

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001020.D
 Acq On : 23 Dec 2019 11:27
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 23 11:45:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 11:38:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	317440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	552836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	494380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	226081	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	327303	104.52	ug/l	0.00
Spiked Amount			Recovery	=	209.04%	
35) Dibromofluoromethane	7.73	113	333151	100.68	ug/l	0.00
Spiked Amount			Recovery	=	201.36%	
50) Toluene-d8	10.18	98	1375332	109.09	ug/l	0.00
Spiked Amount			Recovery	=	218.18%	
62) 4-Bromofluorobenzene	12.47	95	451978	93.13	ug/l	0.00
Spiked Amount			Recovery	=	186.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	265703	92.713	ug/l	99
3) Chloromethane	2.12	50	357854	91.246	ug/l	98
4) Vinyl Chloride	2.25	62	349830	92.025	ug/l	97
5) Bromomethane	2.63	94	210253	86.872	ug/l	100
6) Chloroethane	2.79	64	218791	92.517	ug/l	92
7) Trichlorofluoromethane	3.13	101	516503	93.522	ug/l	98
8) Diethyl Ether	3.53	74	217809	97.730	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	345204	95.312	ug/l	99
10) Methyl Iodide	4.10	142	518823	108.619	ug/l	100
11) Tert butyl alcohol	4.96	59	161713	451.112	ug/l	100
12) 1,1-Dichloroethene	3.87	96	353102	97.118	ug/l	96
13) Acrolein	3.74	56	227085	535.321	ug/l	99
14) Allyl chloride	4.49	41	543679	95.447	ug/l	99
15) Acrylonitrile	5.18	53	551996	497.086	ug/l	99
16) Acetone	3.95	43	348334	467.033	ug/l	98
17) Carbon Disulfide	4.19	76	1177686	100.041	ug/l	98
18) Methyl Acetate	4.49	43	276071	98.210	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	916672	97.805	ug/l	98
20) Methylene Chloride	4.72	84	392188	87.788	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	392648	97.474	ug/l	95
22) Diisopropyl ether	6.13	45	1062516	90.734	ug/l	98
23) Vinyl Acetate	6.07	43	3435280	467.755	ug/l	99
24) 1,1-Dichloroethane	6.03	63	642740	94.280	ug/l	99
25) 2-Butanone	7.00	43	623610	479.000	ug/l	96
26) 2,2-Dichloropropane	6.99	77	519159	91.818	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	428780	96.600	ug/l	99
28) Bromochloromethane	7.35	49	271455	104.716	ug/l	94
29) Tetrahydrofuran	7.36	42	432791	461.648	ug/l	98
30) Chloroform	7.52	83	615314	95.958	ug/l	99
31) Cyclohexane	7.79	56	633693	85.882	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	525993	96.715	ug/l	98
36) 1,1-Dichloropropene	7.93	75	521493	95.907	ug/l	99
37) Ethyl Acetate	7.08	43	282269	92.830	ug/l	98
38) Carbon Tetrachloride	7.91	117	464136	98.652	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	699147	97.631	ug/l	98
40) Benzene	8.17	78	1579675	96.646	ug/l	97
41) Methacrylonitrile	7.35	41	378945	300.886	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	379510	97.397	ug/l	100
43) Isopropyl Acetate	8.28	43	551160	100.053	ug/l	100
44) Trichloroethene	8.94	130	414328	95.885	ug/l	100
45) 1,2-Dichloropropane	9.22	63	396073	96.405	ug/l	97
46) Dibromomethane	9.31	93	208489	99.451	ug/l	100
47) Bromodichloromethane	9.50	83	482116	99.465	ug/l	100
48) Methyl methacrylate	9.30	41	238130	102.033	ug/l	99
49) 1,4-Dioxane	9.30	88	60727	1989.783	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	1392178	477.839	ug/l	99
52) Toluene	10.24	92	966527	95.594	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	533380	102.396	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	627325	98.869	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	307844	97.875	ug/l	96
56) Ethyl methacrylate	10.51	69	459432	104.735	ug/l	99
57) 1,3-Dichloropropane	10.79	76	537413	97.325	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	836474	477.300	ug/l	99
59) 2-Hexanone	10.83	43	980228	490.006	ug/l	99
60) Dibromochloromethane	10.99	129	339416	103.028	ug/l	99
61) 1,2-Dibromoethane	11.09	107	299909	100.856	ug/l	99
64) Tetrachloroethene	10.72	164	404869	90.051	ug/l	99
65) Chlorobenzene	11.51	112	998683	94.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	342810	99.551	ug/l	99
67) Ethyl Benzene	11.59	91	1811912	95.308	ug/l	99
68) m/p-Xylenes	11.70	106	1385039	192.078	ug/l	100
69) o-Xylene	12.02	106	651180	95.896	ug/l	100
70) Styrene	12.04	104	1124725	98.281	ug/l	100
71) Bromoform	12.20	173	203041	109.382	ug/l #	100
73) Isopropylbenzene	12.33	105	1701260	94.728	ug/l	99
74) N-amyl acetate	12.14	43	466655	100.162	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	349764	100.562	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	478522	161.432	ug/l #	100
77) Bromobenzene	12.60	156	387071	95.782	ug/l	99
78) n-propylbenzene	12.67	91	2073964	94.757	ug/l	99
79) 2-Chlorotoluene	12.75	91	1136162	93.403	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1399291	94.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	138404	107.886	ug/l	99
82) 4-Chlorotoluene	12.85	91	1190821	94.602	ug/l	99
83) tert-Butylbenzene	13.07	119	1159241	93.434	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	1392967	93.503	ug/l	99
85) sec-Butylbenzene	13.25	105	1700708	92.707	ug/l	100
86) p-Isopropyltoluene	13.36	119	1474263	92.452	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	722780	91.870	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	737312	93.307	ug/l	99
89) n-Butylbenzene	13.69	91	1475651	92.029	ug/l	99
90) Hexachloroethane	13.95	117	290997	99.281	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	674947	93.581	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	56124	94.919	ug/l	97

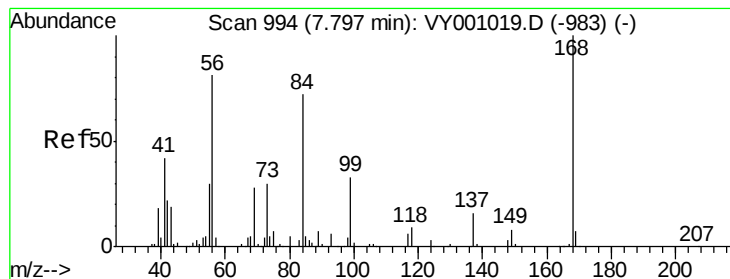
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	452450	92.782	ug/l	100
94) Hexachlorobutadiene	15.11	225	212817	91.386	ug/l	99
95) Naphthalene	15.23	128	1106568	98.475	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	405312	93.686	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

