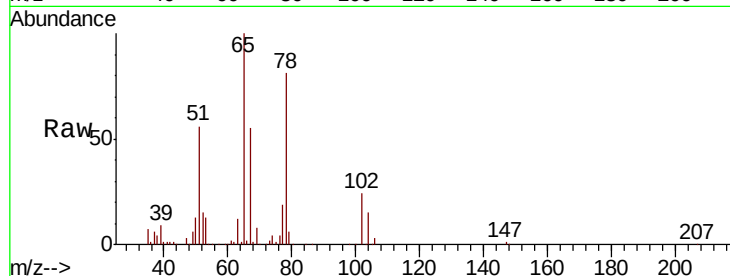




#33
 1,2-Dichloroethane-d4
 Concen: 53.239 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

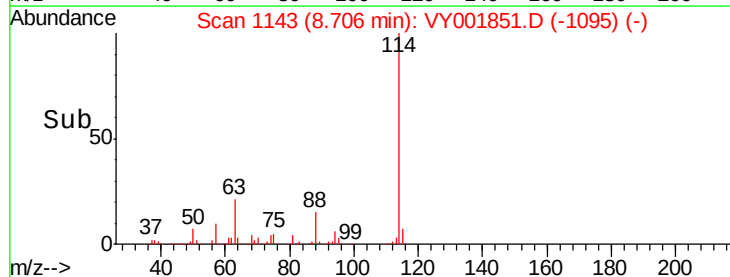
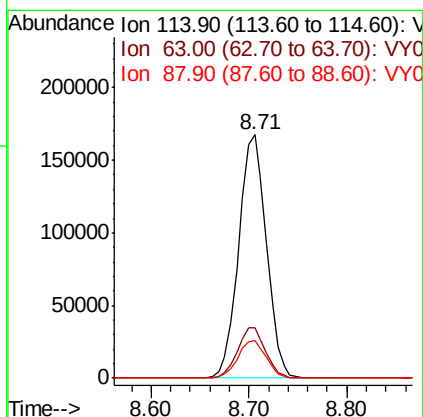
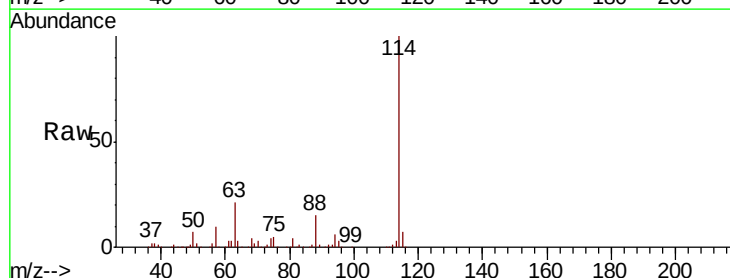
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBSD01

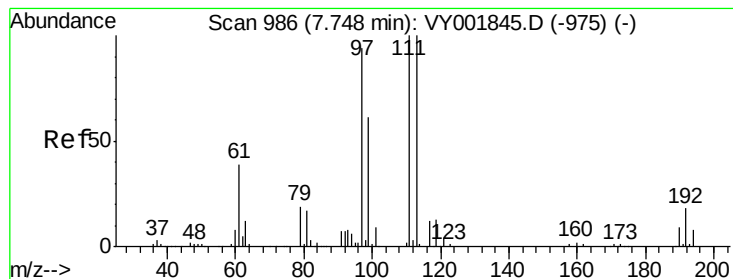
Tot Ion: 65 Resp: 104332
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion: 114 Resp: 329088
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.4
 88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.101 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBSD01

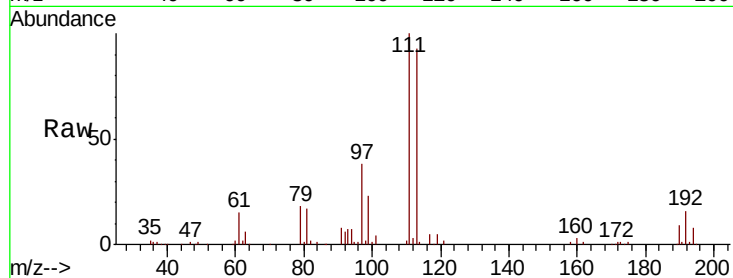
Tot Ion:113 Resp: 95420

Ion Ratio Lower Upper

113 100

111 104.7 81.8 122.8

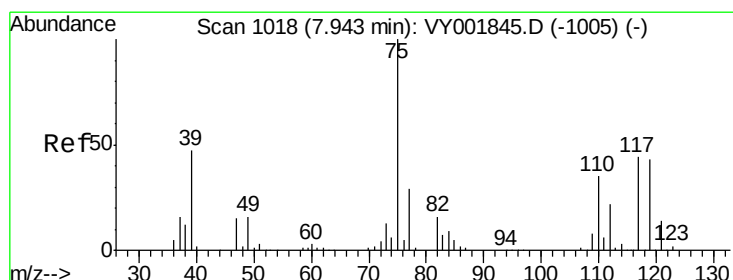
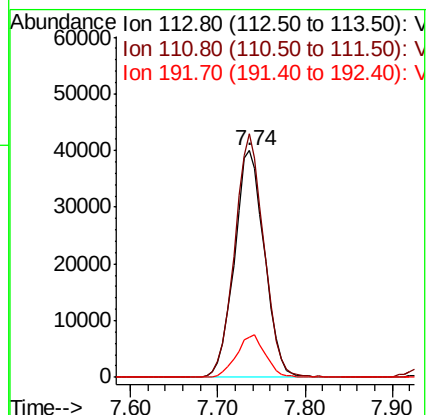
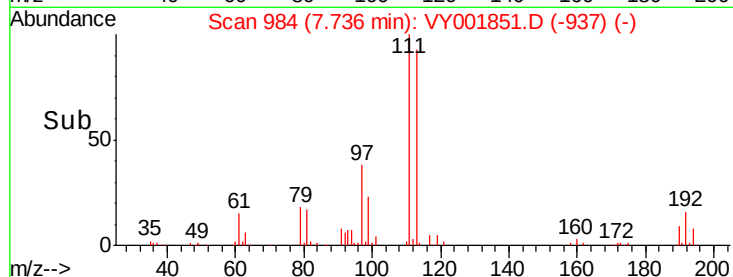
192 17.9 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.140 ug/l

RT: 7.94 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

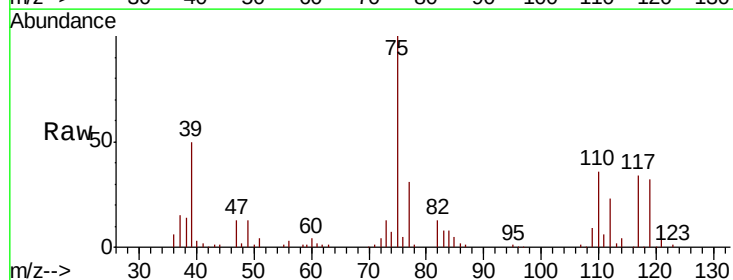
Tgt Ion: 75 Resp: 66947

Ion Ratio Lower Upper

75 100

110 35.1 17.4 52.2

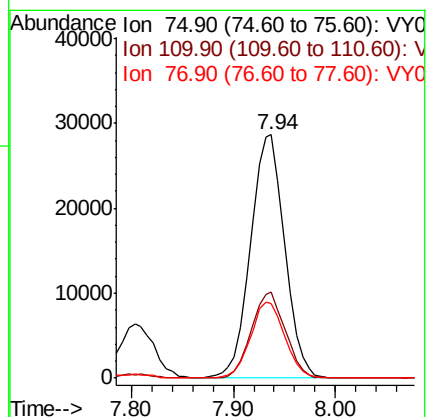
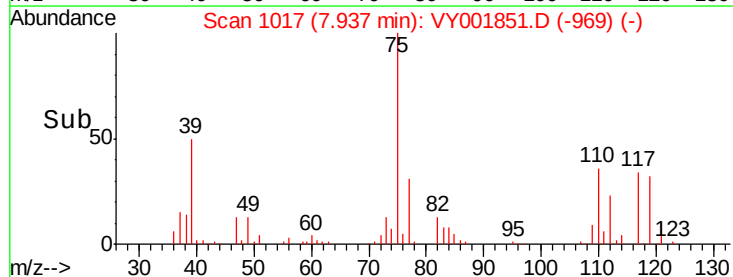
77 31.4 24.2 36.2

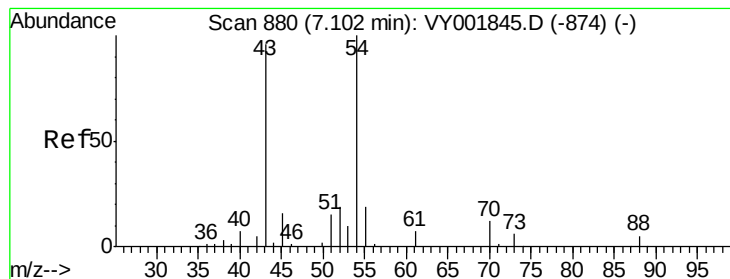


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 22.260 ug/l

RT: 7.10 min Scan# 879

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

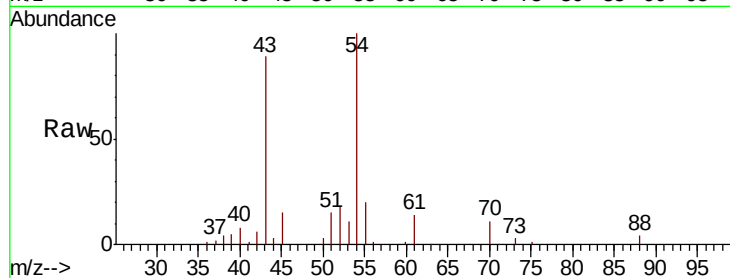
Tot Ion: 43 Resp: 40971

Ion Ratio Lower Upper

43 100

61 13.5 11.1 16.7

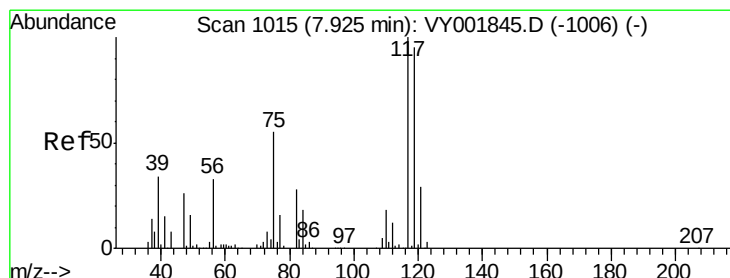
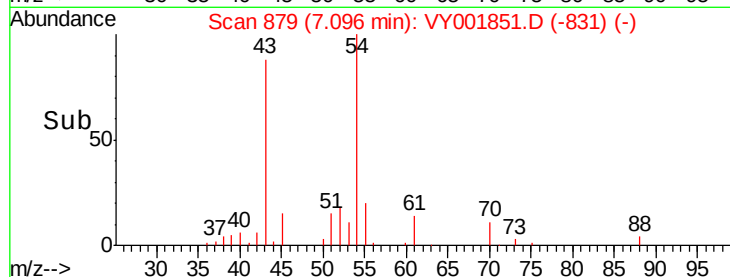
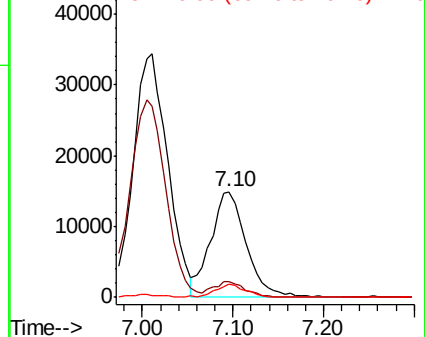
70 10.4 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0



#38

Carbon Tetrachloride

Concen: 20.980 ug/l

RT: 7.91 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

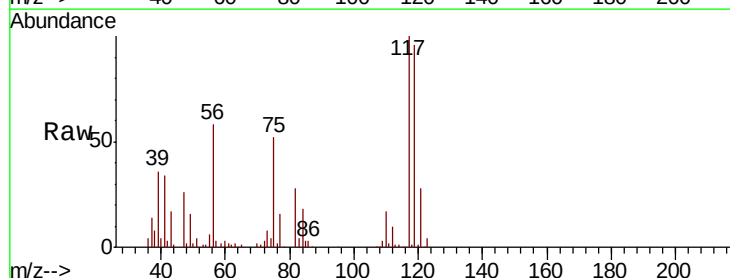
Tgt Ion: 117 Resp: 56758

Ion Ratio Lower Upper

117 100

119 96.4 76.3 114.5

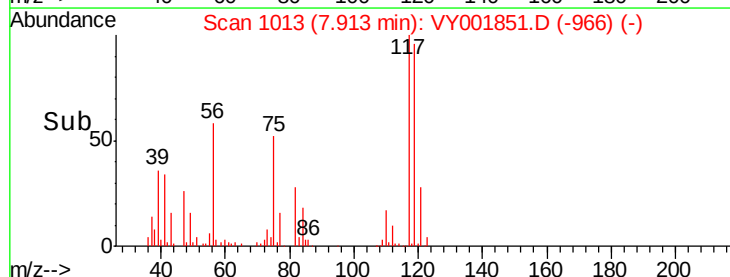
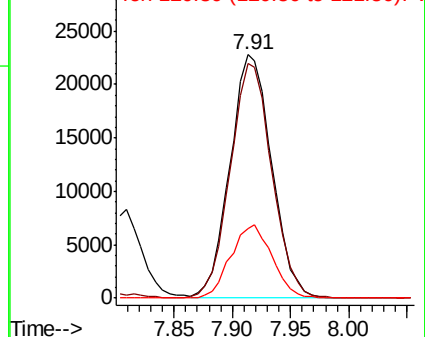
121 28.4 23.5 35.3

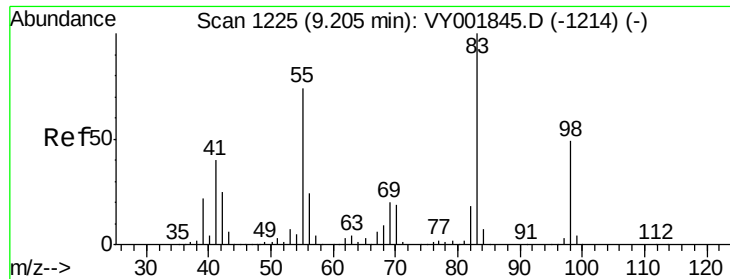


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

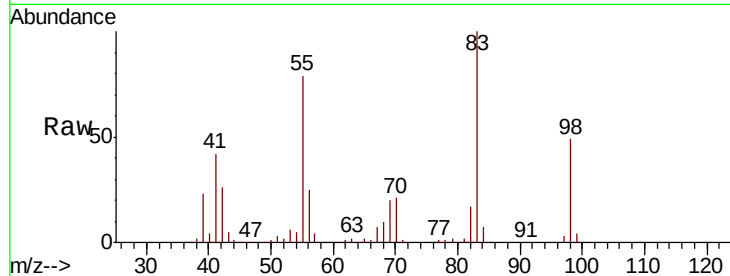




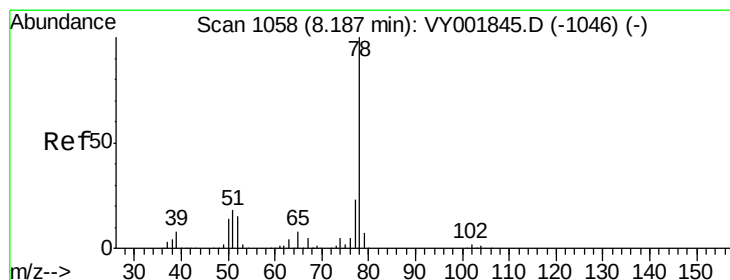
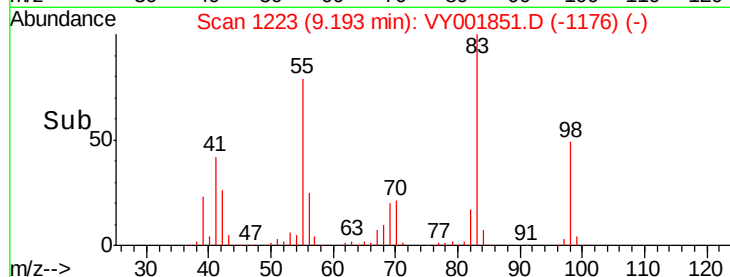
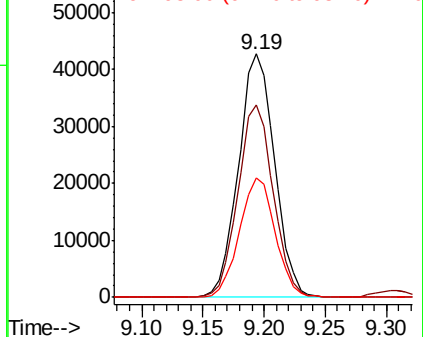
#39
Methylvlcyclohexane
Concen: 20.838 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

Tot Ion: 83 Resp: 87526
Ion Ratio Lower Upper
83 100
55 78.9 59.4 89.0
98 48.8 38.9 58.3

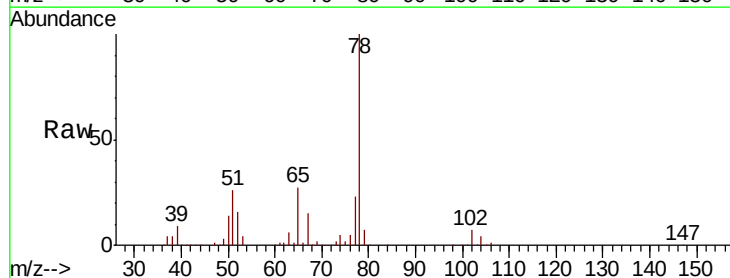


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

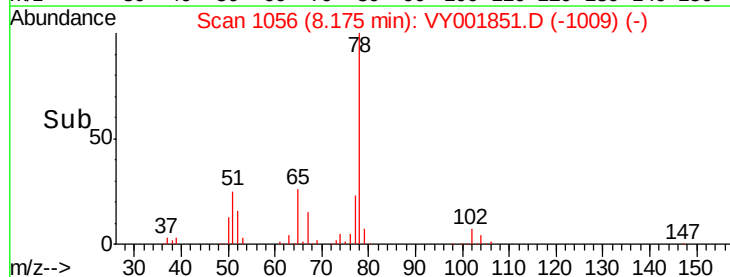
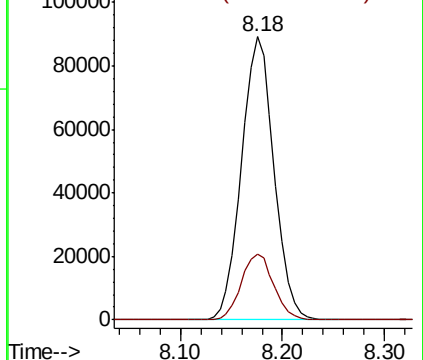


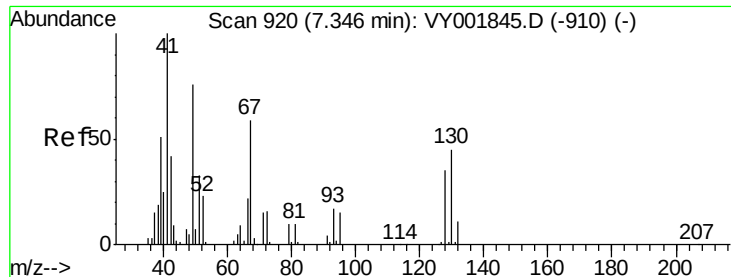
#40
Benzene
Concen: 21.000 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 78 Resp: 197119
Ion Ratio Lower Upper
78 100
77 23.1 18.7 28.1