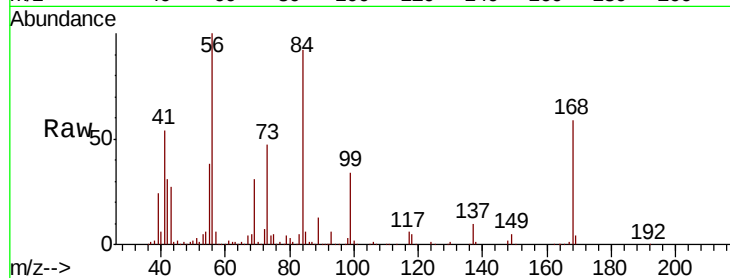
VSTDIC100

Tot Ion:168 Resp: 317440

Ion Ratio Lower Upper

168 100

99 57.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

150000

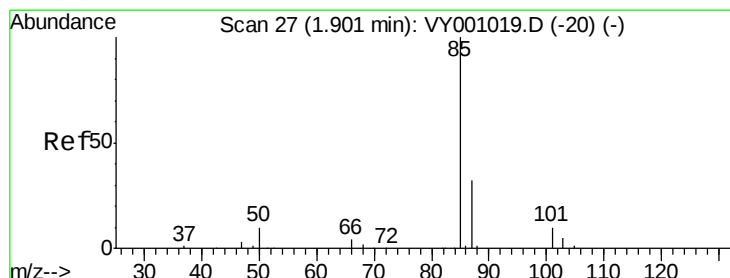
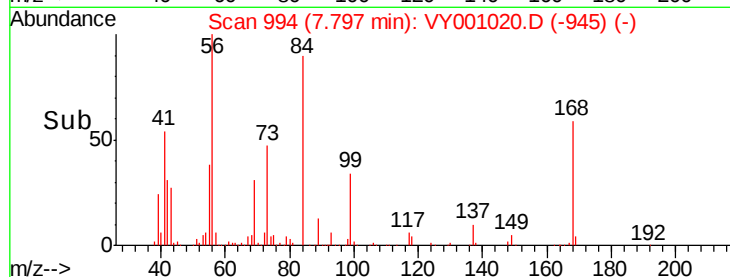
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 92.713 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001020.D

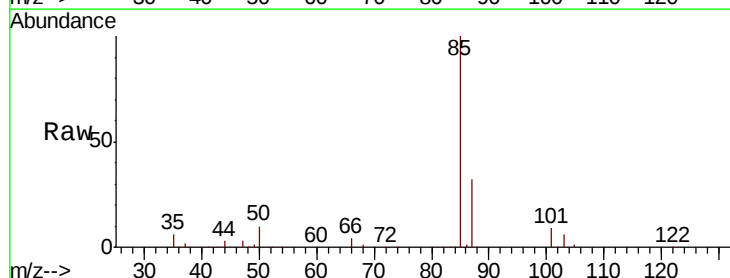
Acq: 23 Dec 2019 11:27

Tgt Ion: 85 Resp: 265703

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001019.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY001019.D (-20) (-)

1.90

150000

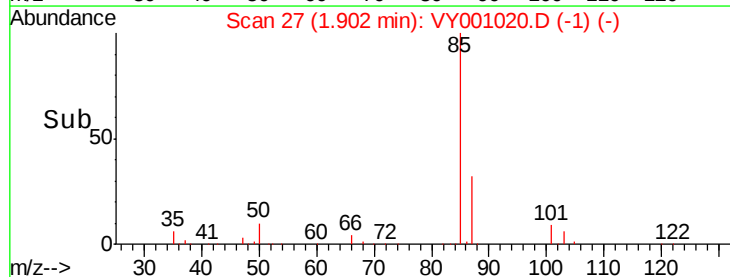
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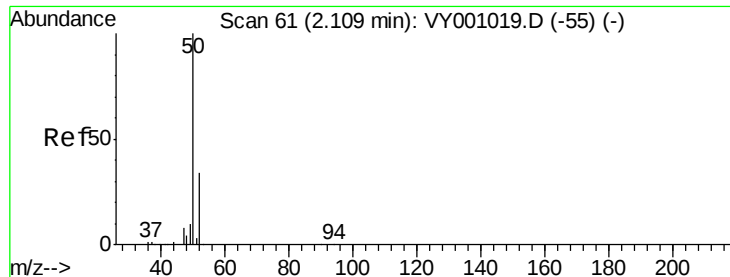
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 91.246 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

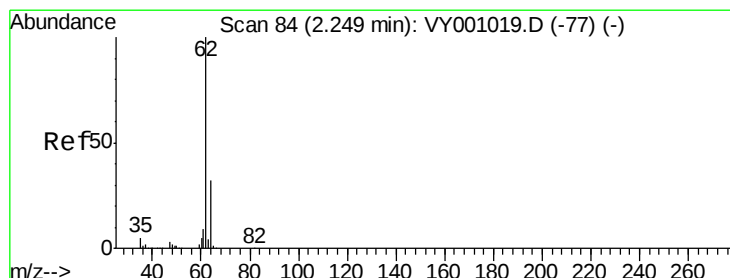
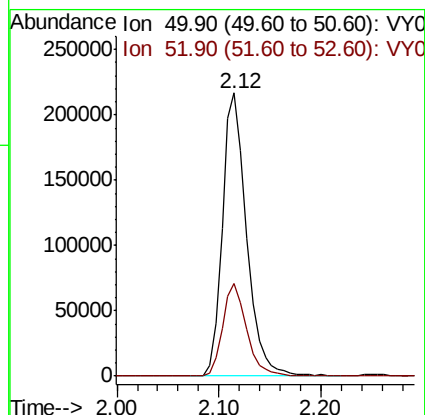
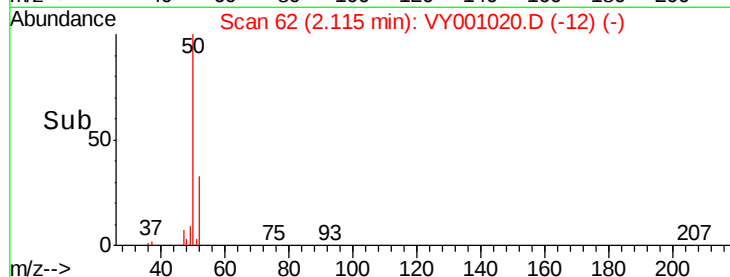
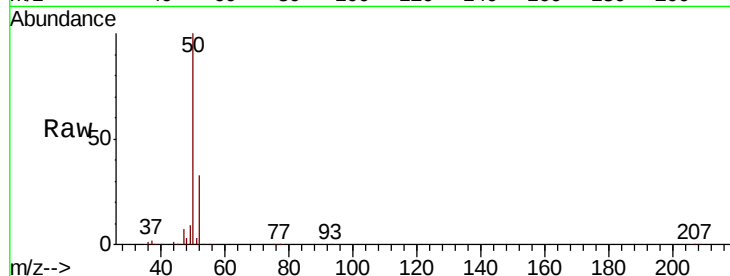
VSTDIC100