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

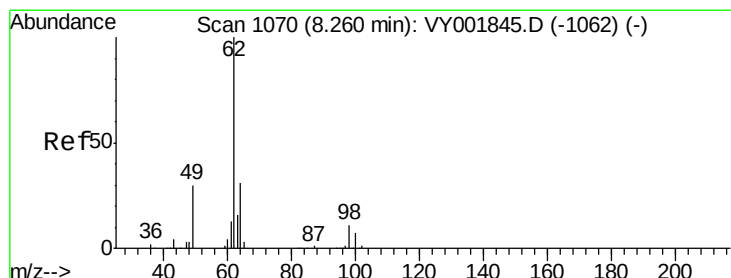
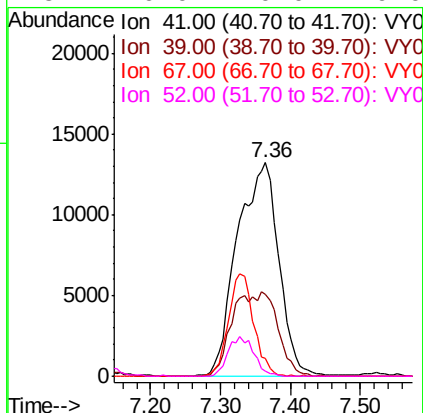
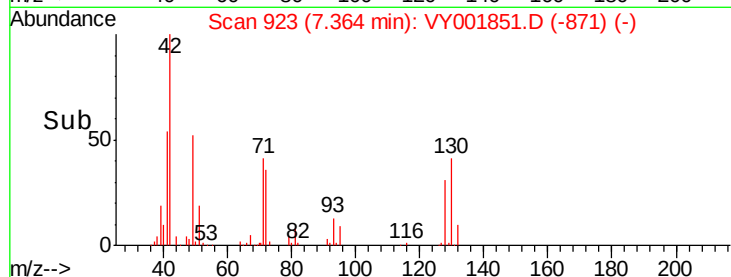
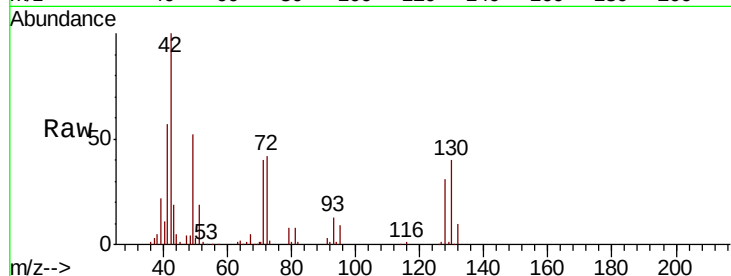




#41
Methacrylonitrile
Concen: 65.661 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.02 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

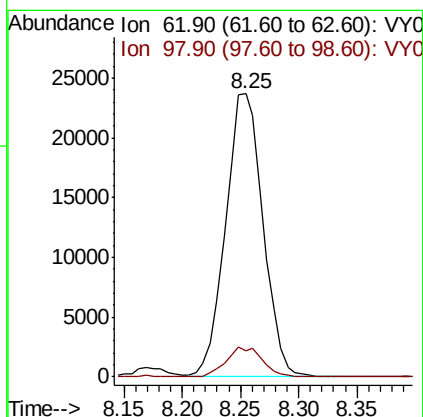
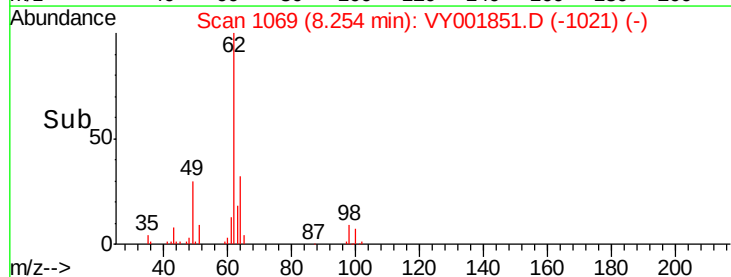
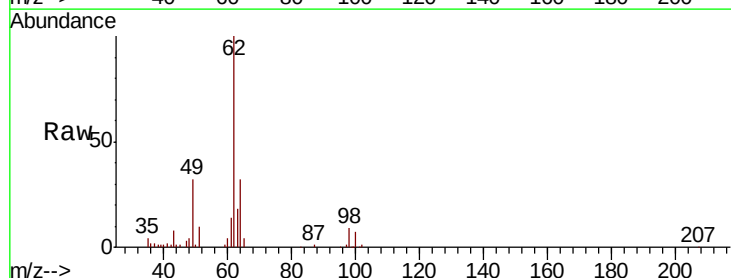
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

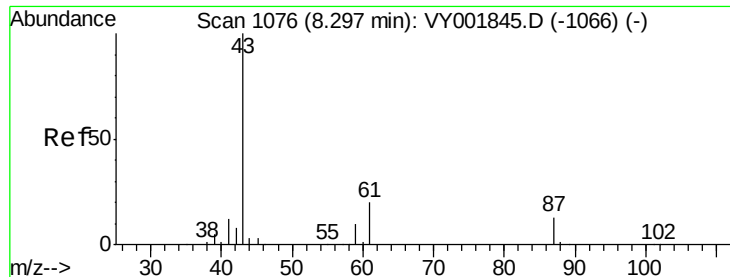
Tot Ion: 41 Resp: 54389
Ion Ratio Lower Upper
41 100
39 0.0 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 21.849 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 62 Resp: 52848
Ion Ratio Lower Upper
62 100
98 10.2 0.0 21.4





#43

Isopropyl Acetate

Concen: 21.488 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBSD01

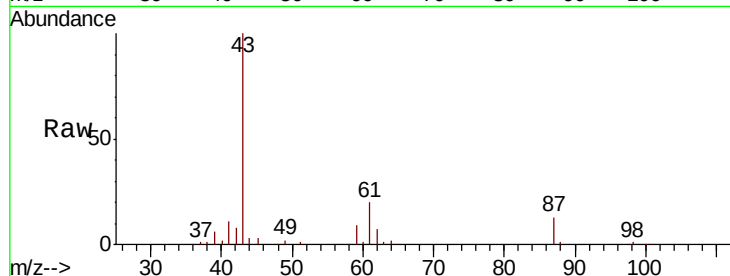
Tot Ion: 43 Resp: 74878

Ion Ratio Lower Upper

43 100

61 29.5 23.8 35.6

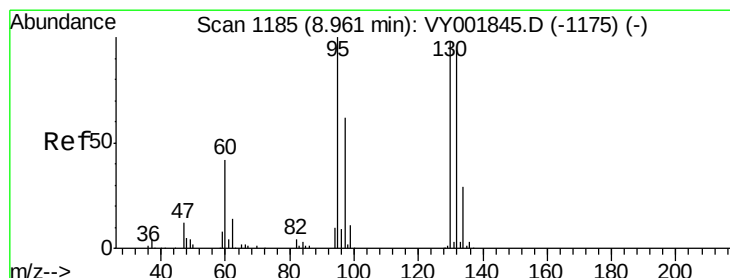
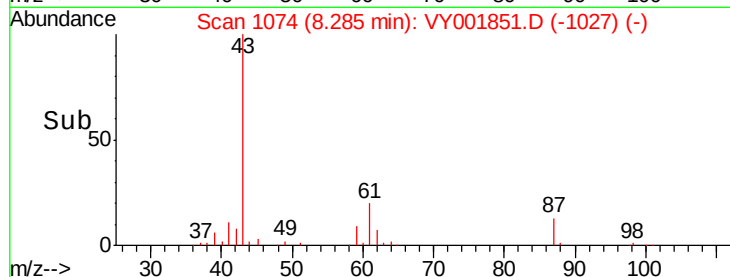
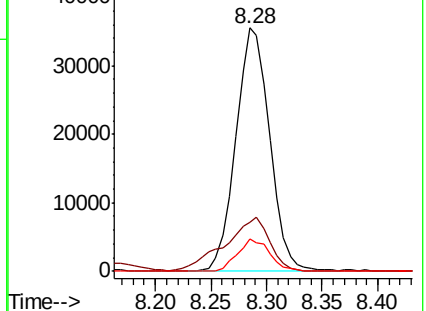
87 12.6 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#44

Trichloroethene

Concen: 20.905 ug/l

RT: 8.96 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VY001851.D

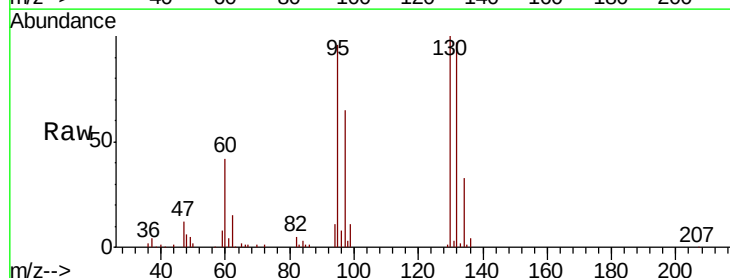
Acq: 04 Mar 2020 14:23

Tgt Ion:130 Resp: 47789

Ion Ratio Lower Upper

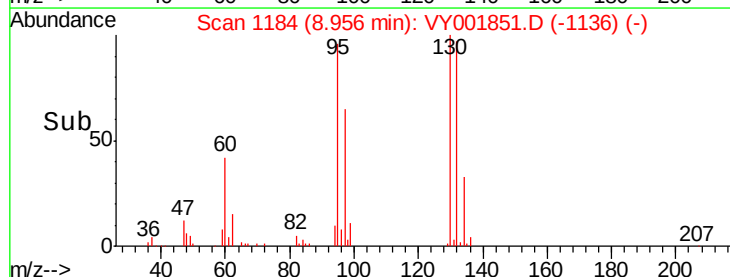
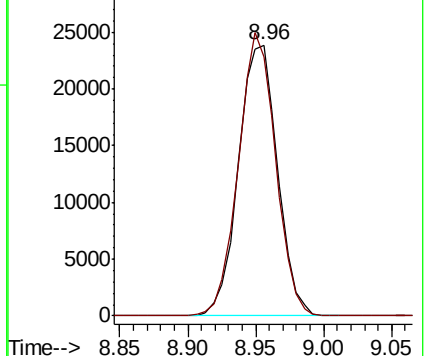
130 100

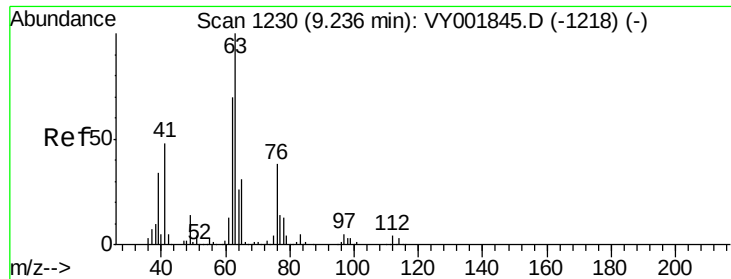
95 95.9 0.0 204.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 21.507 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

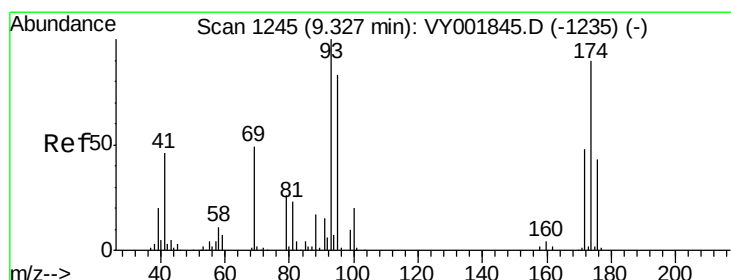
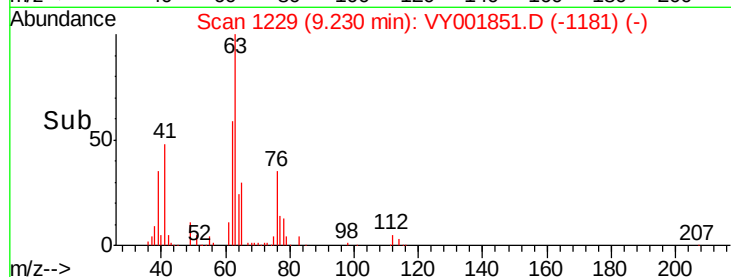
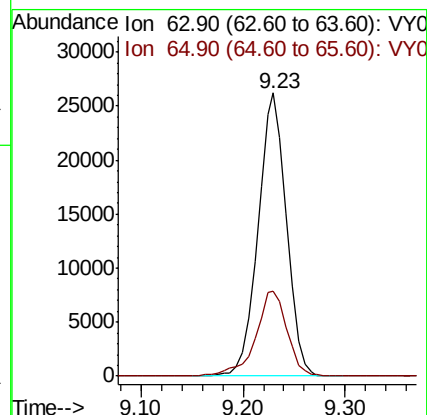
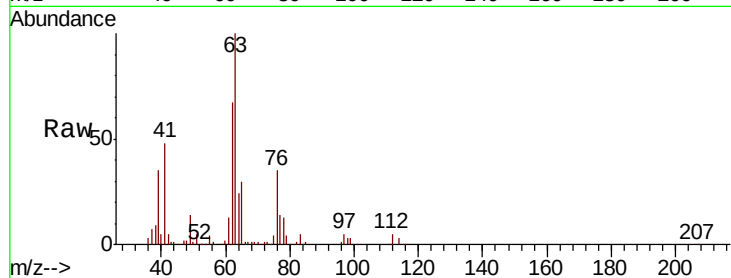
VY0304SBS01

Tot Ion: 63 Resp: 50747

Ion Ratio Lower Upper

63 100

65 29.9 24.9 37.3



#46

Dibromomethane

Concen: 21.545 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

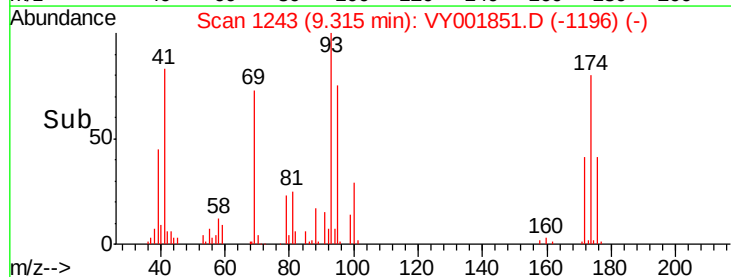
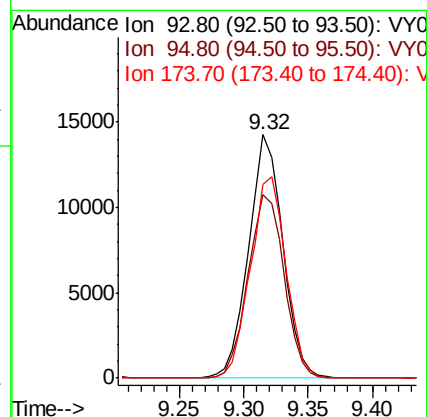
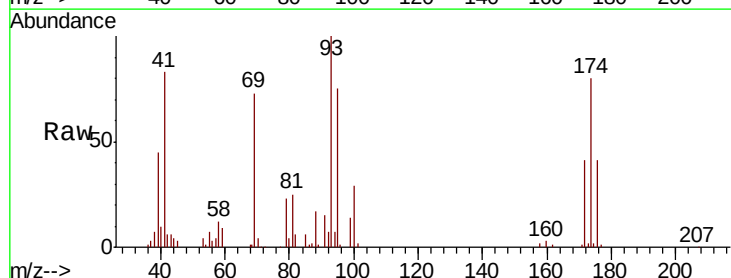
Tgt Ion: 93 Resp: 26198

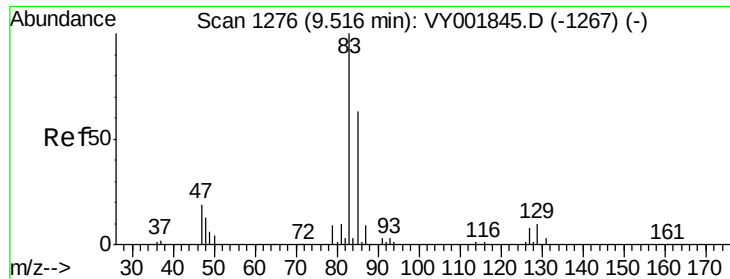
Ion Ratio Lower Upper

93 100

95 79.3 67.0 100.4

174 85.8 71.8 107.8





#47

Bromodichloromethane

Concen: 21.068 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBSD01

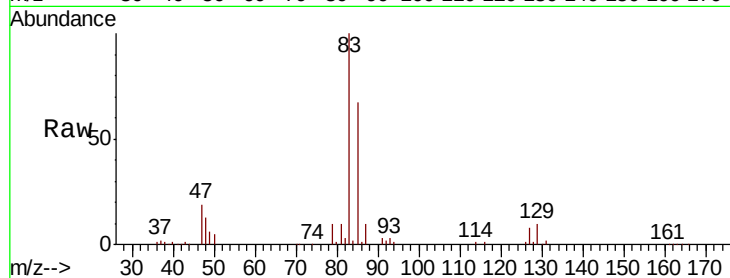
Tot Ion: 83 Resp: 59591

Ion Ratio Lower Upper

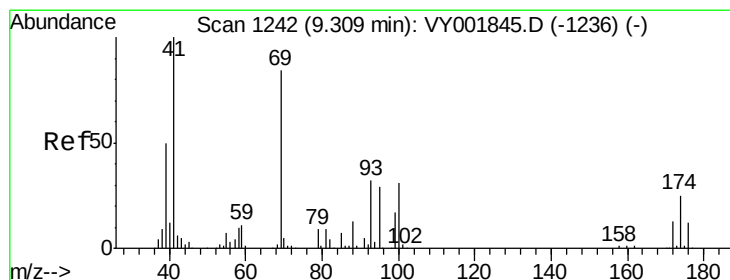
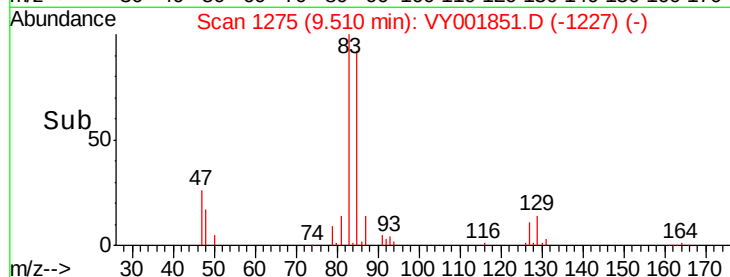
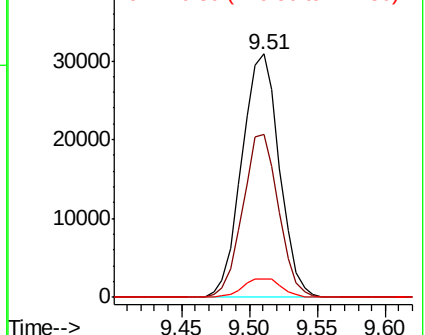
83 100

85 66.7 50.6 76.0

127 7.5 6.2 9.4



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



#48

Methyl methacrylate

Concen: 22.282 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

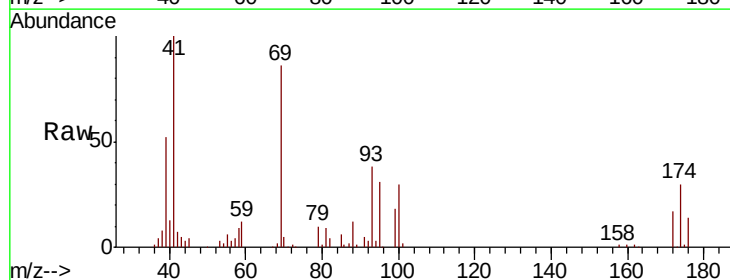
Tgt Ion: 41 Resp: 34454

Ion Ratio Lower Upper

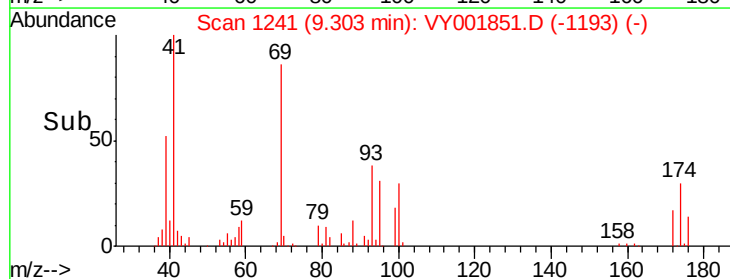
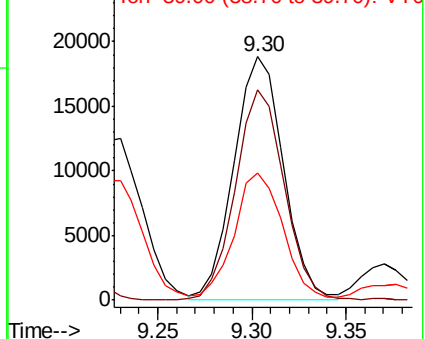
41 100

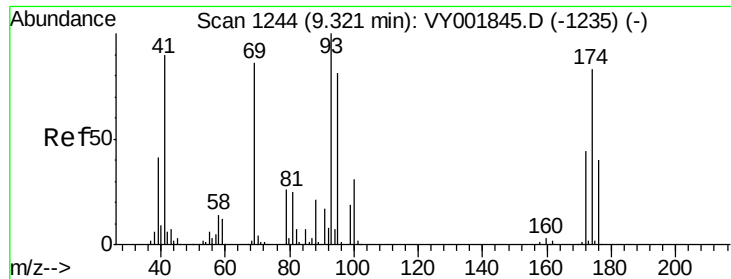
69 84.8 69.0 103.6

39 52.0 39.1 58.7



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





#49

1,4-Dioxane

Concen: 395.460 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

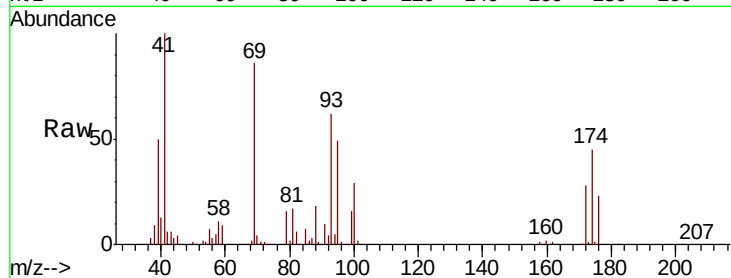
Tot Ion: 88 Resp: 6589

Ion Ratio Lower Upper

88 100

43 34.0 25.0 37.6

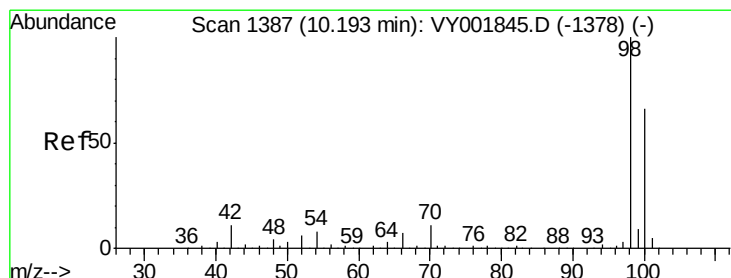
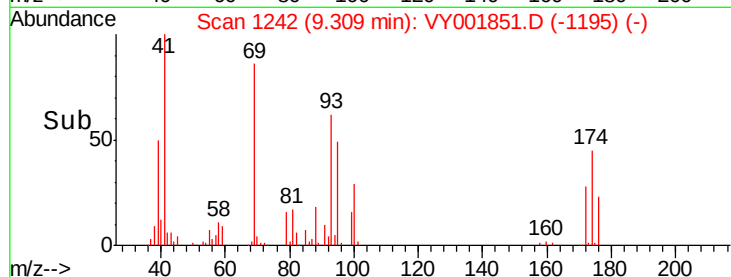
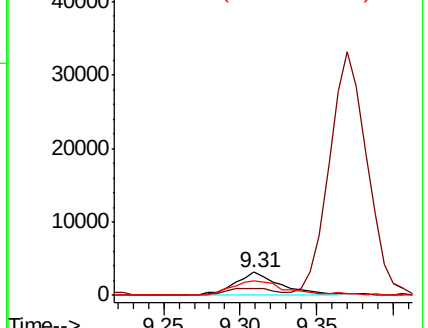
58 70.6 58.9 88.3



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: 53.416 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001851.D

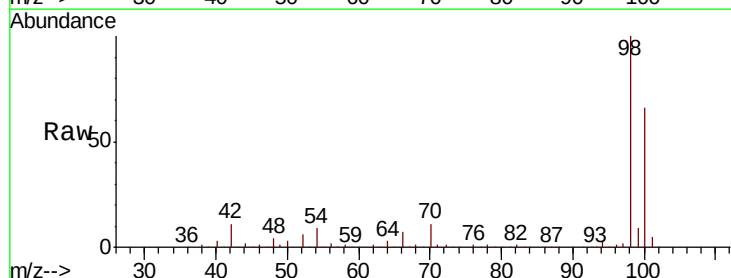
Acq: 04 Mar 2020 14:23

Tgt Ion: 98 Resp: 404760

Ion Ratio Lower Upper

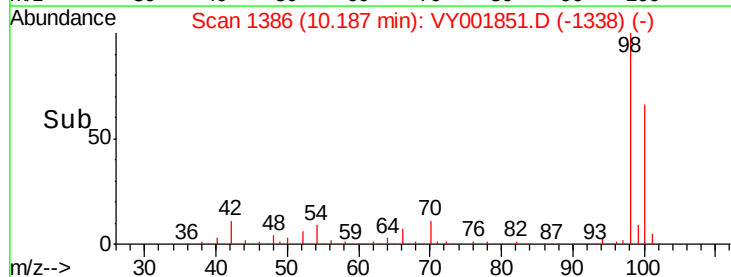
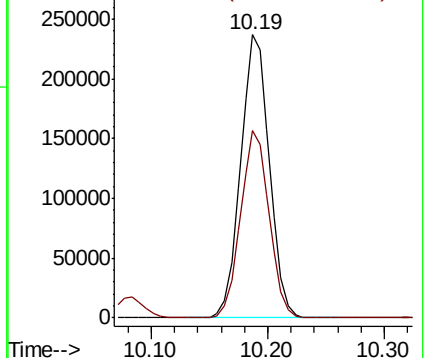
98 100

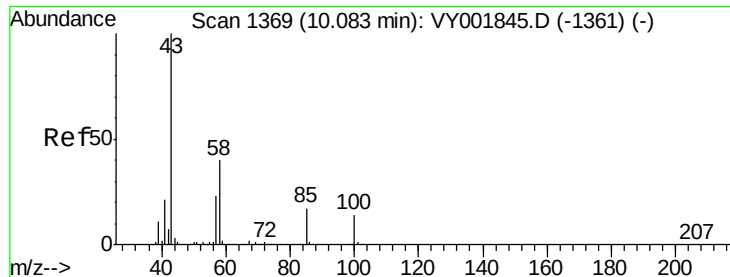
100 65.8 53.0 79.4



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: 108.321 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

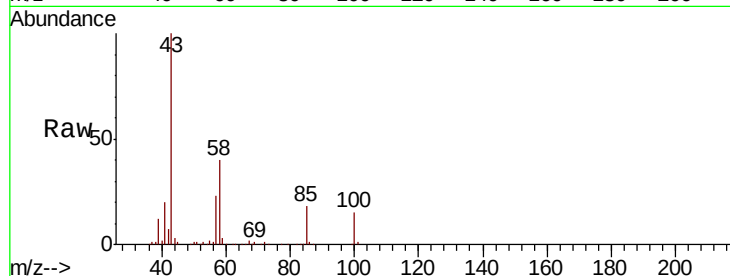
VY0304SBS01

Tot Ion: 43 Resp: 194423

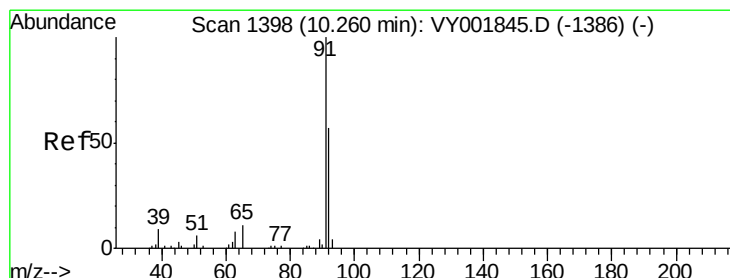
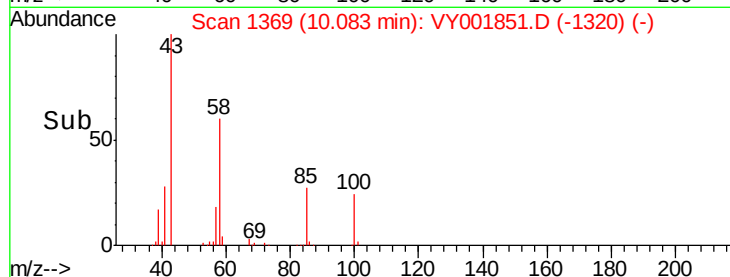
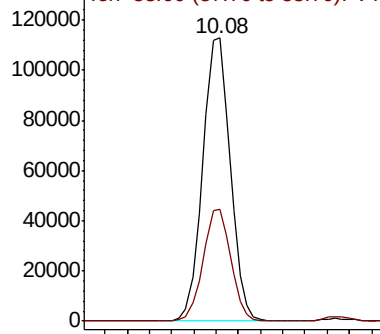
Ion Ratio Lower Upper

43 100

58 39.7 32.0 48.0



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



#52

Toluene

Concen: 21.315 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001851.D

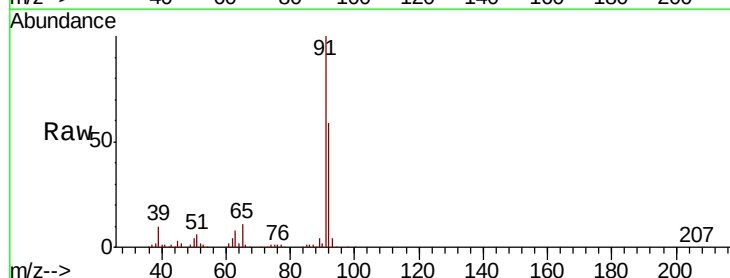
Acq: 04 Mar 2020 14:23

Tgt Ion: 92 Resp: 121542

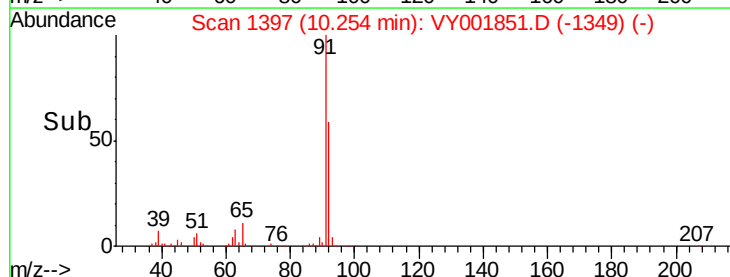
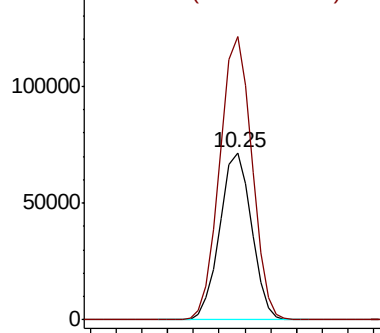
Ion Ratio Lower Upper

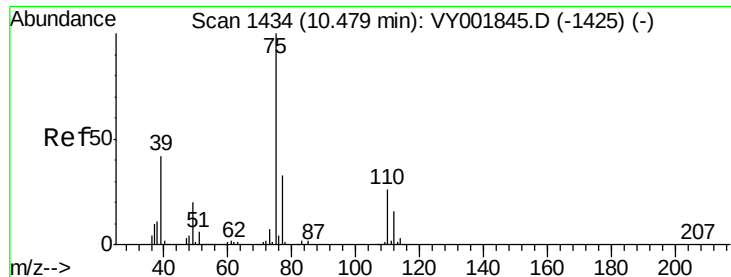
92 100

91 171.7 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0
Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 21.613 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

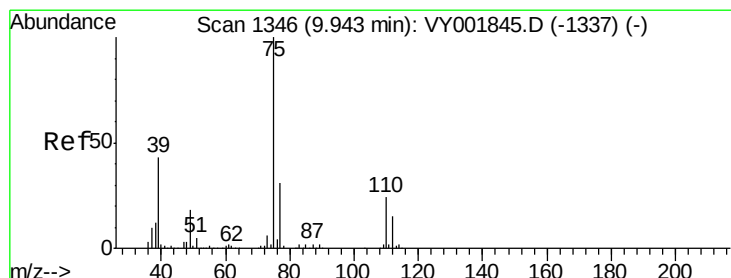
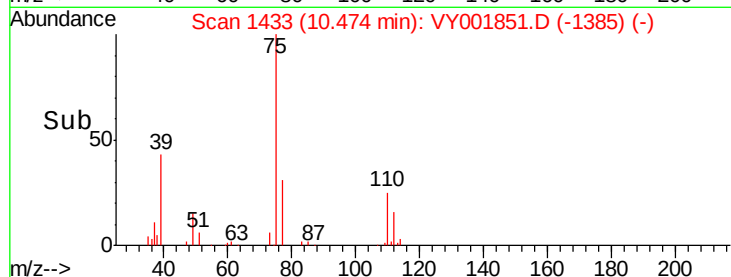
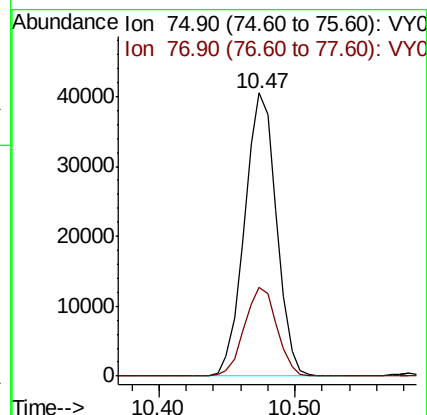
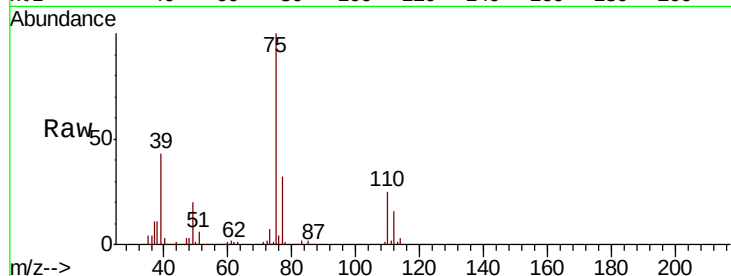
VY0304SBS01

Tot Ion: 75 Resp: 66603

Ion Ratio Lower Upper

75 100

77 31.6 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 21.436 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

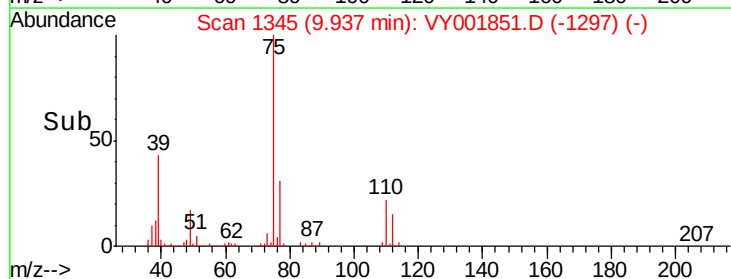
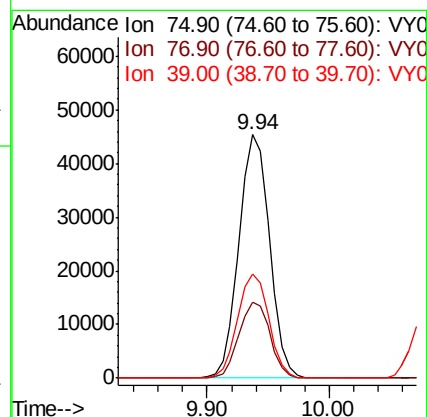
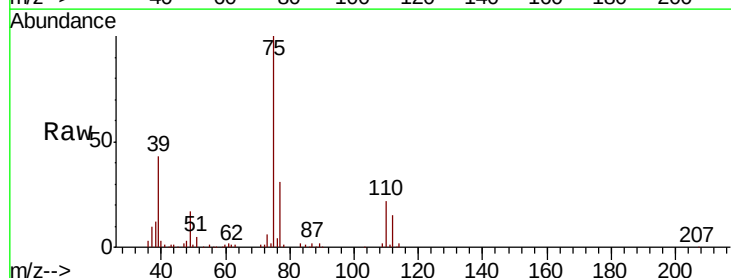
Tgt Ion: 75 Resp: 78639

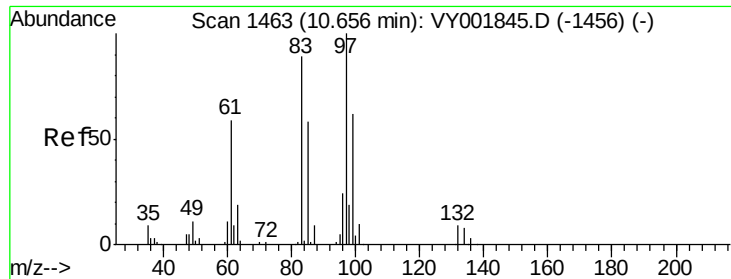
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 42.9 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 21.089 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 97 Resp: 37529

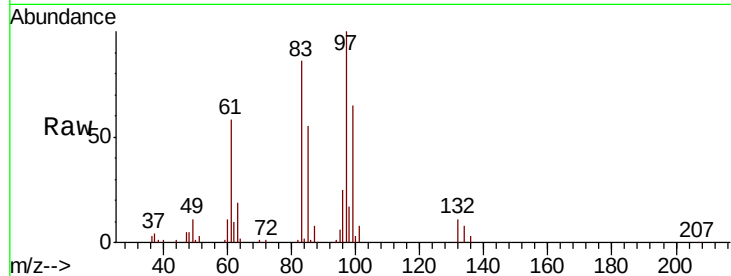
Ion Ratio Lower Upper

97 100

83 85.6 71.6 107.4

85 55.1 46.6 69.8

99 64.8 49.8 74.6

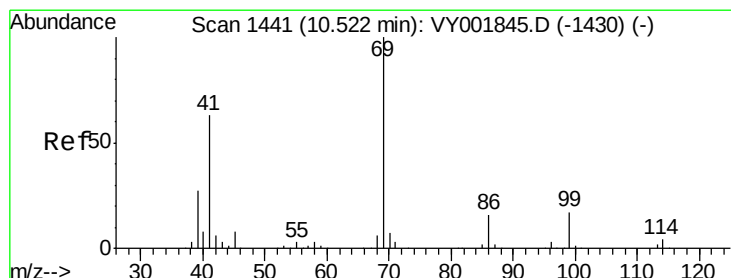
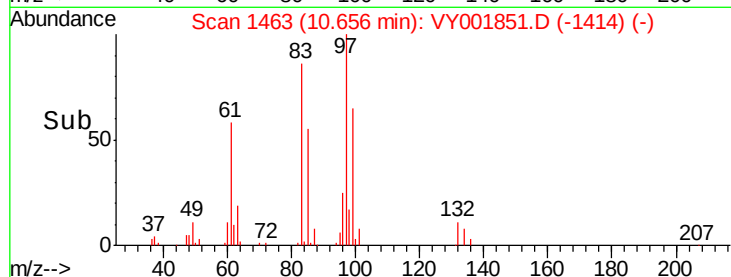
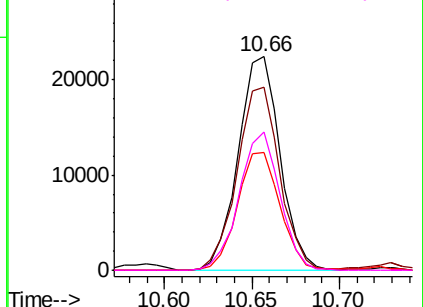


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 21.723 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

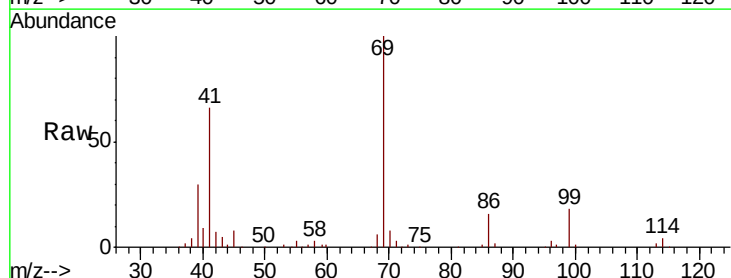
Tgt Ion: 69 Resp: 56661

Ion Ratio Lower Upper

69 100

41 65.4 49.9 74.9

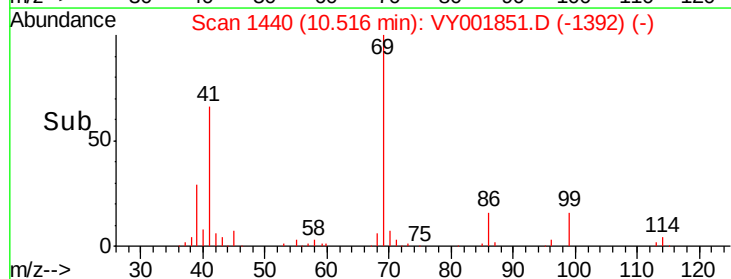
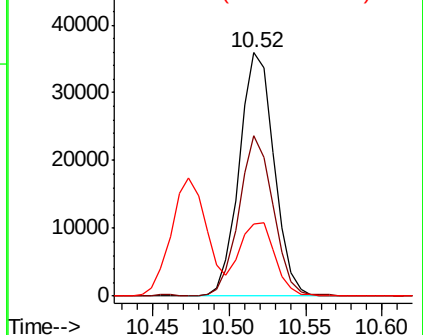
39 30.7 23.0 34.6

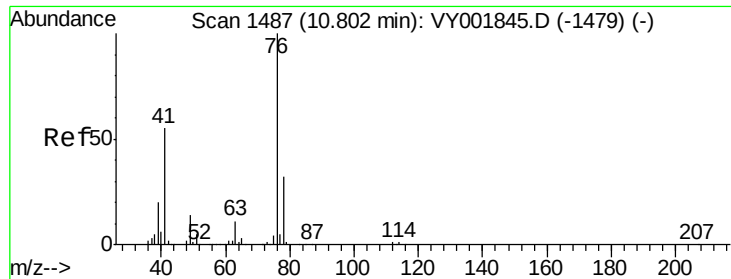


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 21.441 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