Tot Ion: 50 Resp: 357854

Ion Ratio Lower Upper

50 100

52 32.5 27.1 40.7



#4

Vinyl Chloride

Concen: 92.025 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001020.D

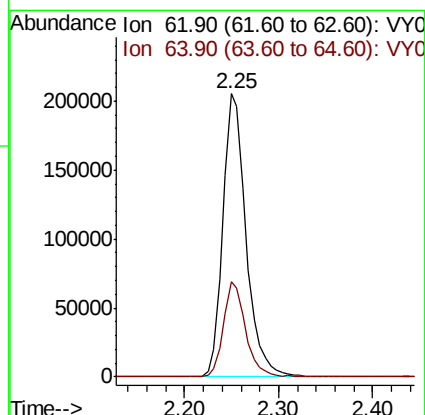
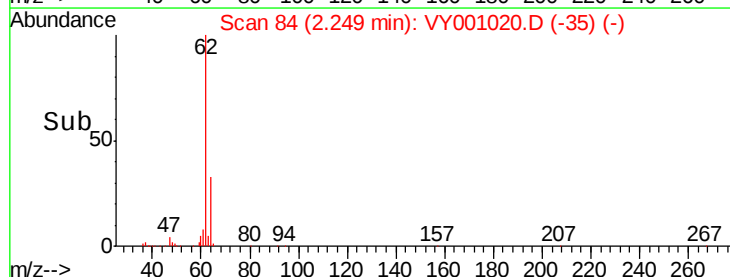
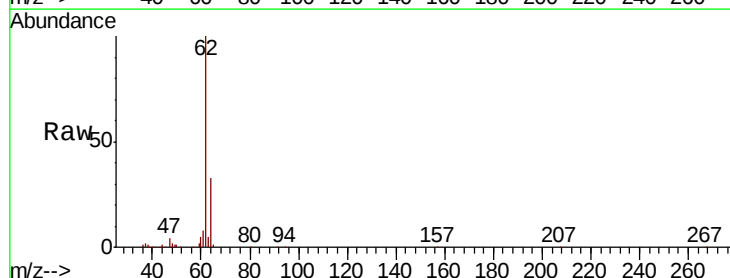
Acq: 23 Dec 2019 11:27

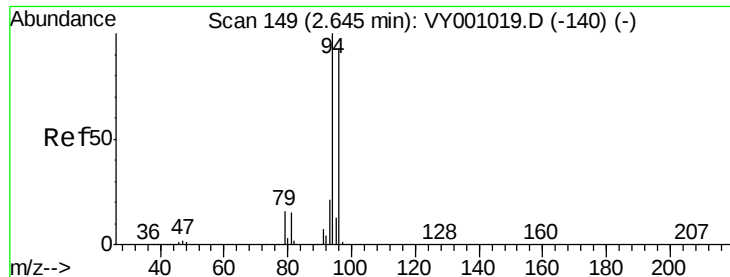
Tgt Ion: 62 Resp: 349830

Ion Ratio Lower Upper

62 100

64 33.5 25.6 38.4





#5

Bromomethane

Concen: 86.872 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

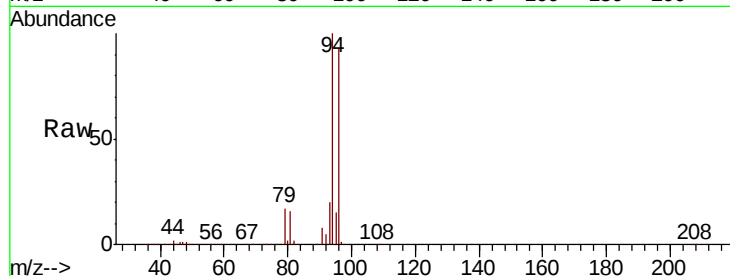
VSTDIC100

Tot Ion: 94 Resp: 210253

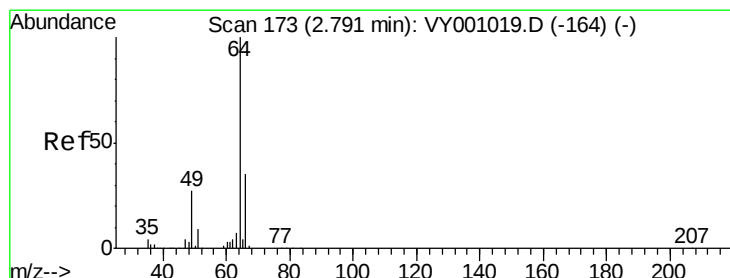
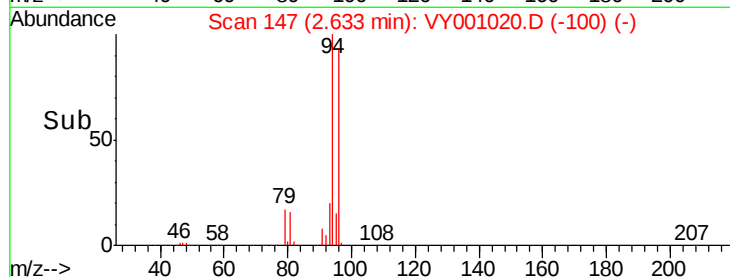
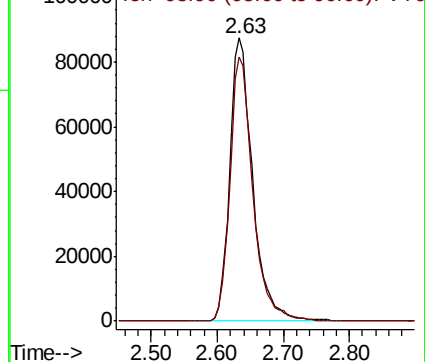
Ion Ratio Lower Upper

94 100

96 93.2 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VY0
Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 92.517 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY001020.D

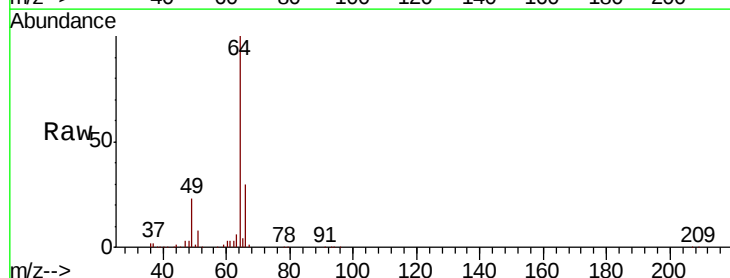
Acq: 23 Dec 2019 11:27

Tgt Ion: 64 Resp: 218791

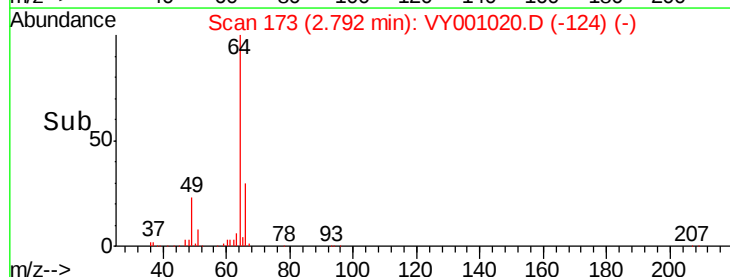
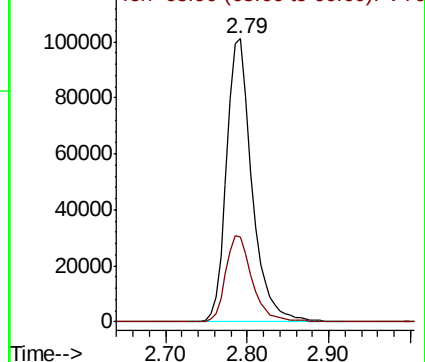
Ion Ratio Lower Upper