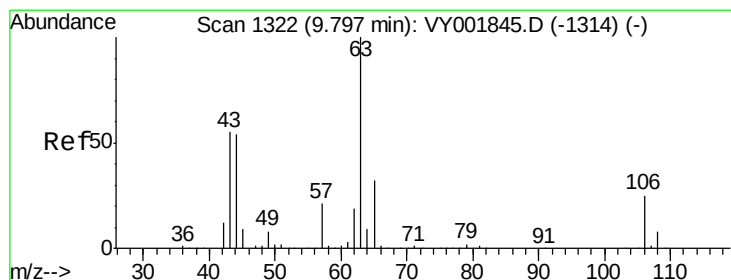
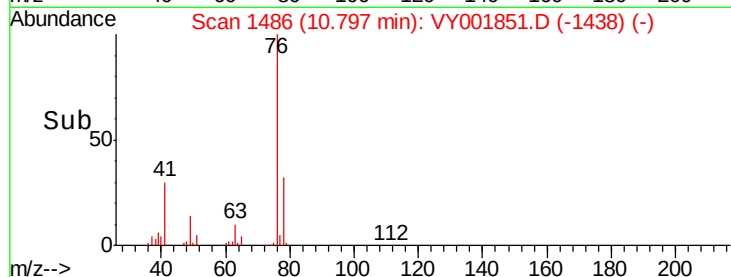
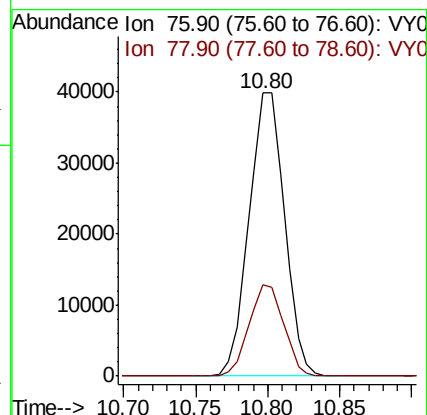
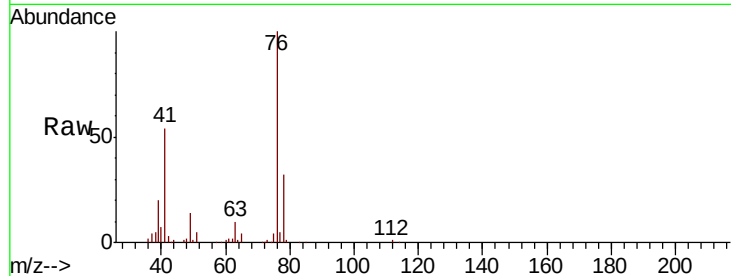
VY0304SBS01

Tot Ion: 76 Resp: 68013

Ion Ratio Lower Upper

76 100

78 31.6 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 140.378 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VY001851.D

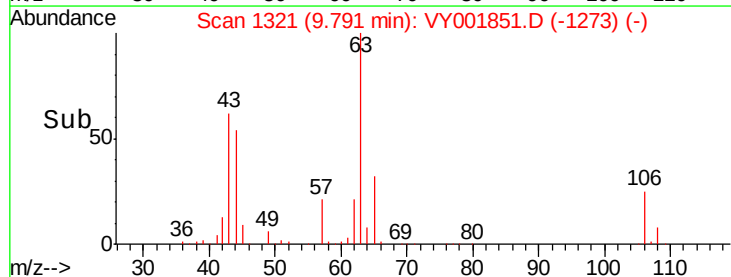
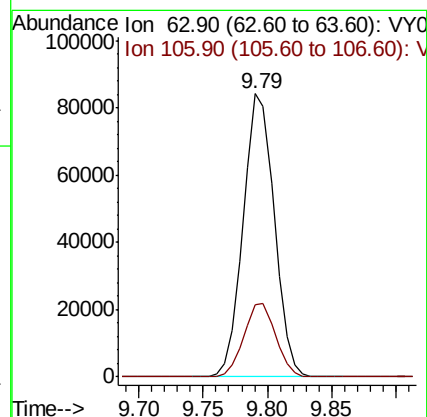
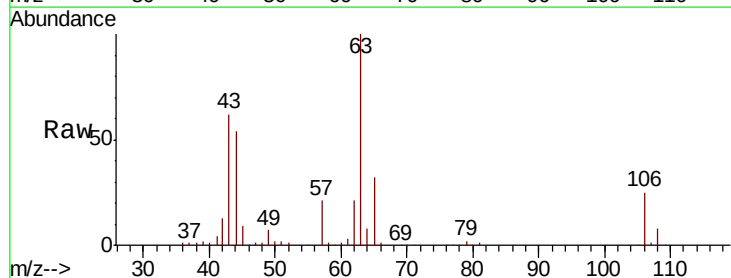
Acq: 04 Mar 2020 14:23

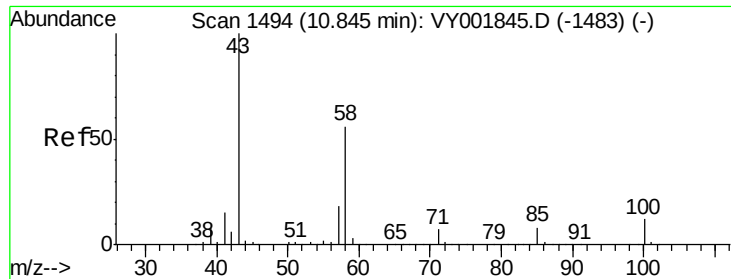
Tgt Ion: 63 Resp: 140853

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9

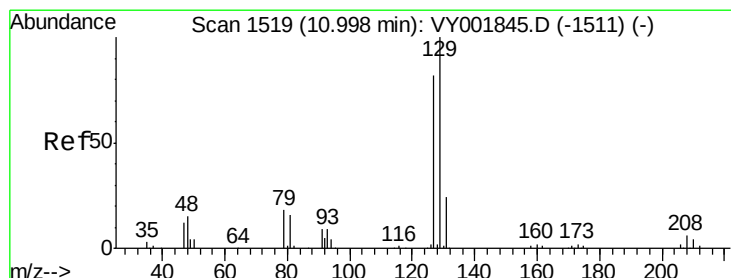
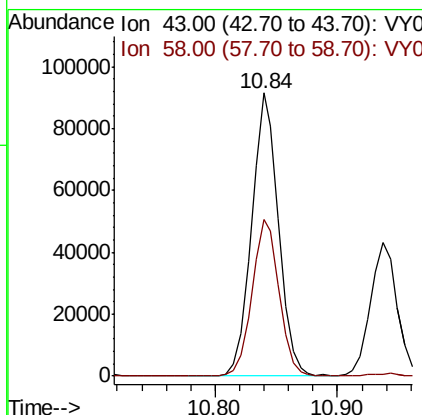
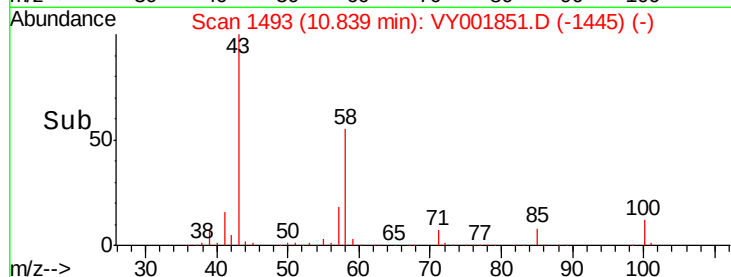
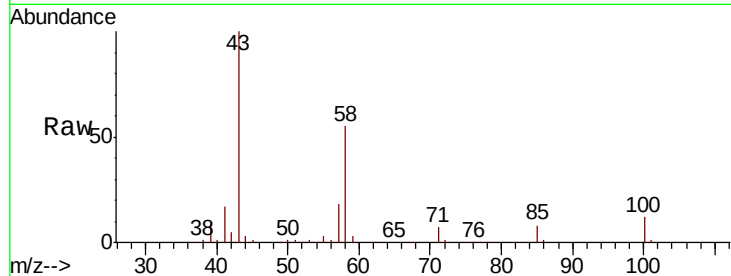




#59
2-Hexanone
Concen: 109.175 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

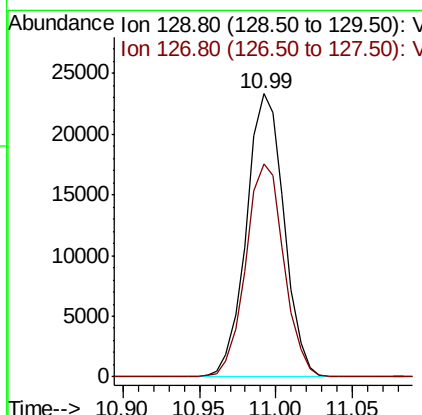
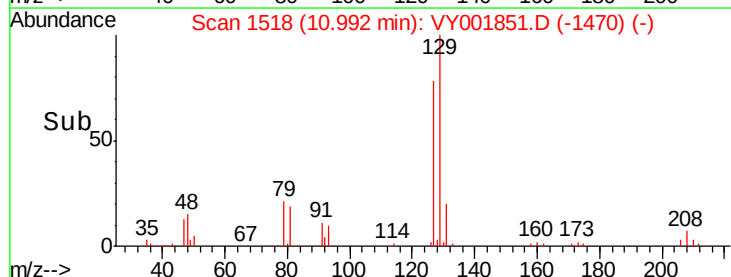
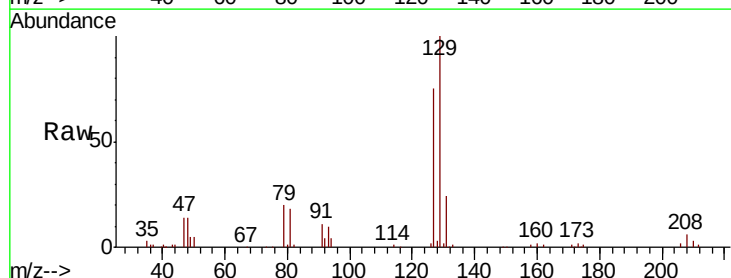
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

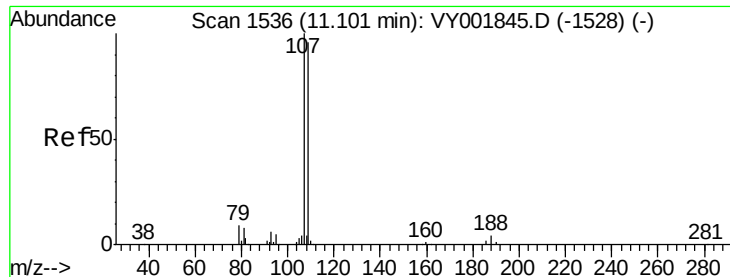
Tot Ion: 43 Resp: 139864
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.3



#60
Dibromochloromethane
Concen: 21.268 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion:129 Resp: 39880
Ion Ratio Lower Upper
129 100
127 76.1 39.0 117.0





#61

1,2-Dibromoethane

Concen: 21.684 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

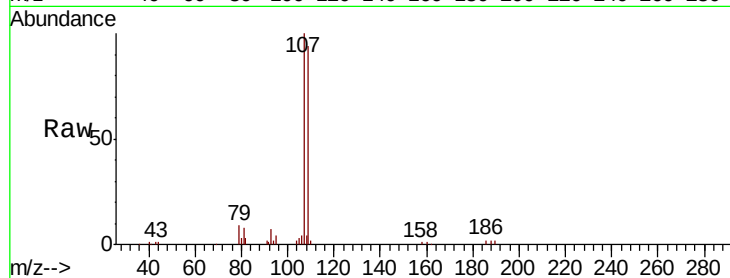
VY0304SBSD01

Tot Ion:107 Resp: 36552

Ion Ratio Lower Upper

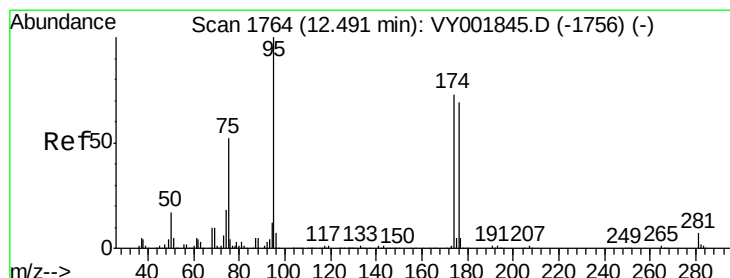
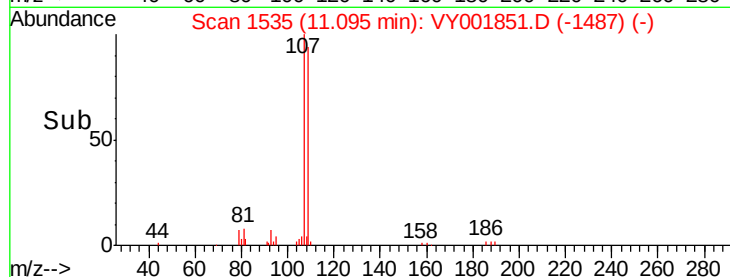
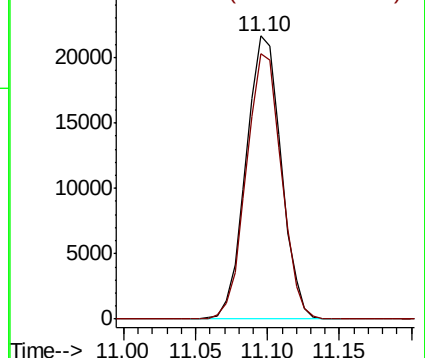
107 100

109 93.4 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.166 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

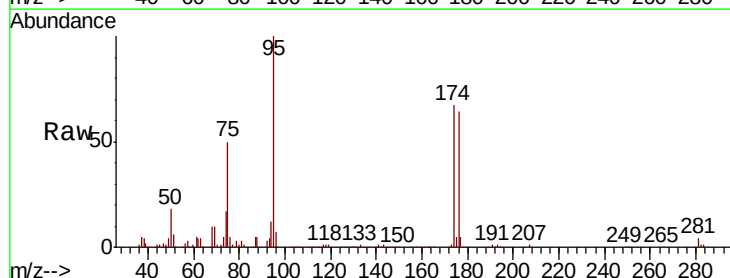
Tgt Ion: 95 Resp: 140081

Ion Ratio Lower Upper

95 100

174 72.8 0.0 145.0

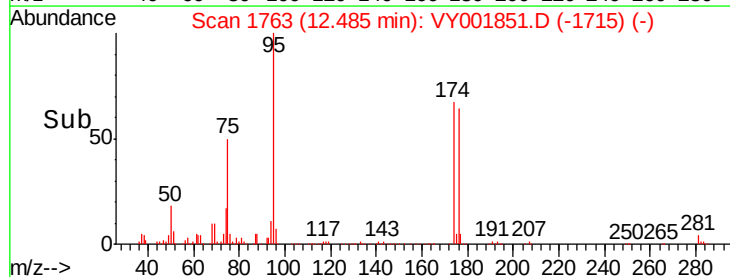
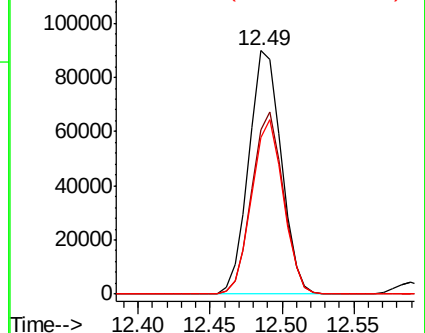
176 69.8 0.0 137.4

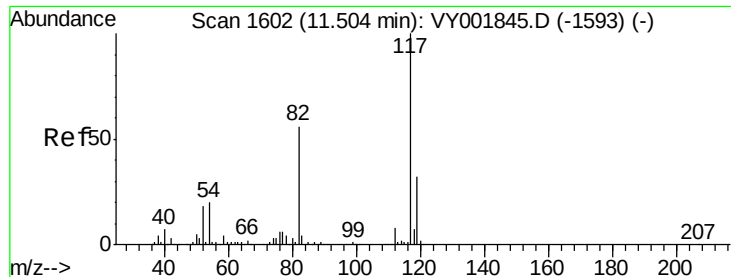


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

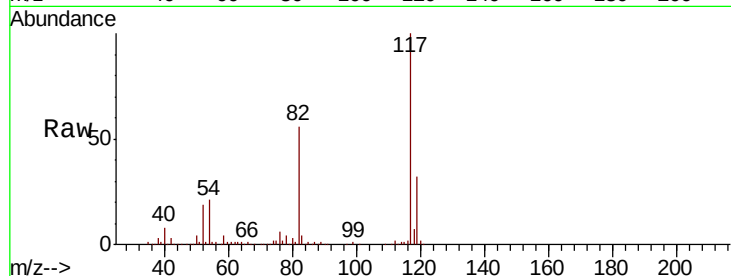




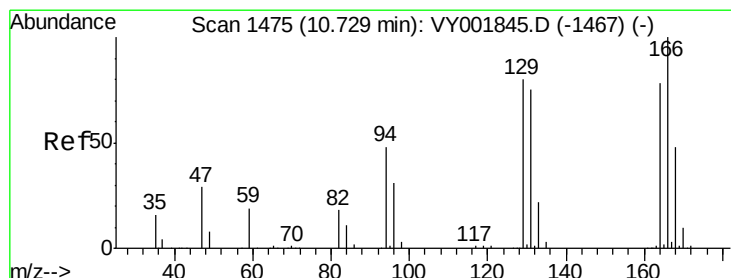
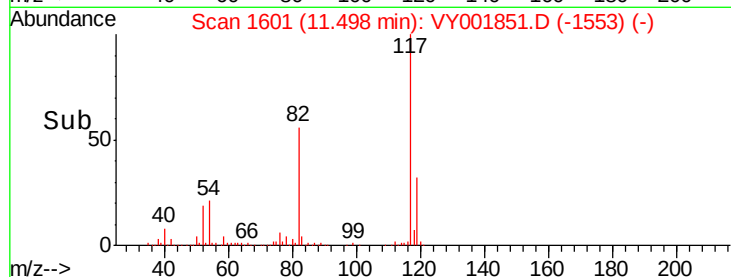
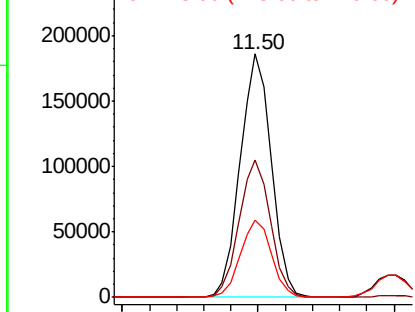
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion:117 Resp: 297213
Ion Ratio Lower Upper
117 100
82 56.5 44.5 66.7
119 31.6 25.7 38.5

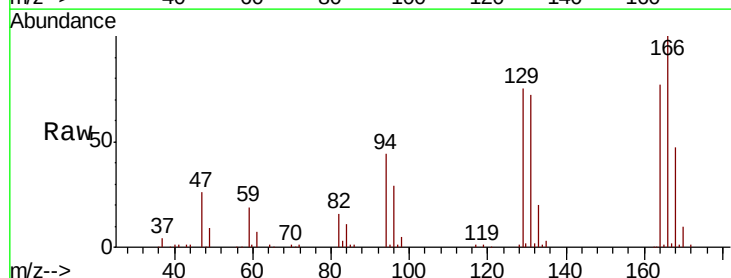


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

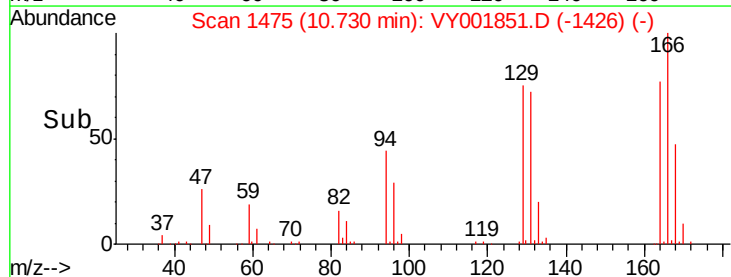
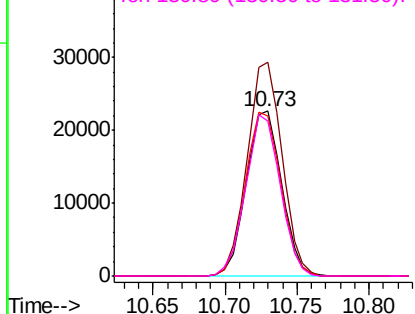


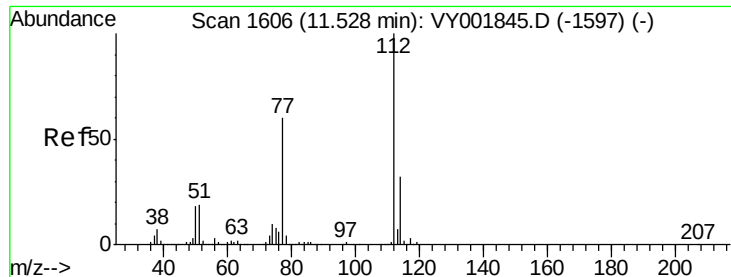
#64
Tetrachloroethene
Concen: 20.589 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion:164 Resp: 38376
Ion Ratio Lower Upper
164 100
166 129.7 102.6 154.0
129 97.3 82.3 123.5
131 93.9 77.4 116.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

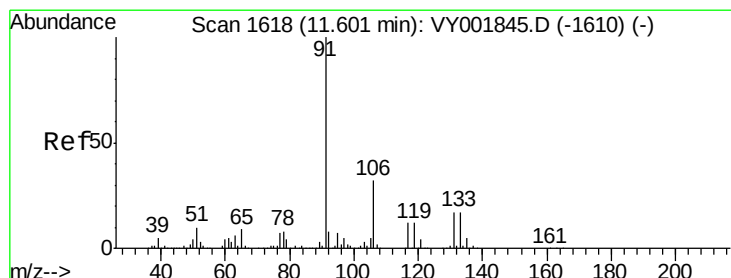
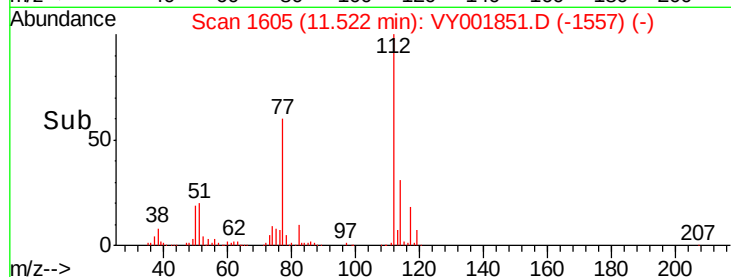
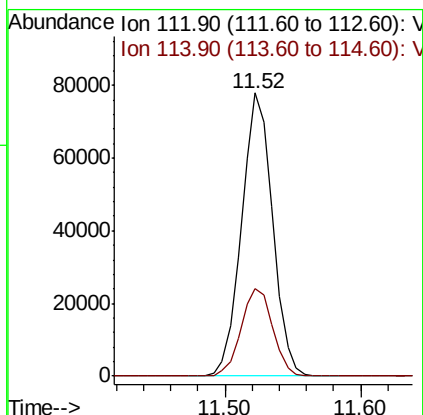
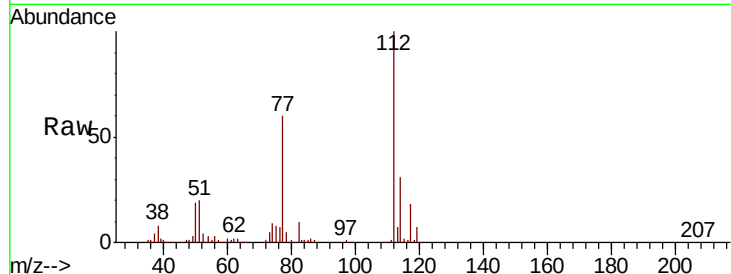




#65
Chlorobenzene
Concen: 20.895 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

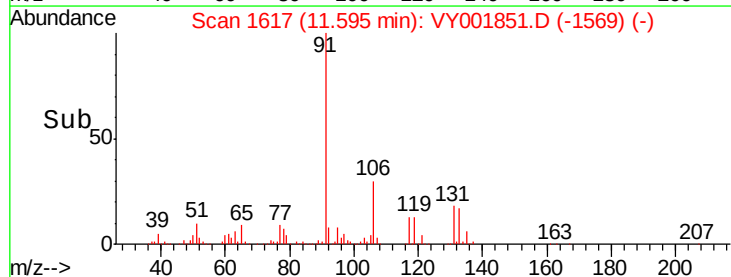
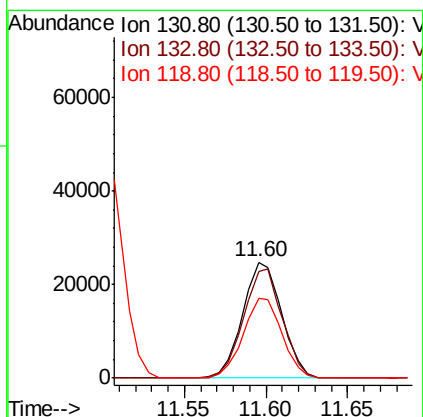
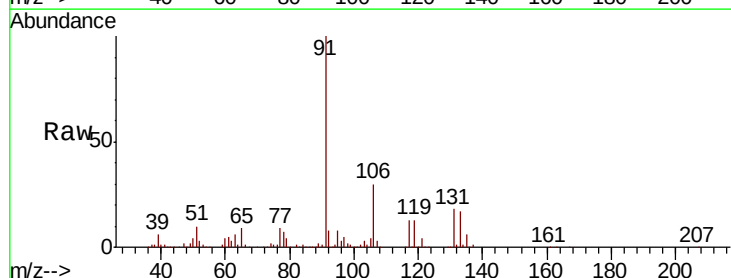
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

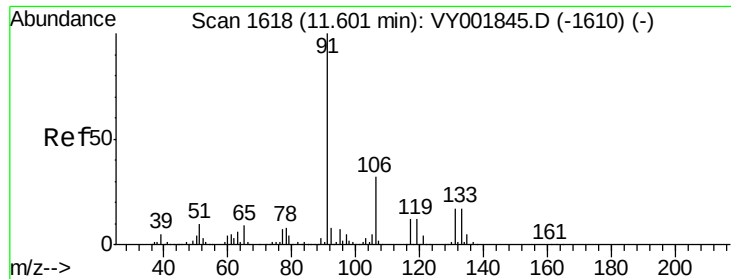
Tot Ion:112 Resp: 123742
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.210 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion:131 Resp: 41190
Ion Ratio Lower Upper
131 100
133 93.7 47.1 141.3
119 69.0 34.5 103.6

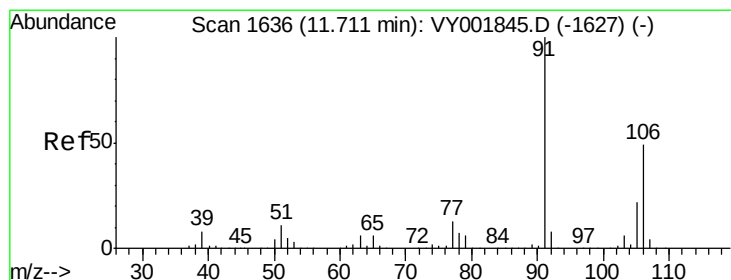
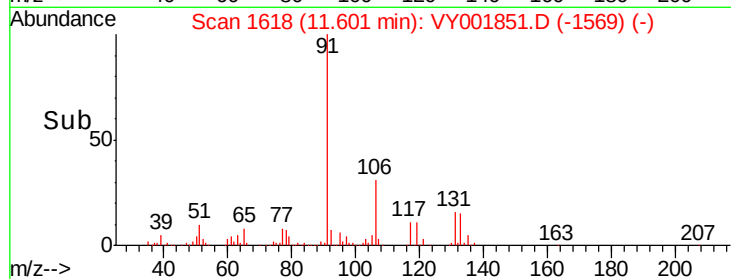
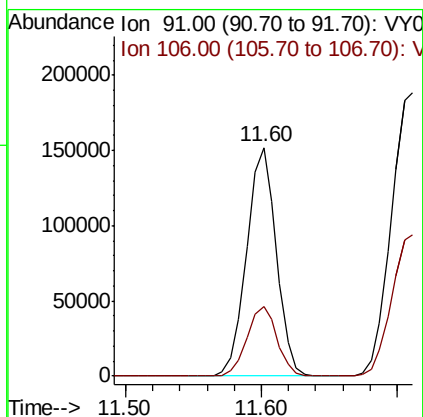
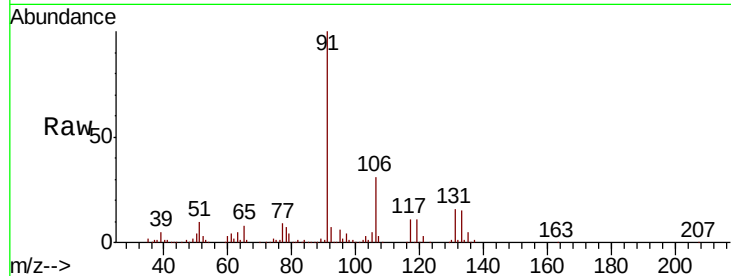




#67
Ethyl Benzene
Concen: 21.017 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

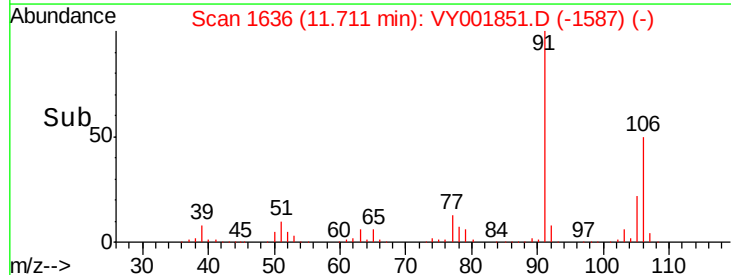
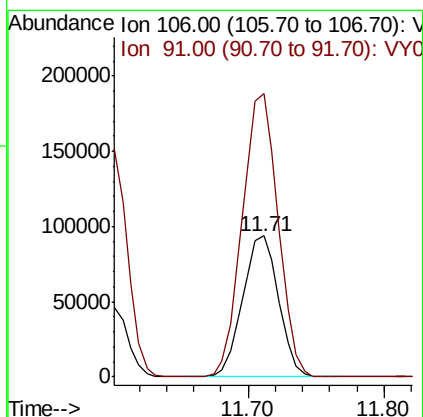
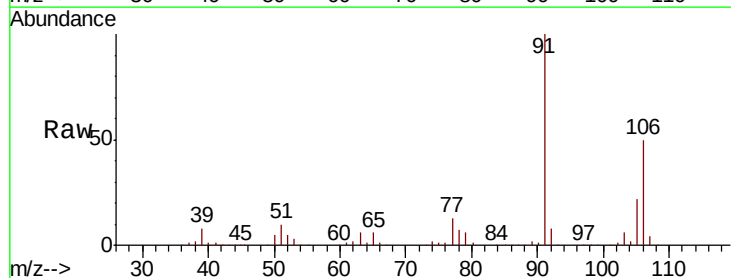
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

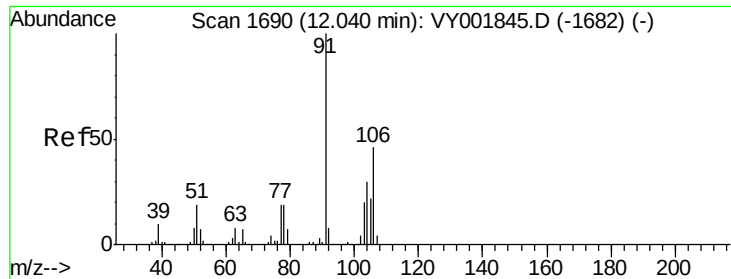
Tot Ion: 91 Resp: 232126
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2



#68
m/p-Xylenes
Concen: 42.225 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 106 Resp: 172419
Ion Ratio Lower Upper
106 100
91 201.8 161.3 241.9

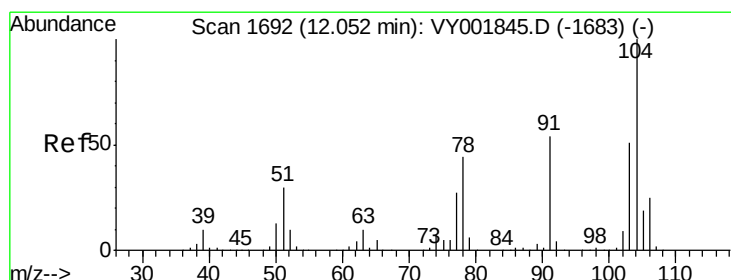
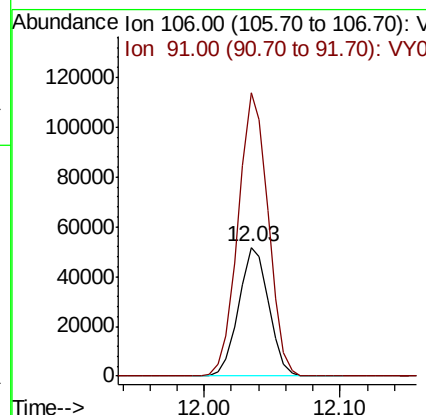
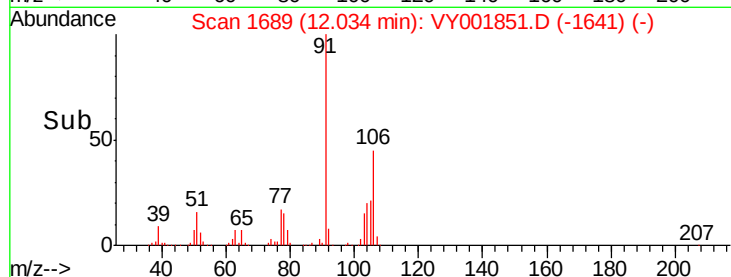
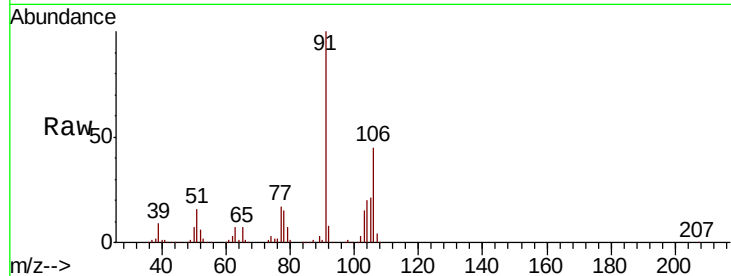




#69
o-Xylene
Concen: 20.715 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

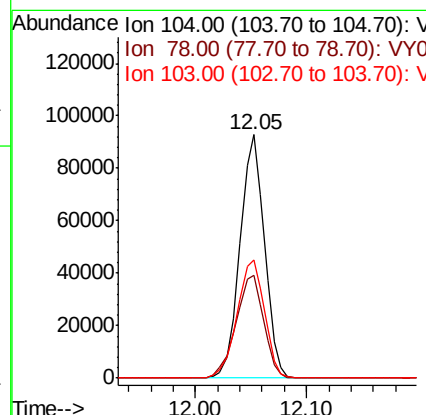
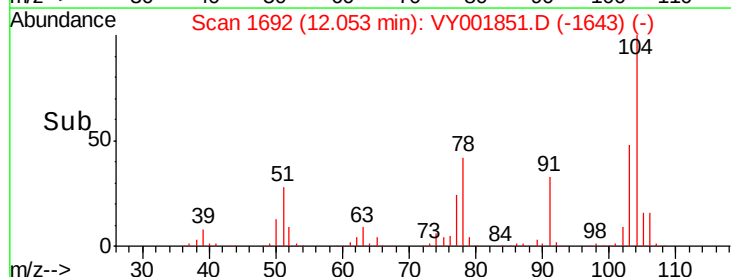
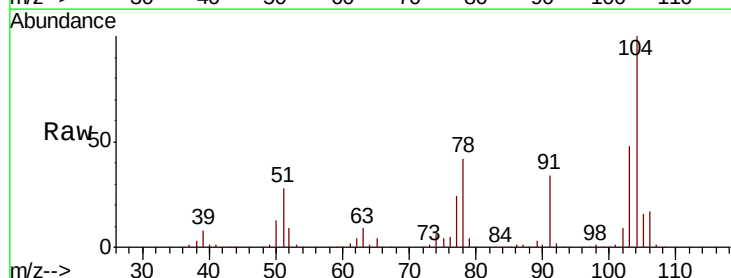
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

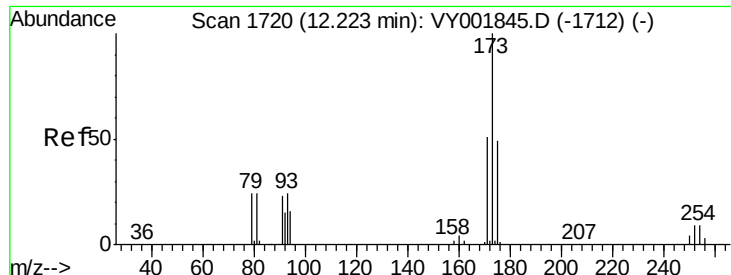
Tot Ion:106 Resp: 79723
Ion Ratio Lower Upper
106 100
91 219.8 106.8 320.4



#70
Styrene
Concen: 21.385 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion:104 Resp: 140964
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 54.1 42.9 64.3





#71

Bromoform

Concen: 20.754 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBSD01

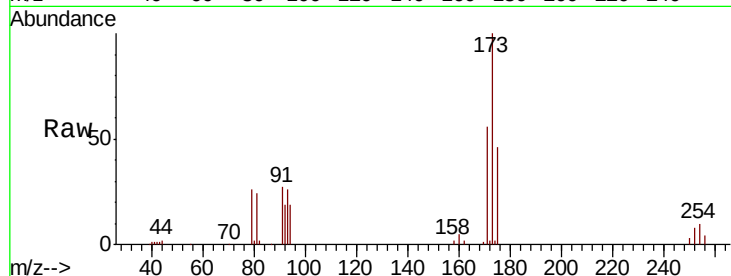
Tot Ion:173 Resp: 21858

Ion Ratio Lower Upper

173 100

175 49.6 24.3 72.8

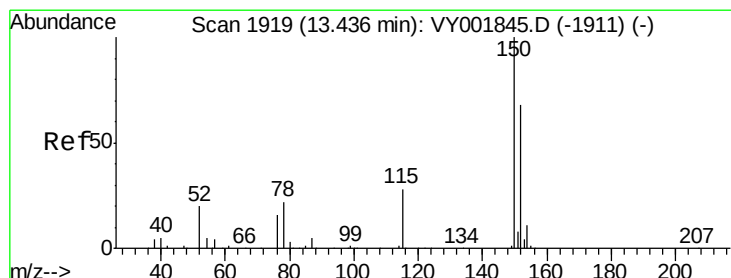
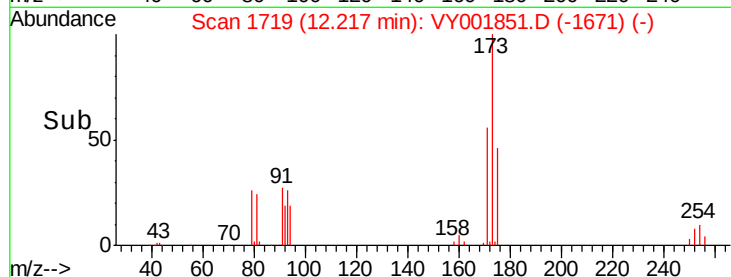
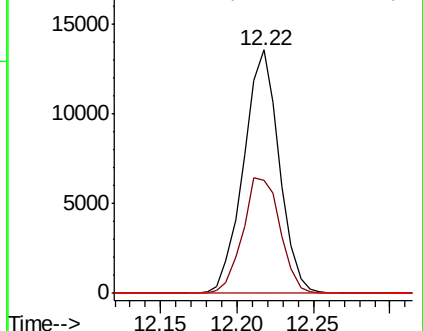
254 0.0 0.0 0.0



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: VY001851.D

Acq: 04 Mar 2020 14:23

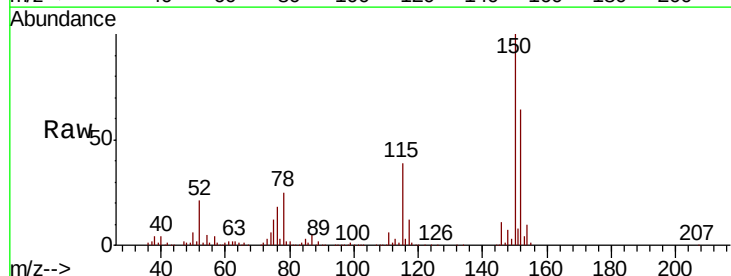
Tgt Ion:152 Resp: 139641

Ion Ratio Lower Upper

152 100

115 62.0 29.9 89.7

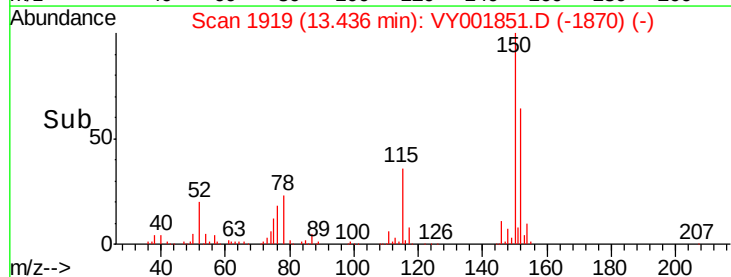
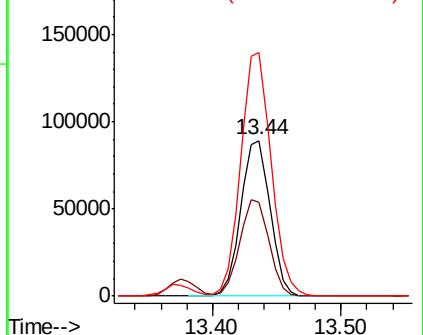
150 163.0 0.0 340.6