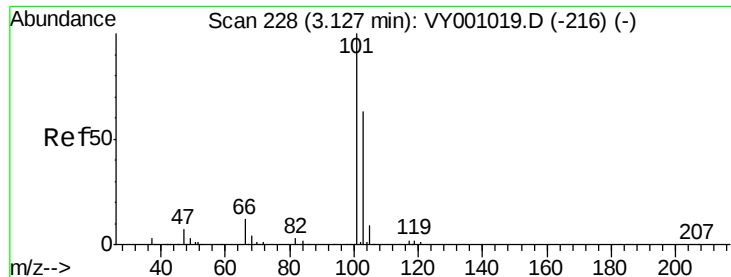
64 100

66 29.9 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0
Ion 65.90 (65.60 to 66.60): VY0



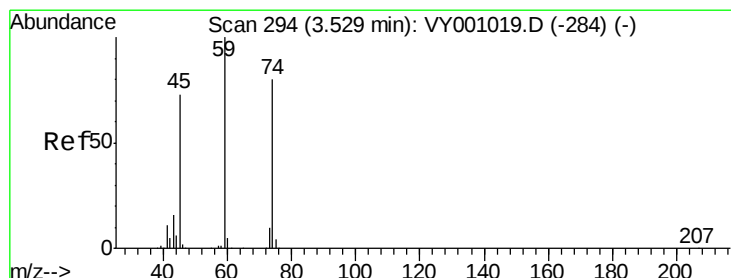
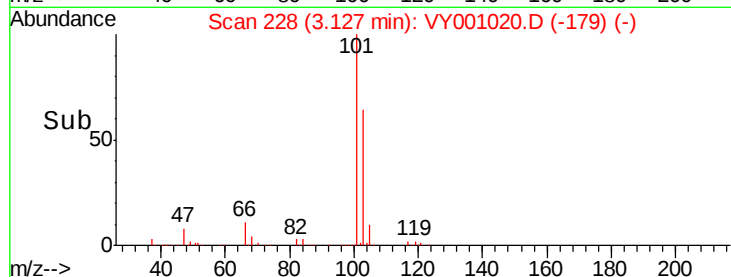
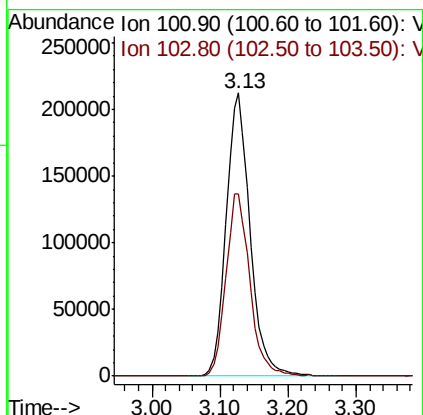
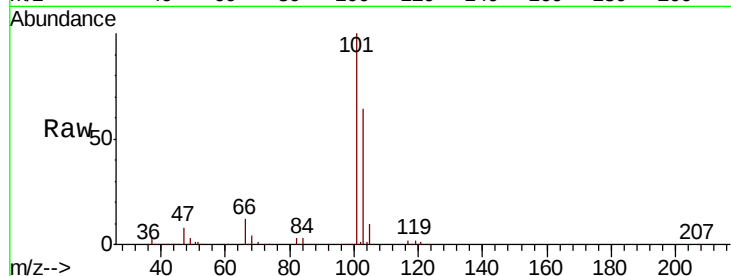


#7

Trichlorofluoromethane
 Concen: 93.522 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

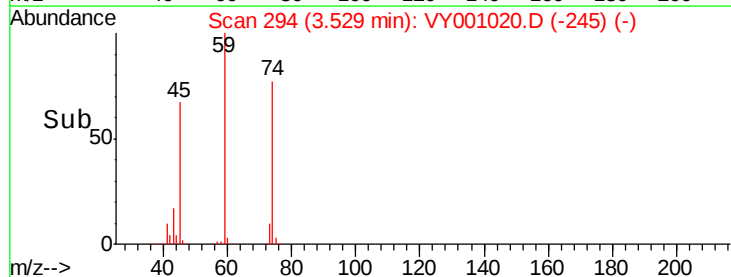
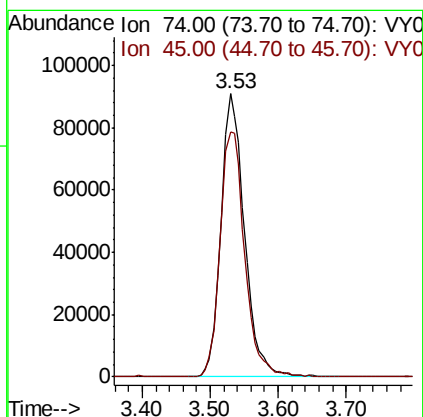
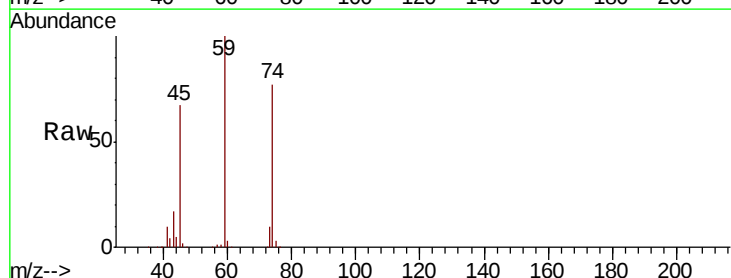
Tot Ion:101 Resp: 516503
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.2 75.2

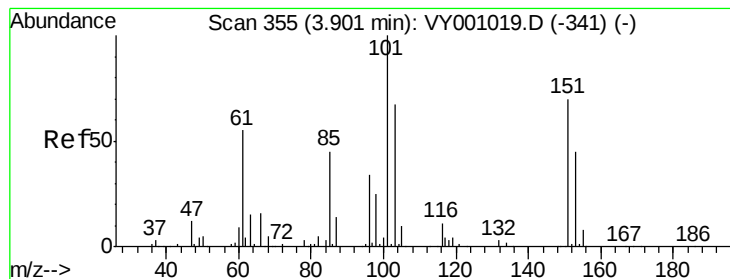


#8

Diethyl Ether
 Concen: 97.730 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

Tgt Ion: 74 Resp: 217809
 Ion Ratio Lower Upper
 74 100
 45 91.2 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.312 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