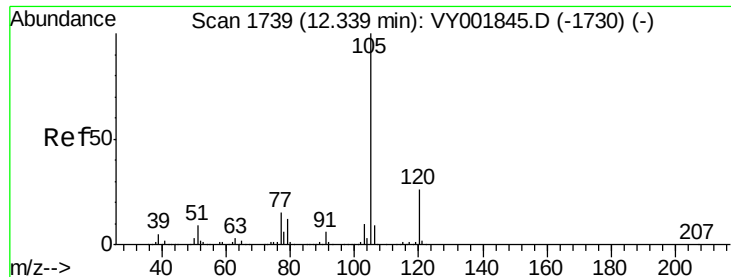


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.644 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

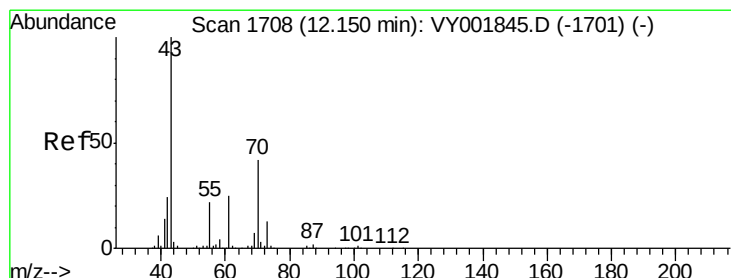
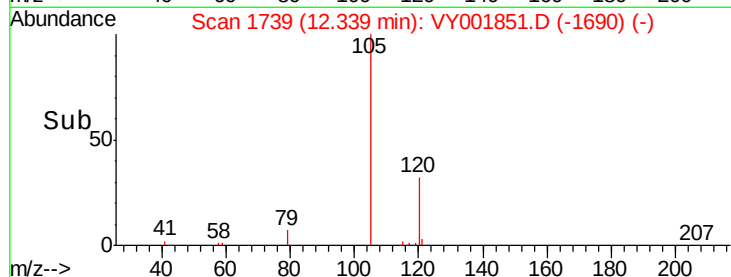
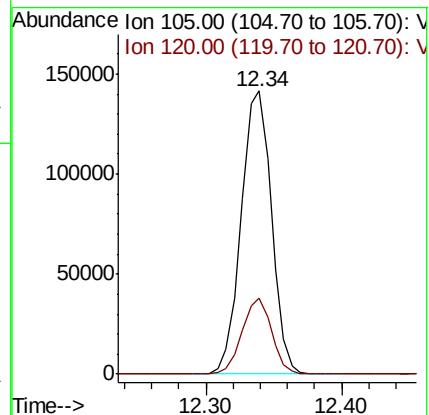
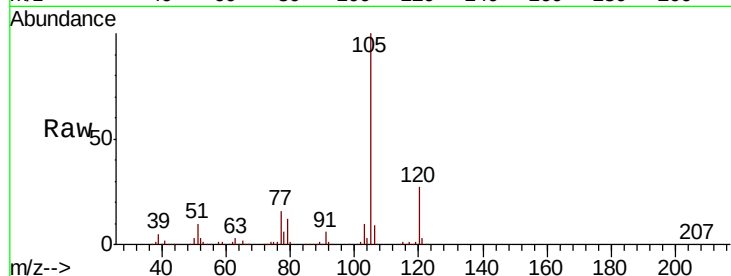
VY0304SBS01

Tot Ion:105 Resp: 220061

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.3



#74

N-ethyl acetate

Concen: 20.994 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Tgt Ion: 43 Resp: 68781

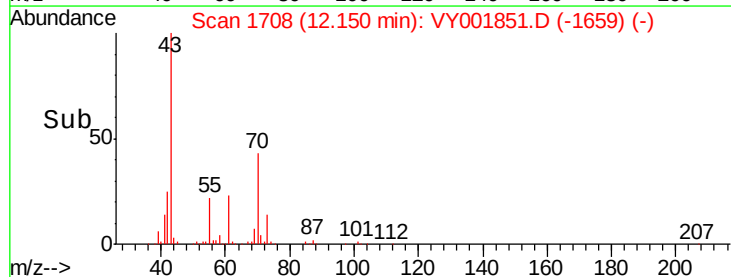
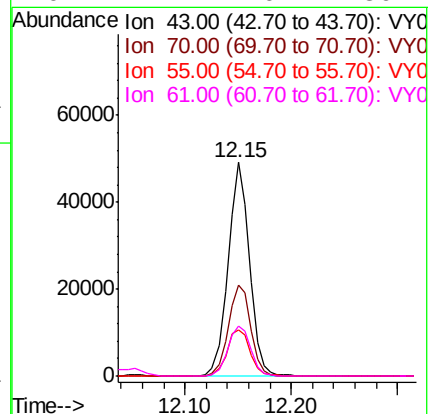
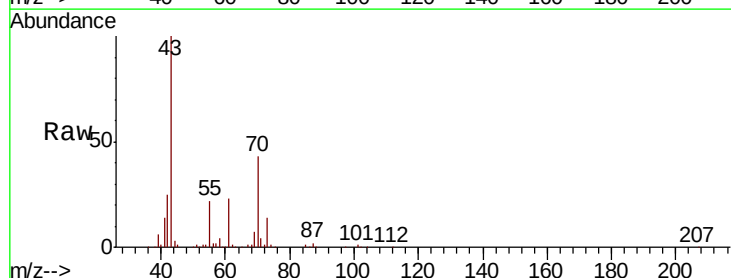
Ion Ratio Lower Upper

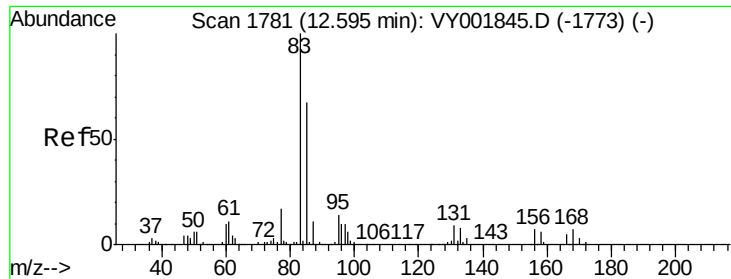
43 100

70 44.7 34.7 52.1

55 23.2 18.2 27.4

61 24.7 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.896 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

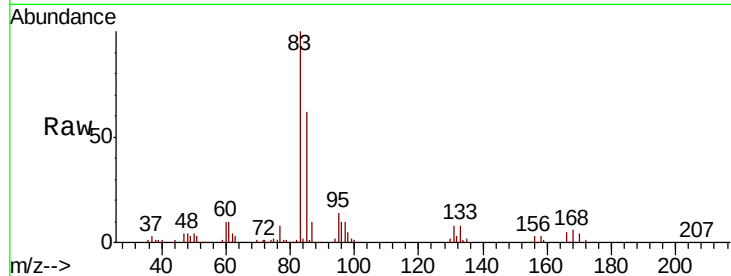
Tot Ion: 83 Resp: 48036

Ion Ratio Lower Upper

83 100

131 9.4 4.6 13.8

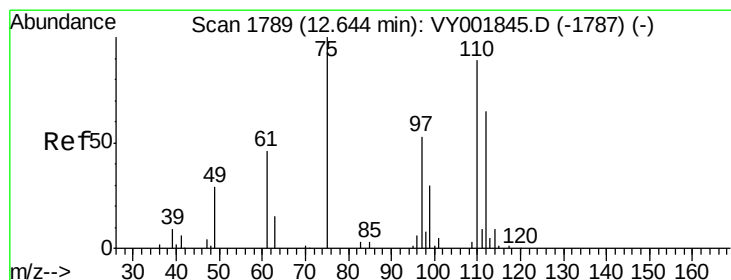
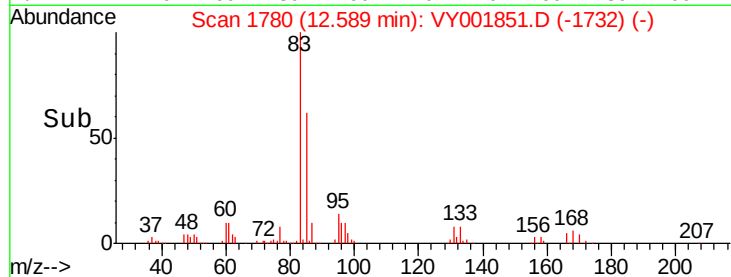
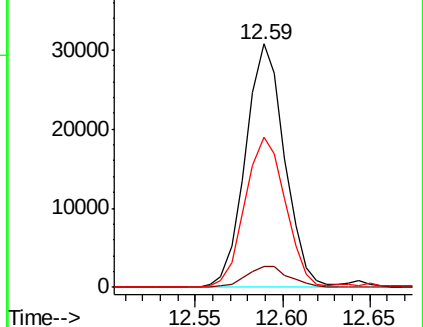
85 64.0 32.1 96.3



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: 36.274 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY001851.D

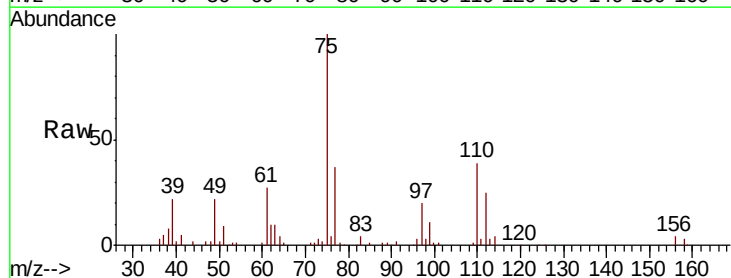
Acq: 04 Mar 2020 14:23

Tgt Ion: 75 Resp: 60104

Ion Ratio Lower Upper

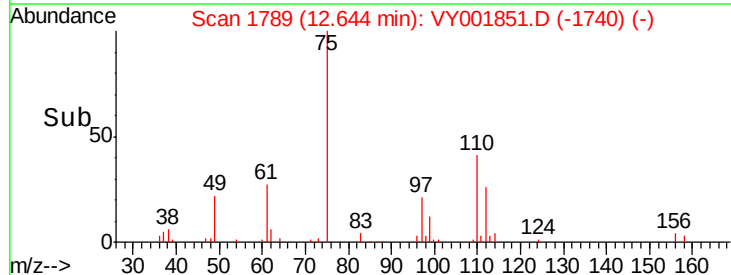
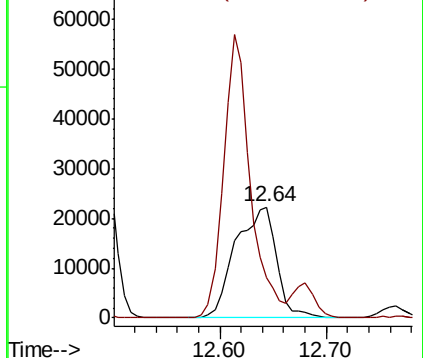
75 100

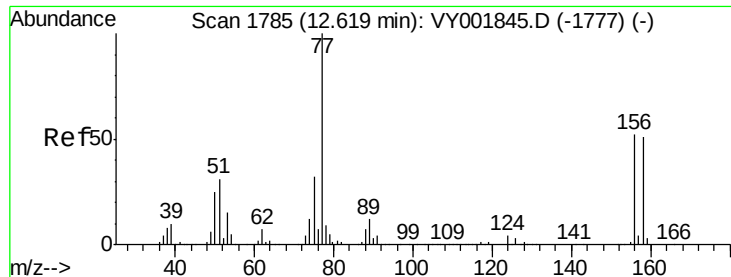
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 20.590 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBSD01

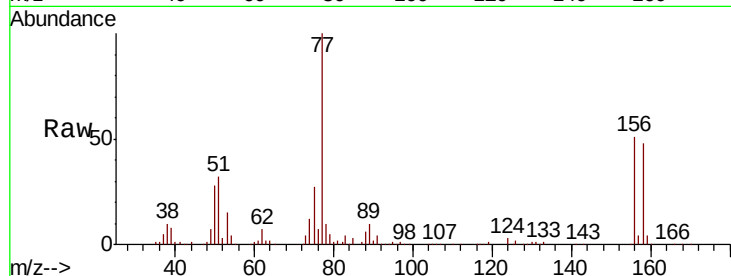
Tot Ion:156 Resp: 46502

Ion Ratio Lower Upper

156 100

77 215.8 109.0 327.0

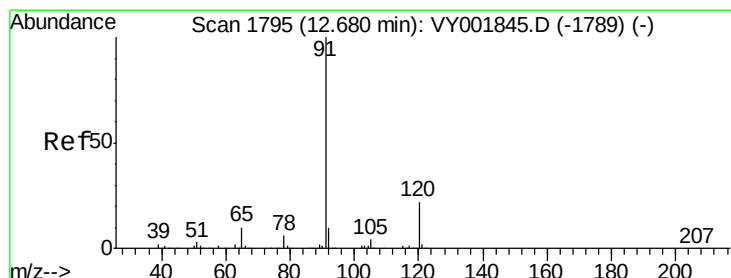
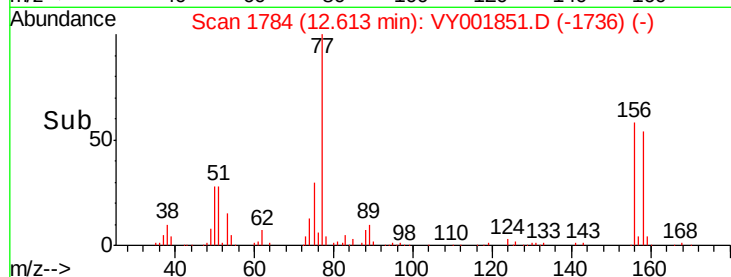
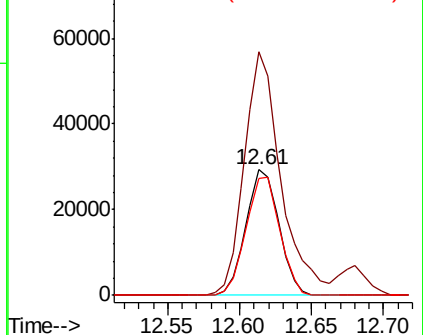
158 96.5 48.9 146.8



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: 20.893 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001851.D

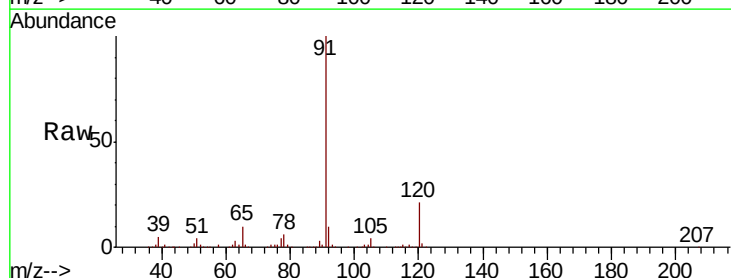
Acq: 04 Mar 2020 14:23

Tgt Ion: 91 Resp: 274771

Ion Ratio Lower Upper

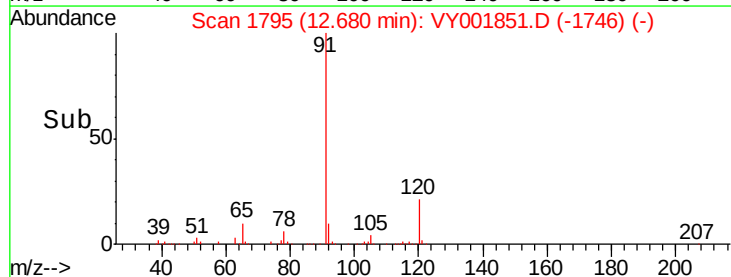
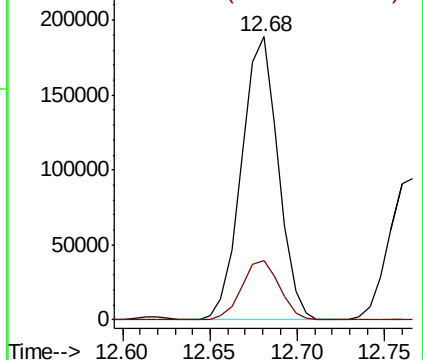
91 100

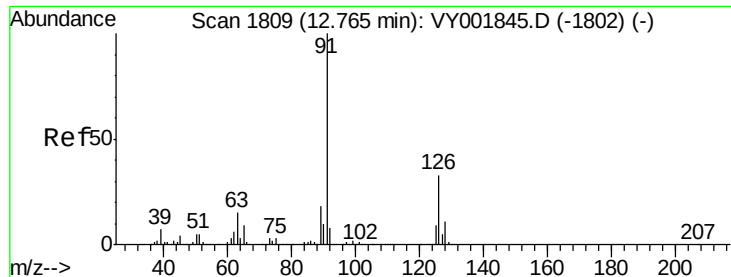
120 21.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.450 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

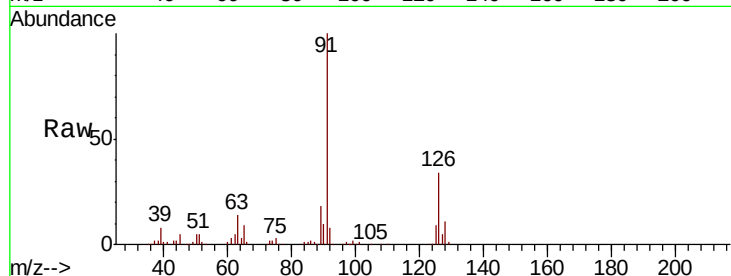
VY0304SBS01

Tot Ion: 91 Resp: 148582

Ion Ratio Lower Upper

91 100

126 33.5 16.3 48.8



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

Ion 125.90 (125.60 to 126.60): VY001845.D (-1802) (-)

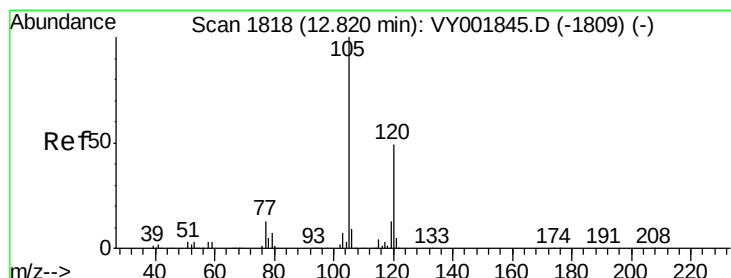
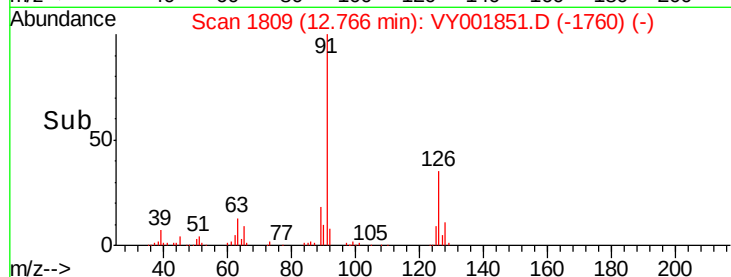
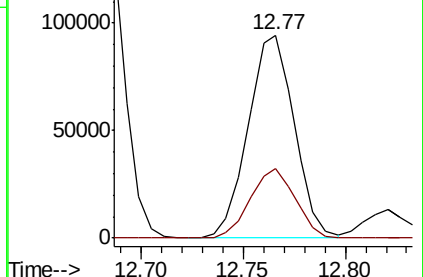
150000

100000

50000

0

12.70 12.75 12.80



#80

1,3,5-Trimethylbenzene

Concen: 20.834 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001851.D

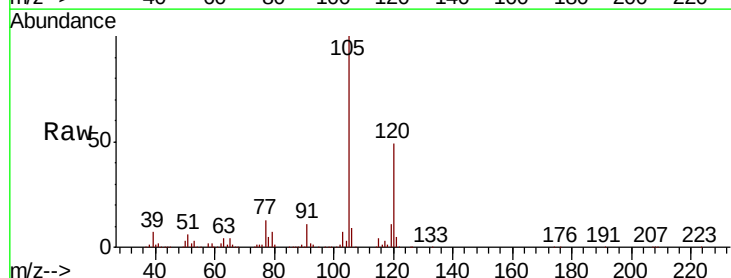
Acq: 04 Mar 2020 14:23

Tgt Ion: 105 Resp: 182829

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2



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

Ion 120.00 (119.70 to 120.70): VY001845.D (-1809) (-)

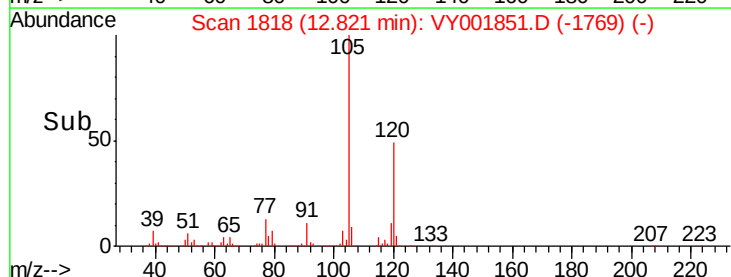
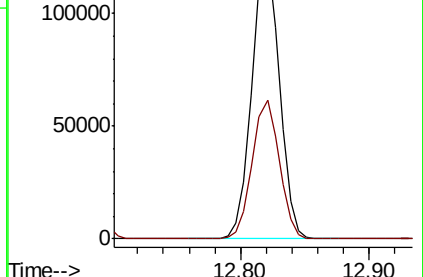
150000

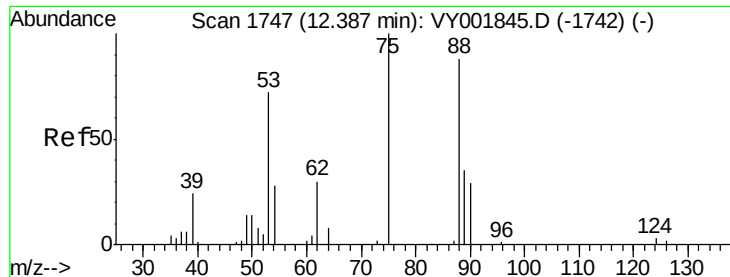
100000

50000

0

12.80 12.90





#81

trans-1,4-Dichloro-2-butene

Concen: 20.282 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

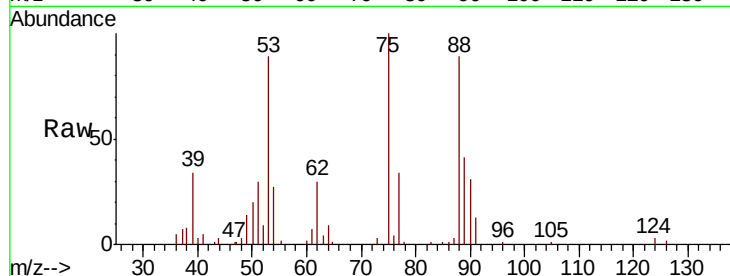
Tot Ion: 75 Resp: 16637

Ion Ratio Lower Upper

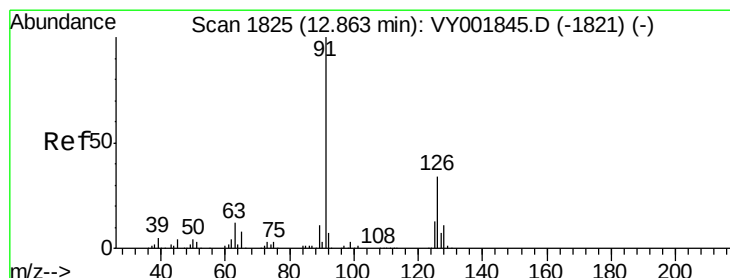
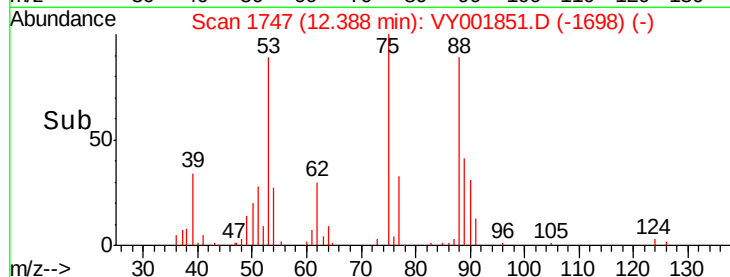
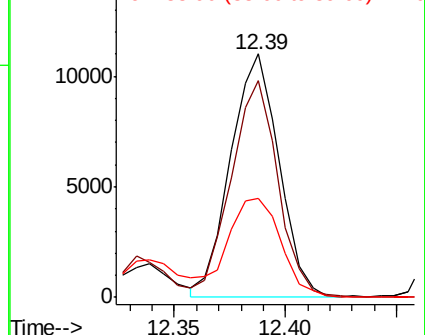
75 100

53 86.4 65.4 98.0

89 45.6 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: 21.076 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001851.D

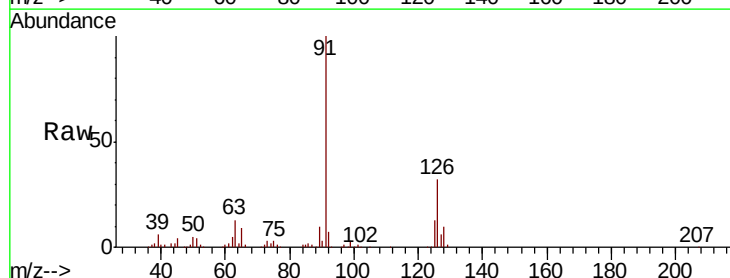
Acq: 04 Mar 2020 14:23

Tgt Ion: 91 Resp: 159438

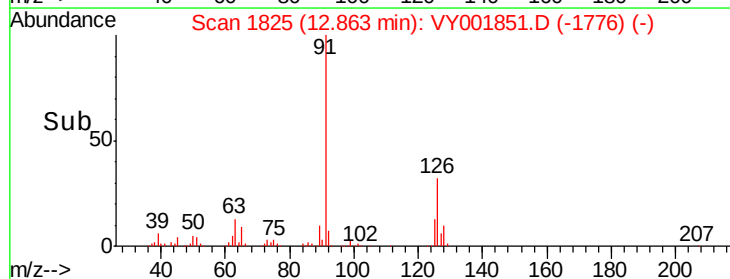
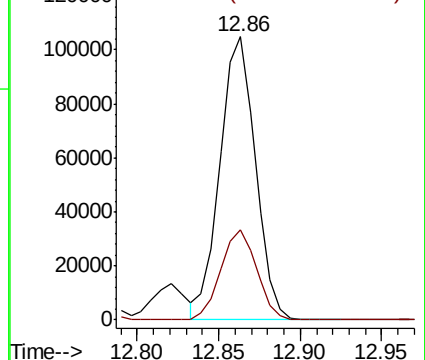
Ion Ratio Lower Upper

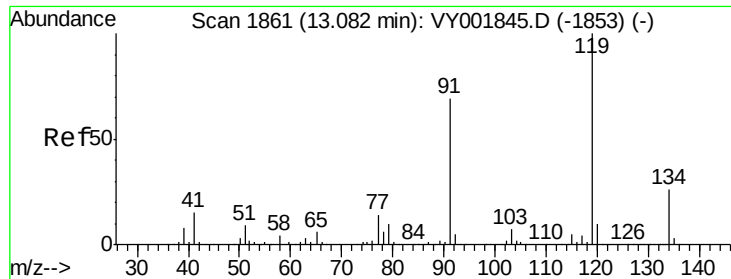
91 100

126 32.3 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

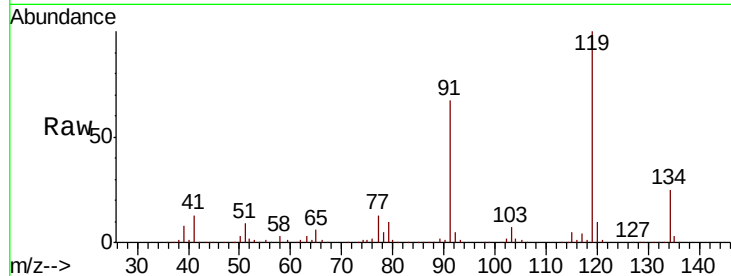




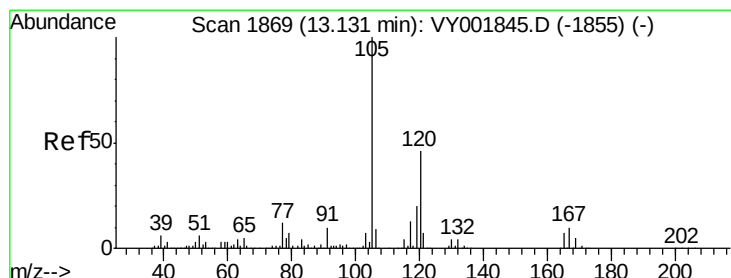
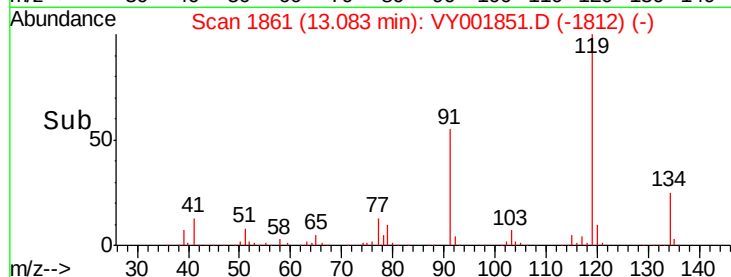
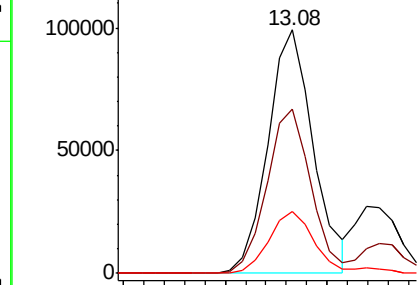
#83
tert-Butylbenzene
Concen: 21.004 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

Tot Ion:119 Resp: 153098
Ion Ratio Lower Upper
119 100
91 65.6 34.0 101.8
134 26.5 13.5 40.4

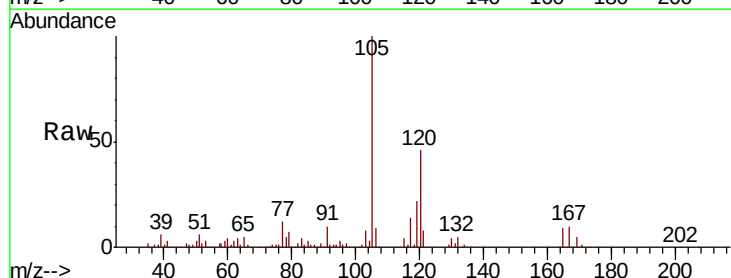


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V

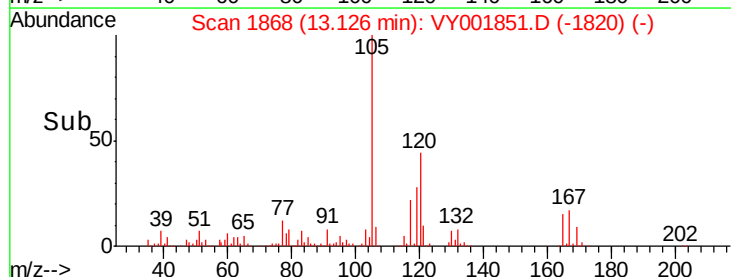
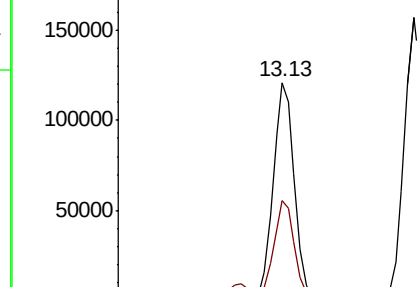


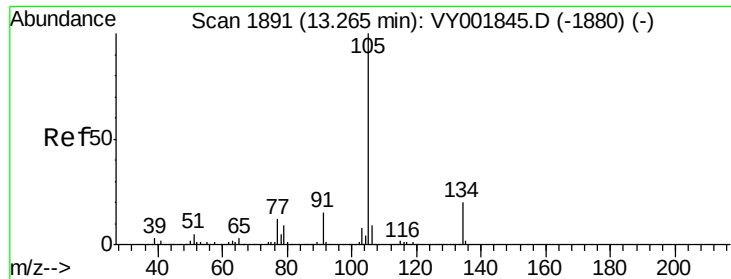
#84
1,2,4-Trimethylbenzene
Concen: 21.168 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion:105 Resp: 184356
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.7



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





#85

sec-Butylbenzene

Concen: 21.214 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

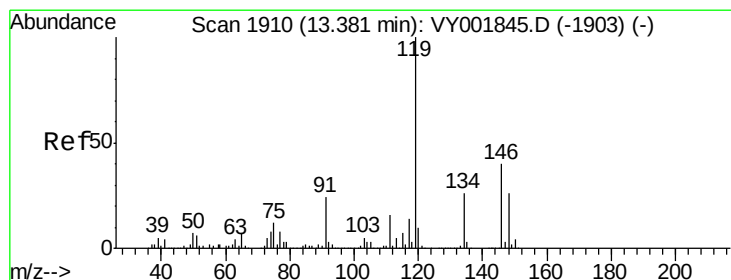
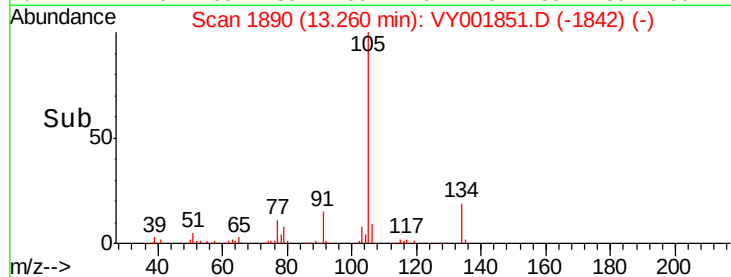
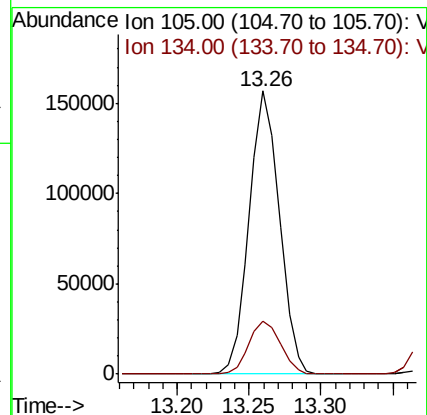
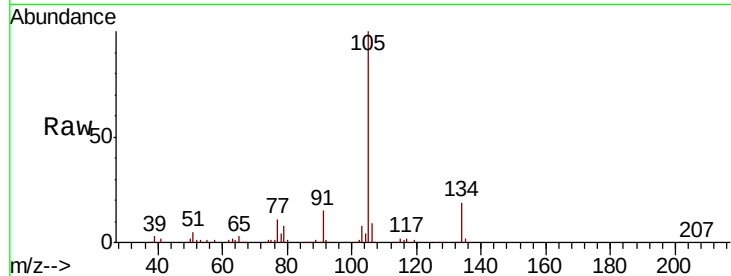
VY0304SBS01

Tot Ion:105 Resp: 227920

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 21.158 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

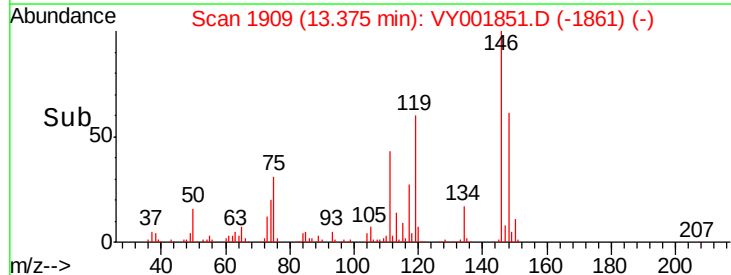
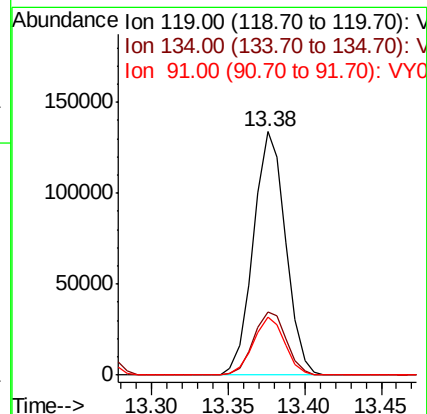
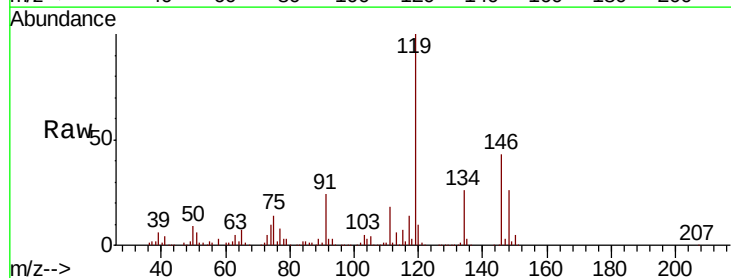
Tgt Ion:119 Resp: 196090

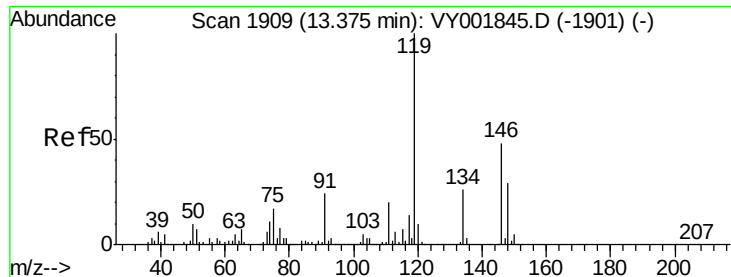
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 23.2 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 20.749 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBSD01

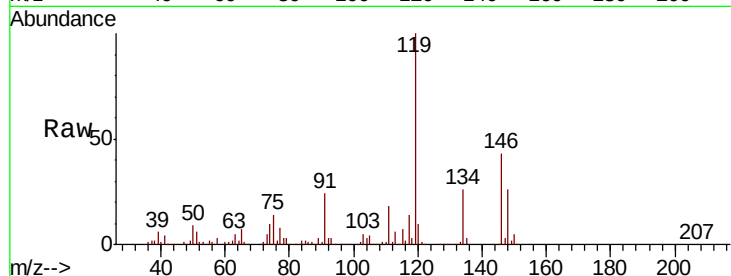
Tot Ion:146 Resp: 91828

Ion Ratio Lower Upper

146 100

111 42.3 20.8 62.5

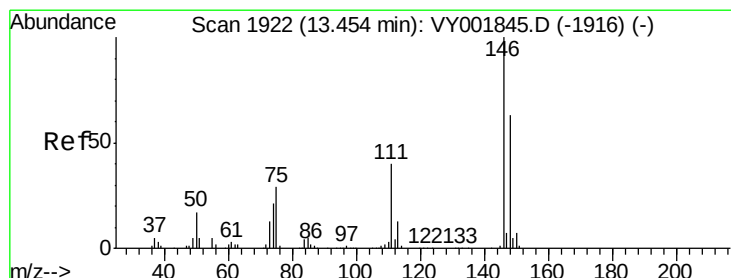
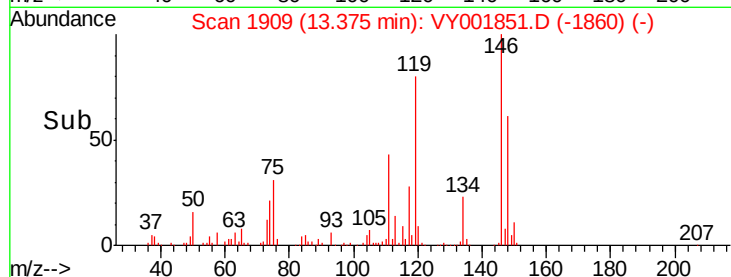
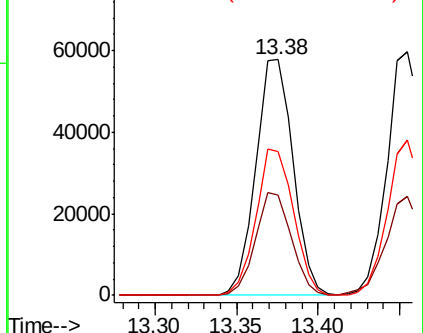
148 62.3 31.4 94.0



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: 20.903 ug/l

RT: 13.45 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

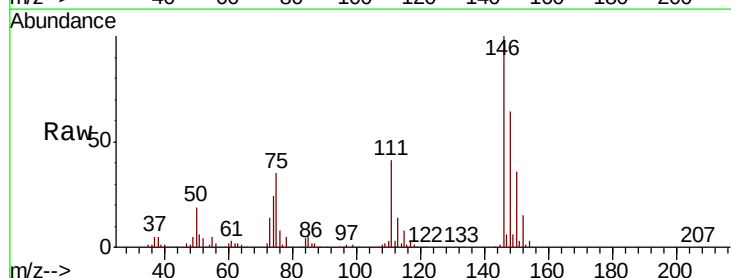
Tgt Ion:146 Resp: 93853

Ion Ratio Lower Upper

146 100

111 40.7 20.0 60.0

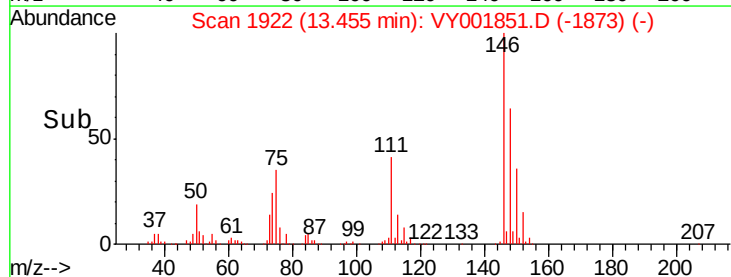
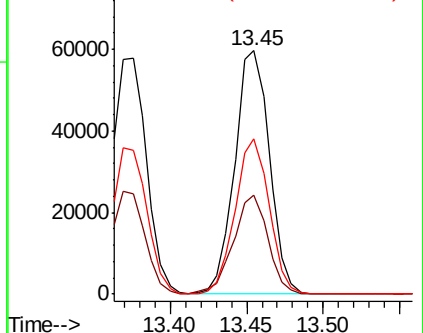
148 62.8 31.5 94.5