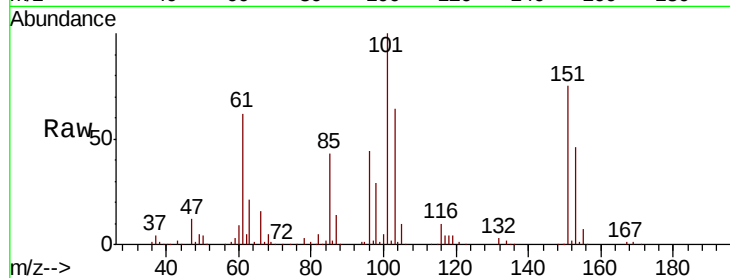
Tot Ion:101 Resp: 345204

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

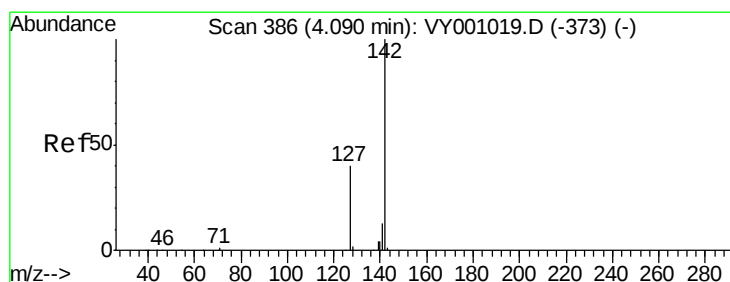
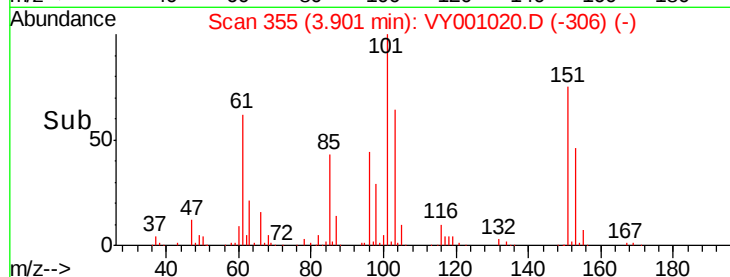
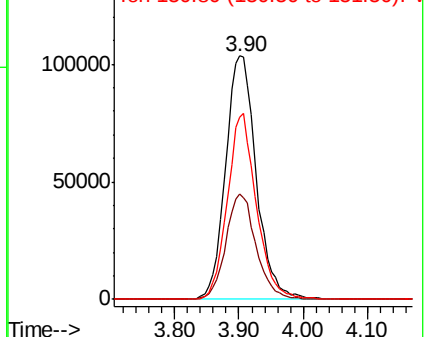
151 72.4 57.0 85.6



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: 108.619 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

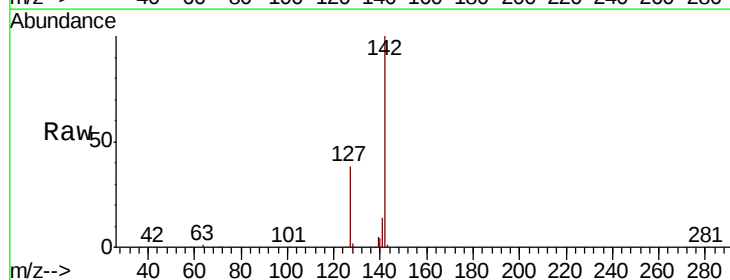
Tgt Ion:142 Resp: 518823

Ion Ratio Lower Upper

142 100

127 39.1 31.2 46.8

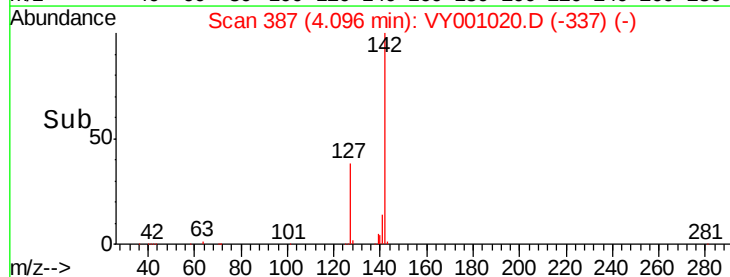
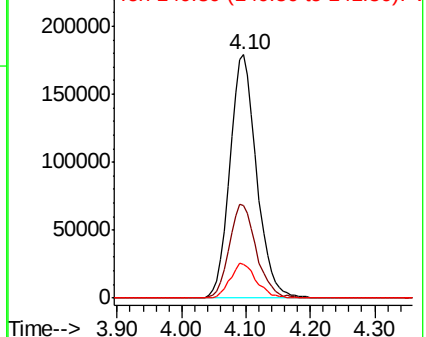
141 14.2 11.0 16.4

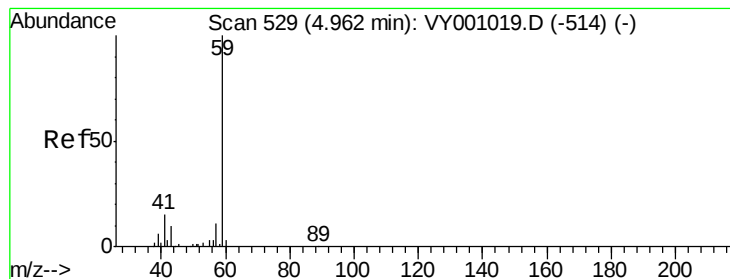


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



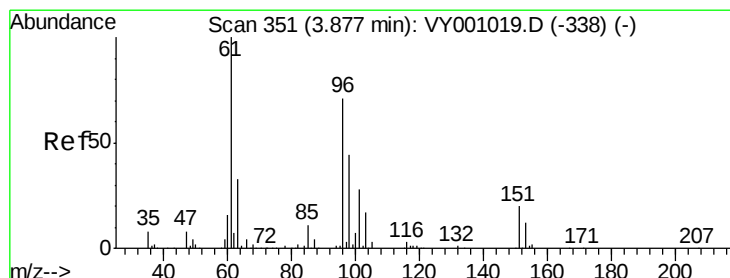
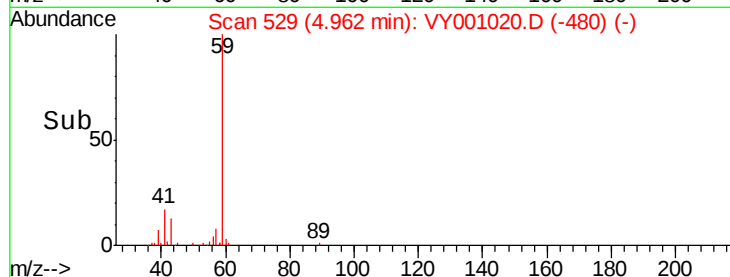
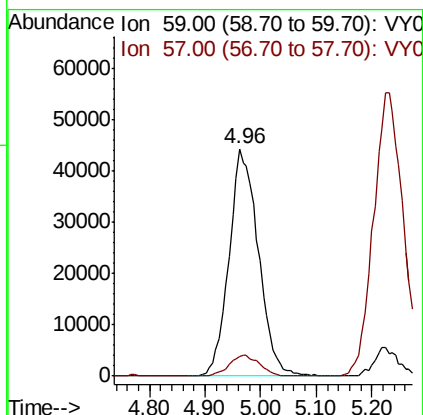
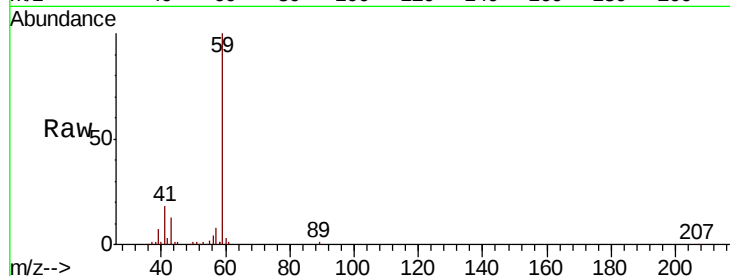


#11

Tert butyl alcohol
 Concen: 451.112 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

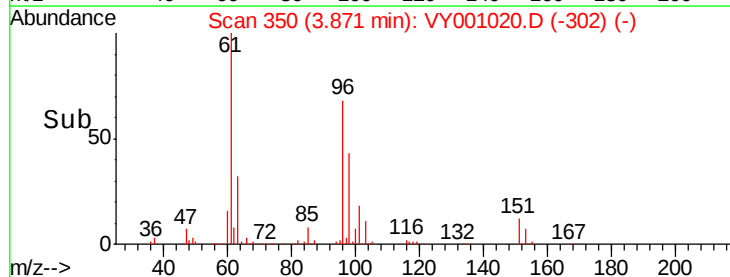
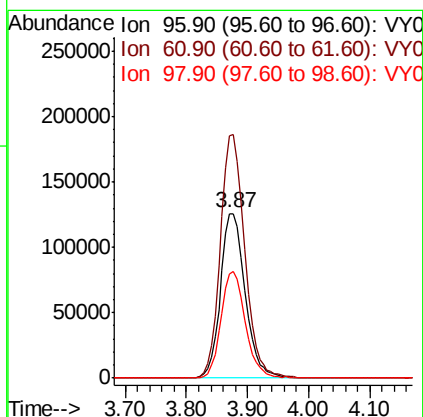
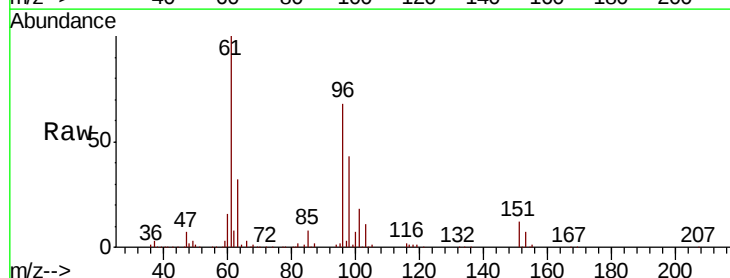
Tot Ion: 59 Resp: 161713
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.8 11.6

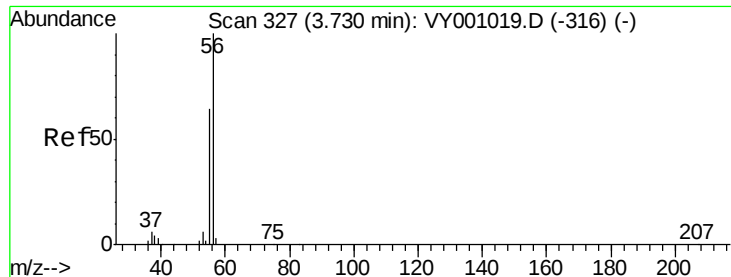


#12

1,1-Dichloroethene
 Concen: 97.118 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

Tgt Ion: 96 Resp: 353102
 Ion Ratio Lower Upper
 96 100
 61 147.6 113.0 169.4
 98 63.1 49.8 74.8





#13

Acrolein

Concen: 535.321 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

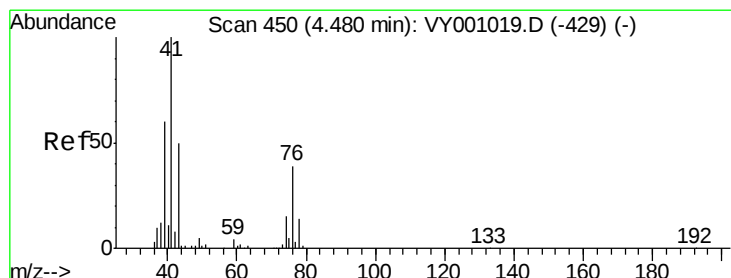
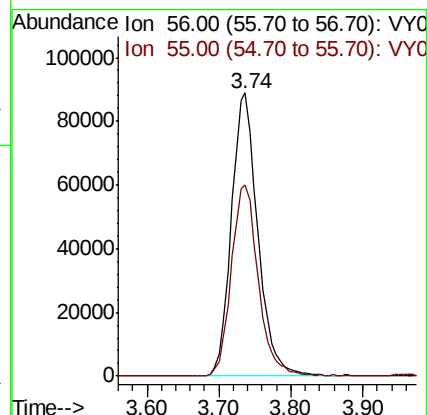
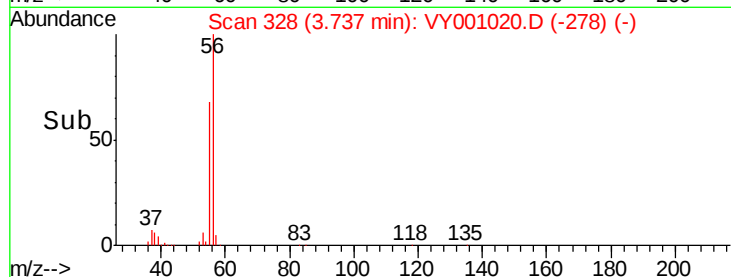
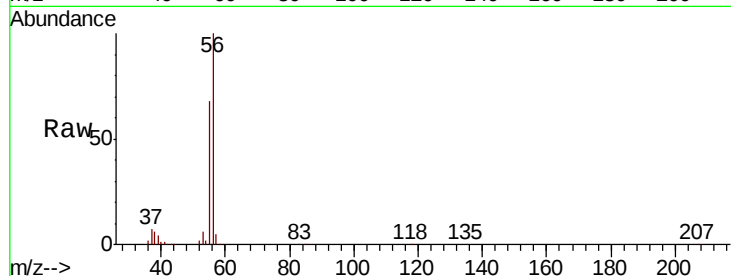
VSTDIC100

Tot Ion: 56 Resp: 227085

Ion Ratio Lower Upper

56 100

55 69.0 55.6 83.4



#14

Allyl chloride

Concen: 95.447 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

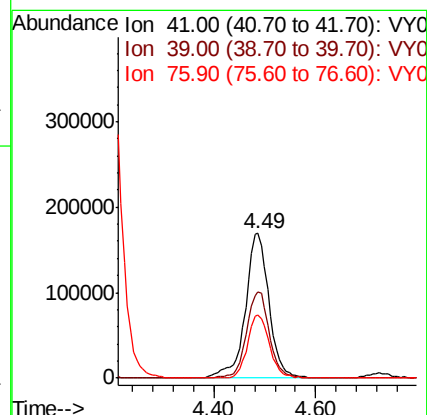
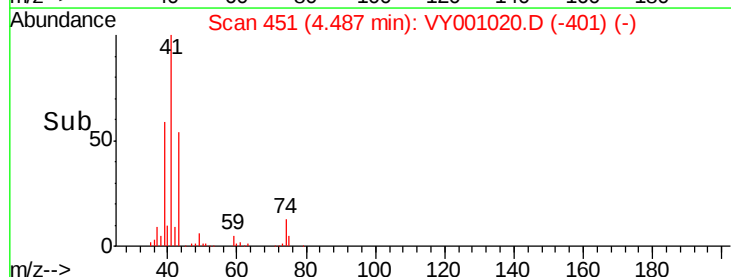
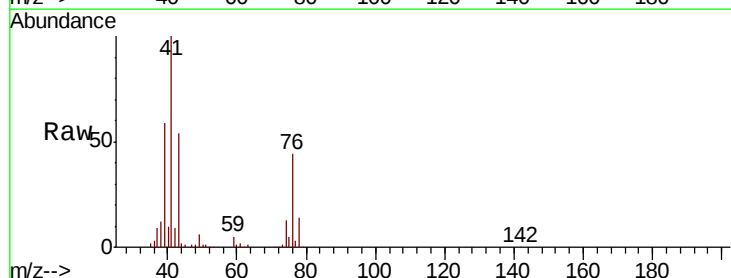
Tgt Ion: 41 Resp: 543679