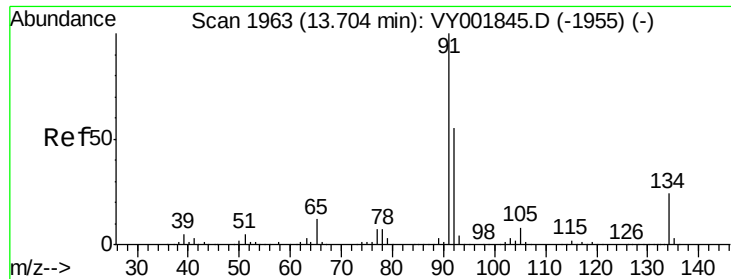


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

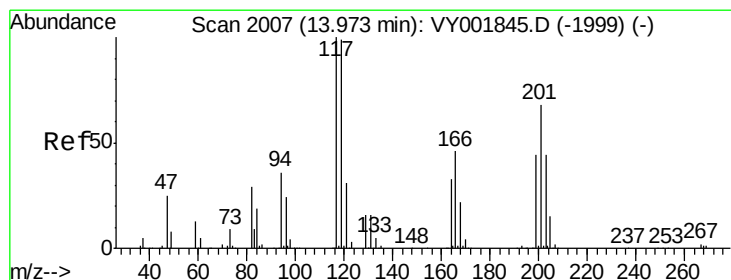
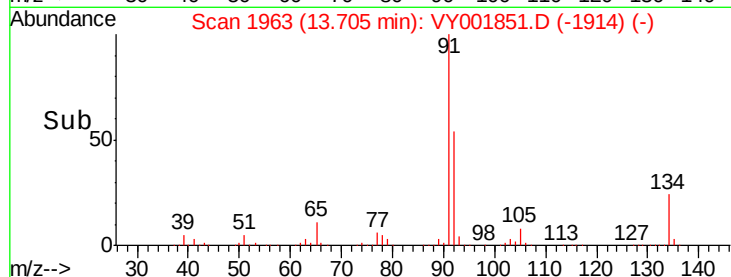
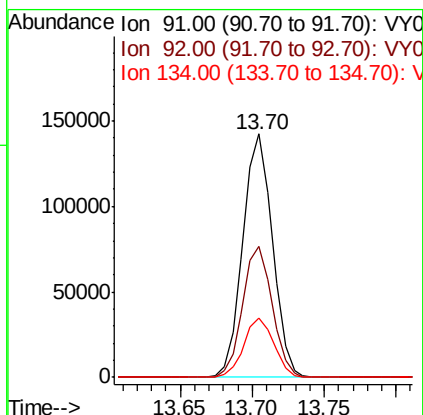
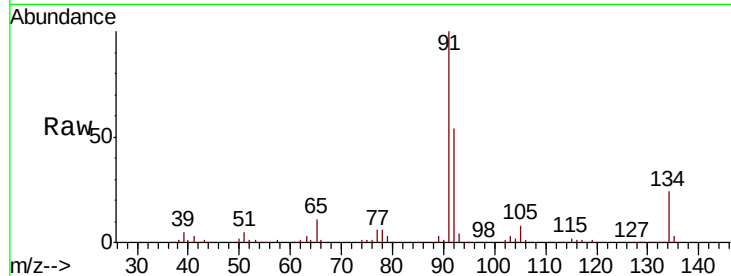




#89
n-Butylbenzene
Concen: 21.121 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

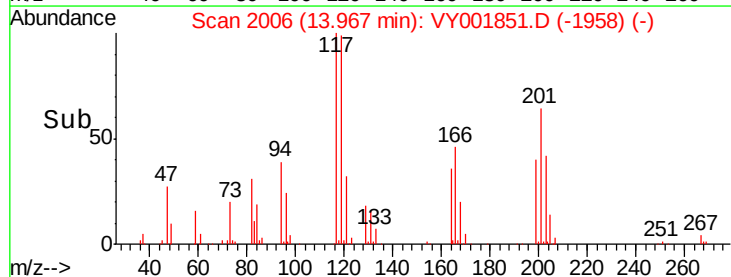
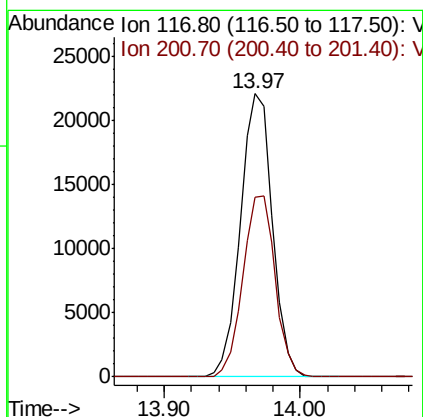
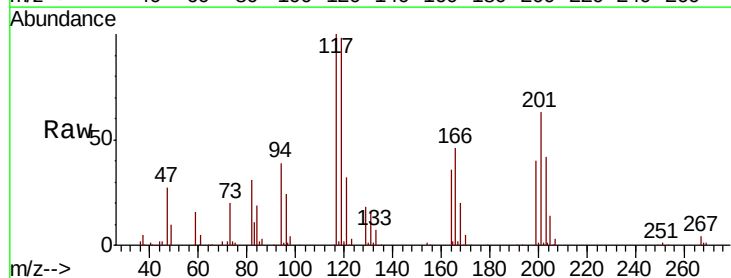
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

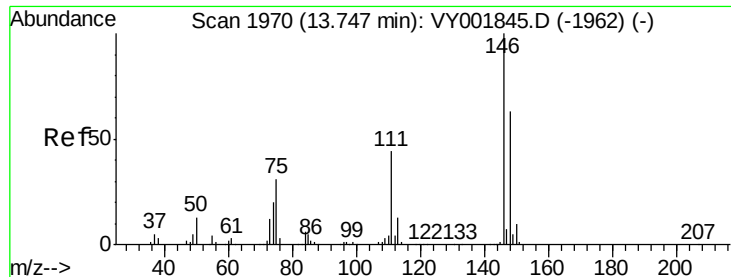
Tot Ion: 91 Resp: 203085
Ion Ratio Lower Upper
91 100
92 53.8 27.5 82.4
134 24.6 12.5 37.5



#90
Hexachloroethane
Concen: 20.683 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 117 Resp: 36161
Ion Ratio Lower Upper
117 100
201 64.6 32.5 97.5

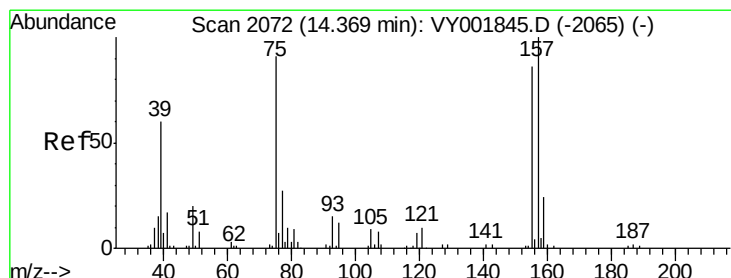
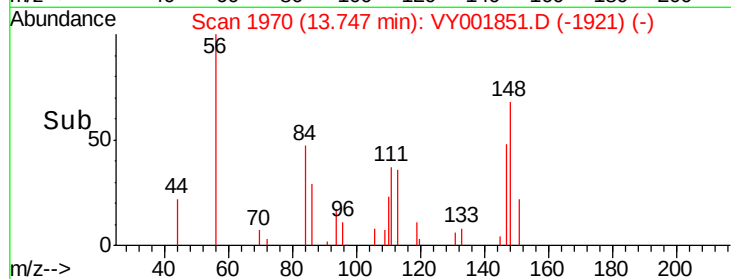
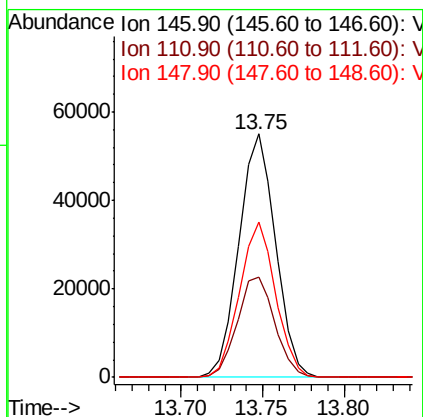
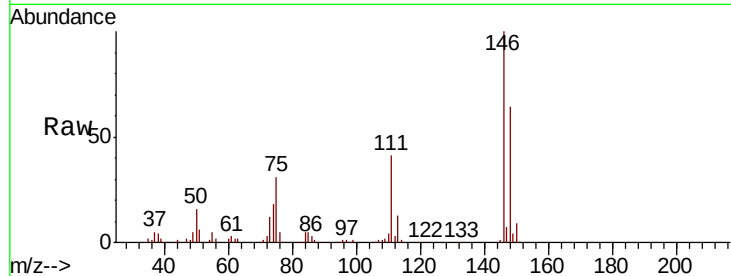




#91
 1,2-Dichlorobenzene
 Concen: 21.341 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

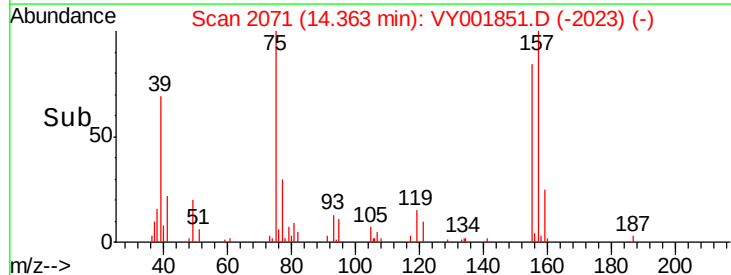
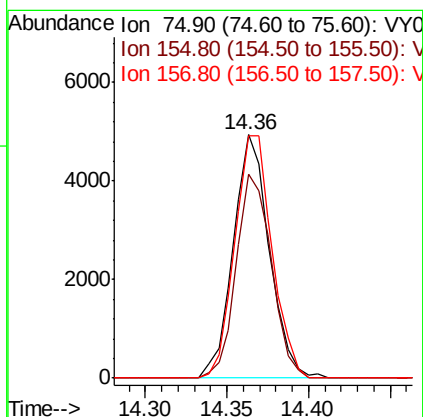
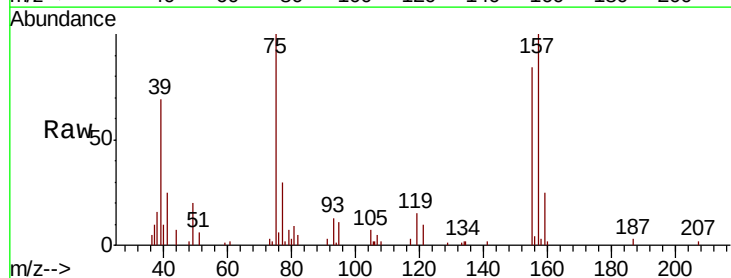
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

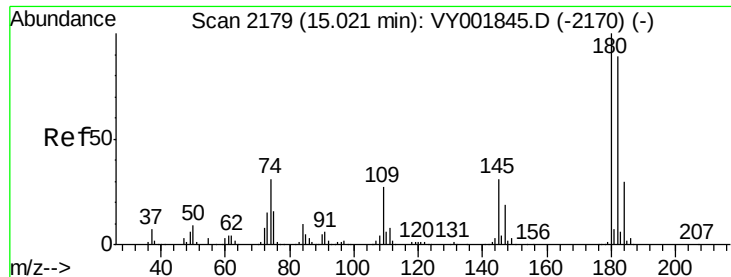
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.9	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.173 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	42.9	128.7
157	102.9	53.1	159.4

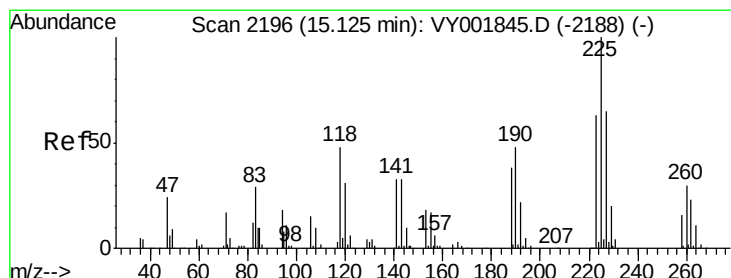
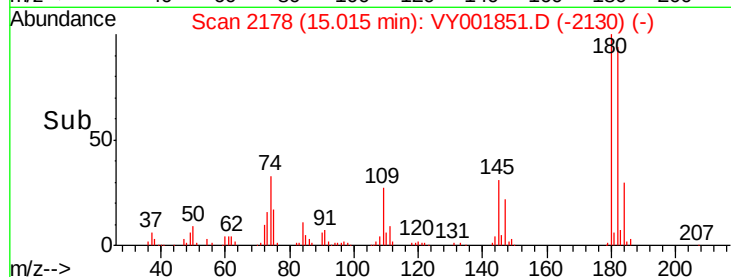
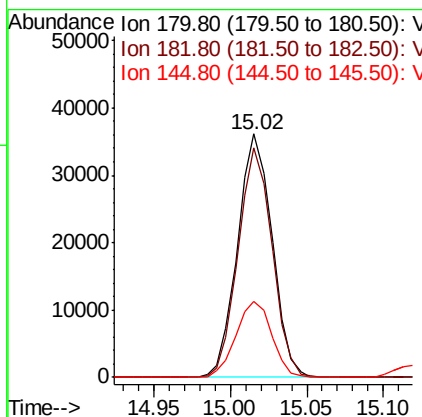
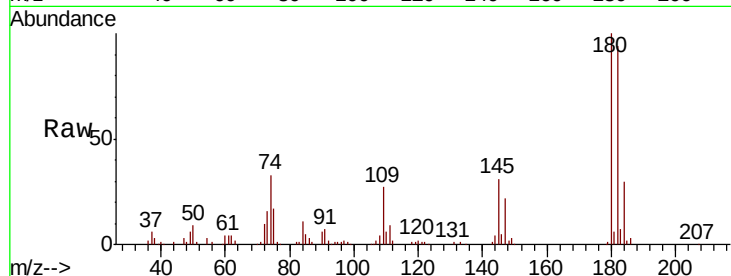




#93
 1,2,4-Trichlorobenzene
 Concen: 21.697 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

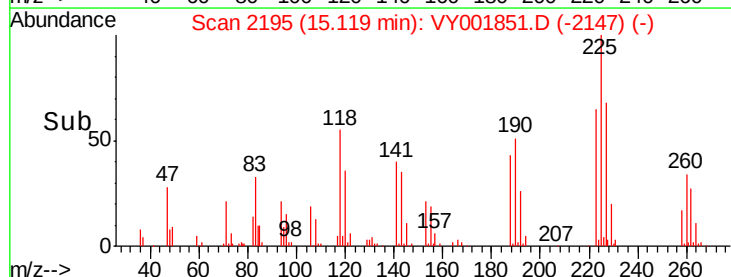
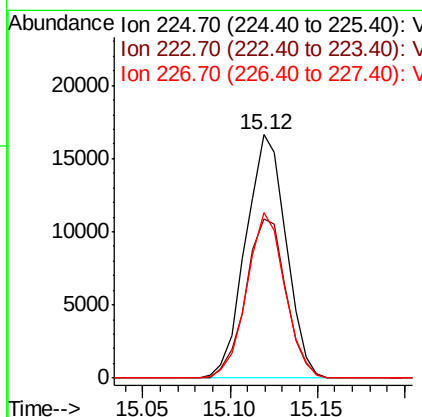
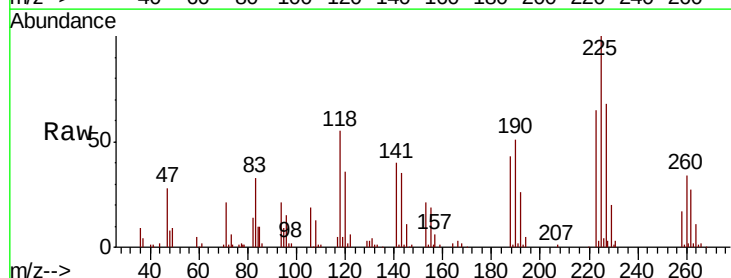
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBSD01

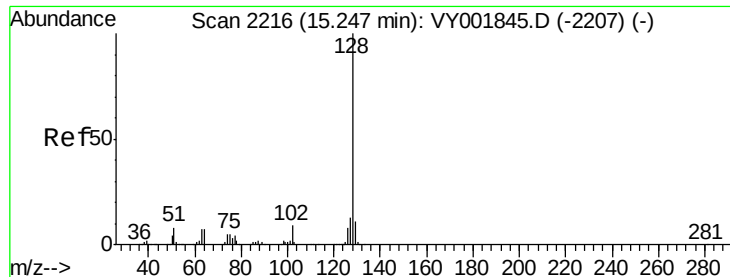
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	46.1	138.3
145	32.3	15.6	46.8



#94
 Hexachlorobutadiene
 Concen: 21.034 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.5	94.5
227	64.0	31.9	95.5





#95

Naphthalene

Concen: 21.399 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBSD01

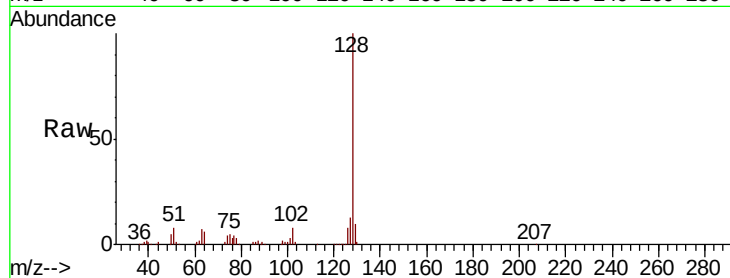
Tot Ion:128 Resp: 132351

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

129 10.8 8.6 13.0

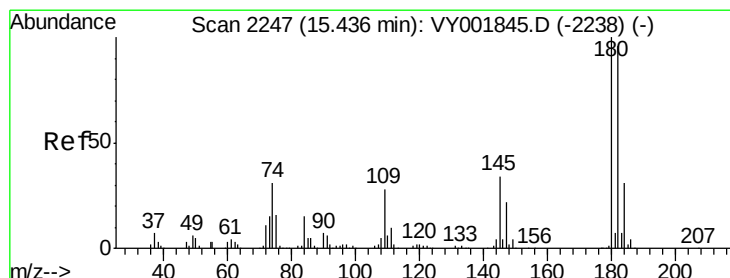
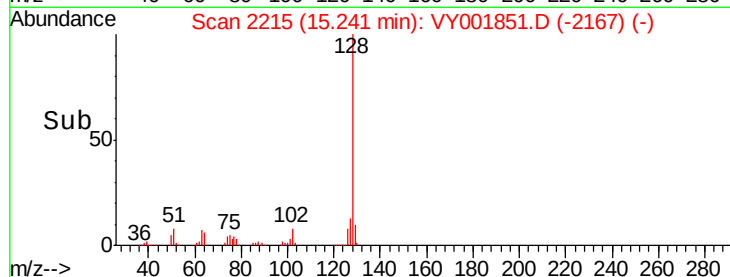
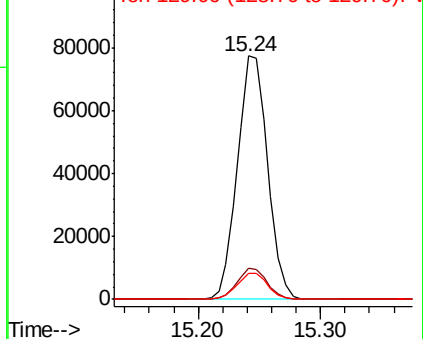


Abundance

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: 21.694 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

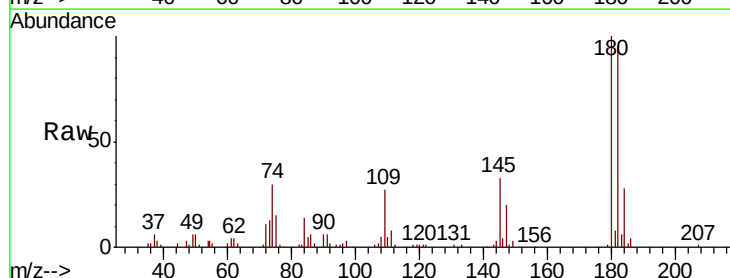
Tgt Ion:180 Resp: 49831

Ion Ratio Lower Upper

180 100

182 94.9 47.6 142.9

145 34.7 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