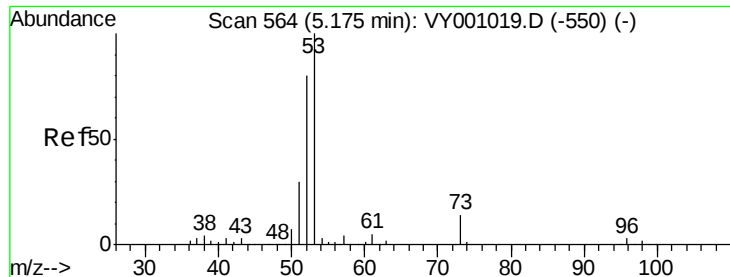
Ion Ratio Lower Upper

41 100

39 58.1 46.0 69.0

76 40.6 32.6 48.8





#15

Acrylonitrile

Concen: 497.086 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

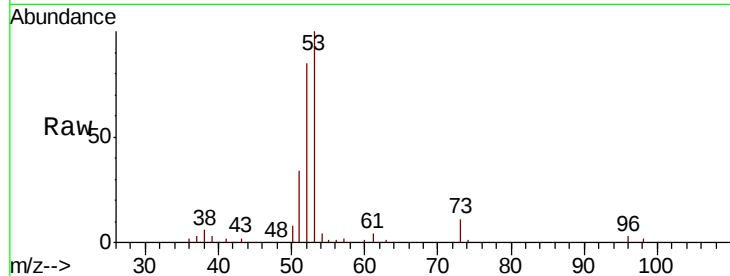
Tot Ion: 53 Resp: 551996

Ion Ratio Lower Upper

53 100

52 81.2 63.6 95.4

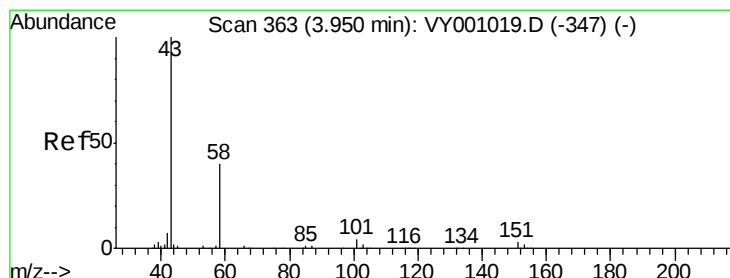
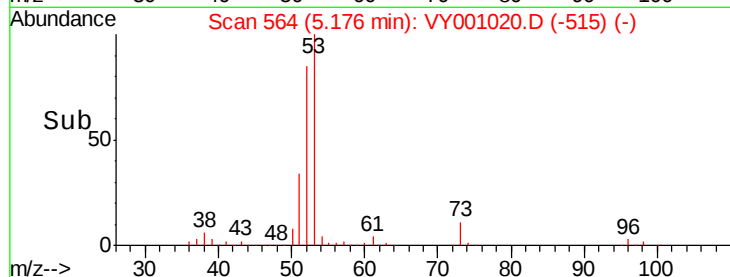
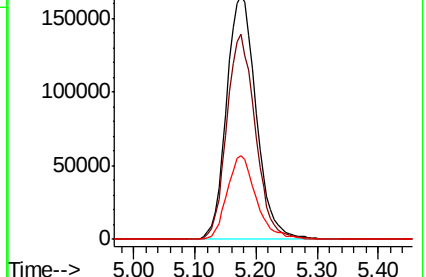
51 33.5 26.7 40.1



Abundance Ion 53.00 (52.70 to 53.70): VY001019.D (-550) (-)

Ion 52.00 (51.70 to 52.70): VY001019.D (-550) (-)

Ion 51.00 (50.70 to 51.70): VY001019.D (-550) (-)



#16

Acetone

Concen: 467.033 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY001020.D

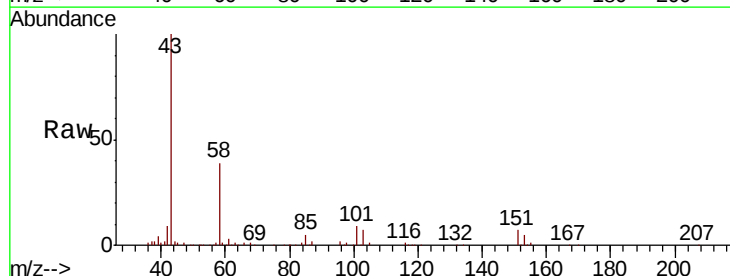
Acq: 23 Dec 2019 11:27

Tgt Ion: 43 Resp: 348334

Ion Ratio Lower Upper

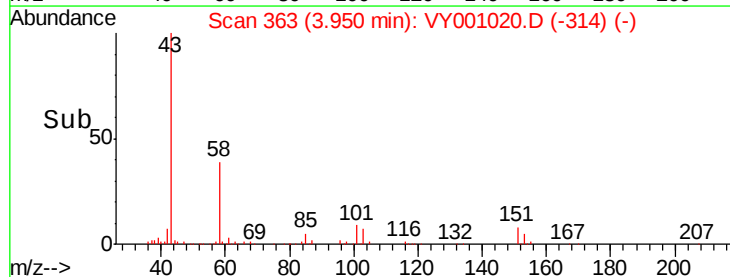
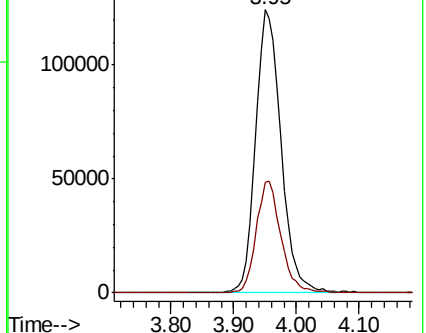
43 100

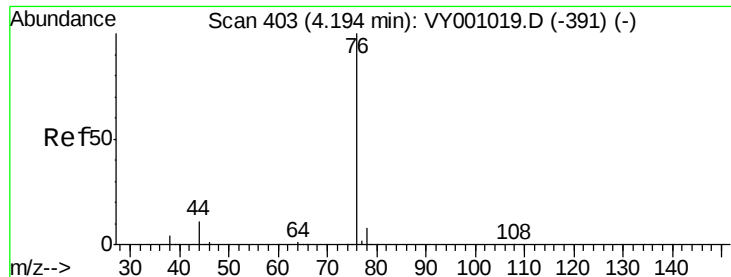
58 38.9 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)

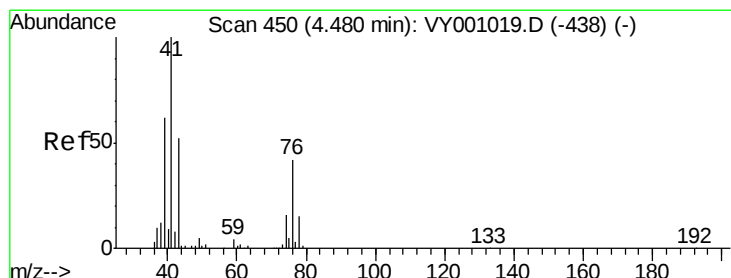
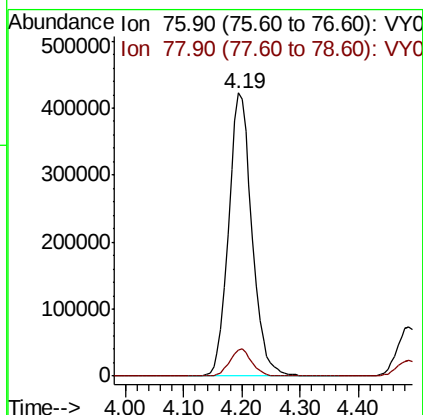
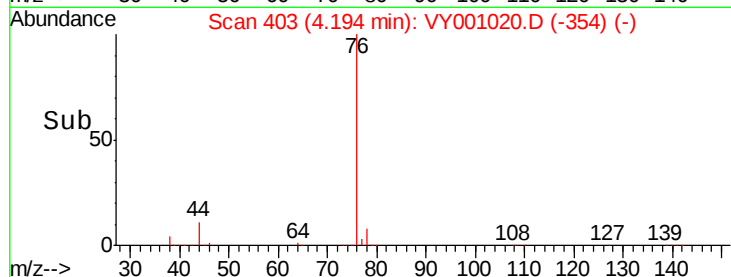
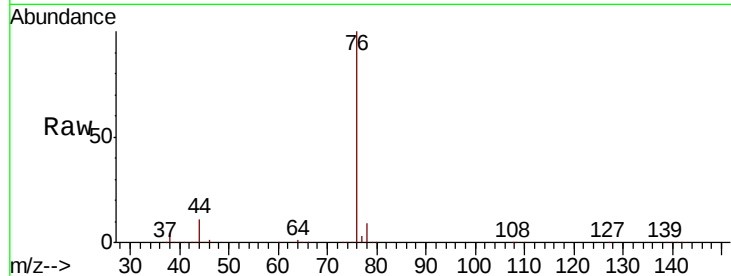




#17
Carbon Disulfide
Concen: 100.041 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

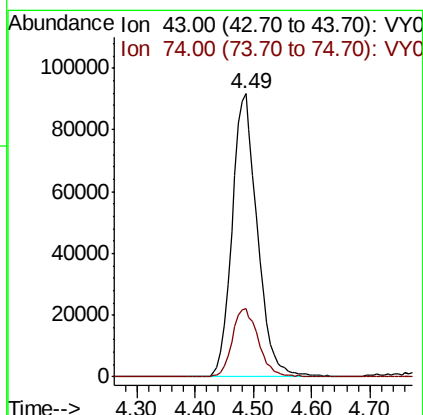
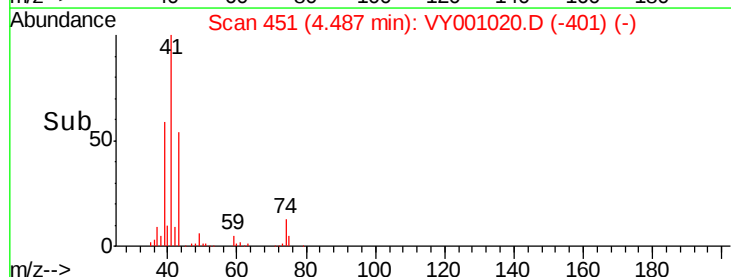
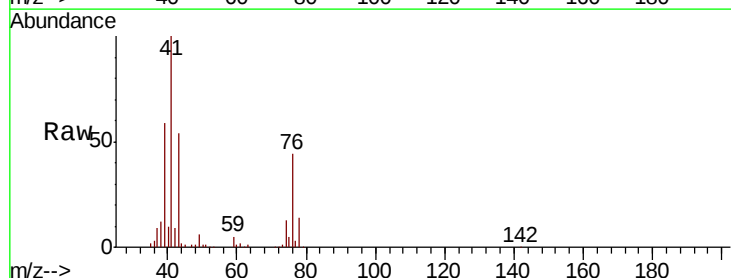
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

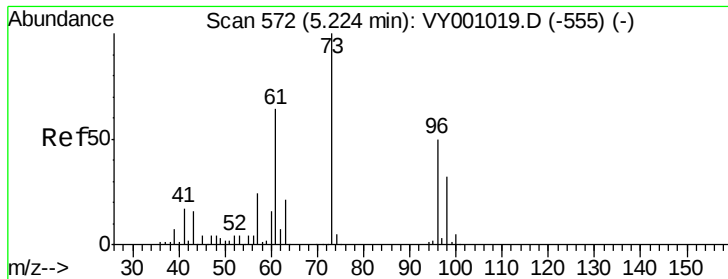
Tot Ion: 76 Resp: 1177686
Ion Ratio Lower Upper
76 100
78 9.1 6.7 10.1



#18
Methyl Acetate
Concen: 98.210 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion: 43 Resp: 276071
Ion Ratio Lower Upper
43 100
74 25.0 20.7 31.1

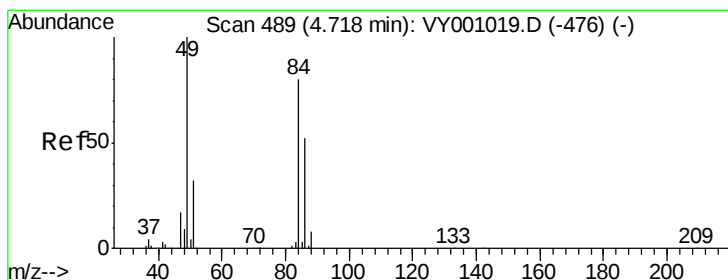
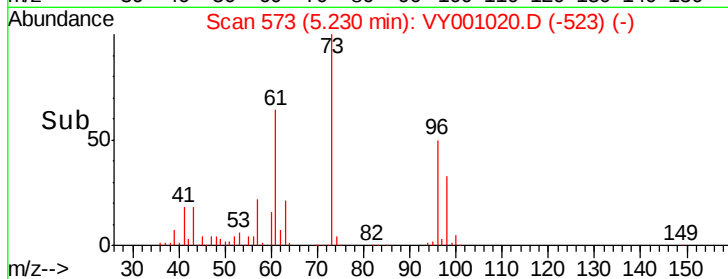
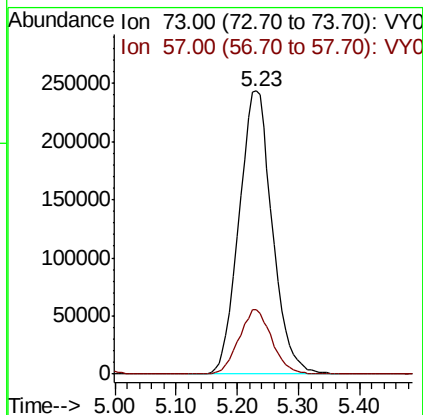
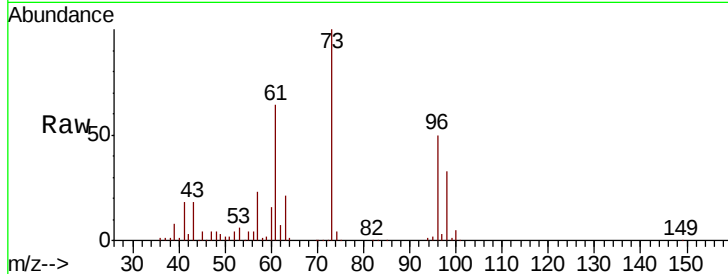




#19
Methvl tert-butvl Ether
Concen: 97.805 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

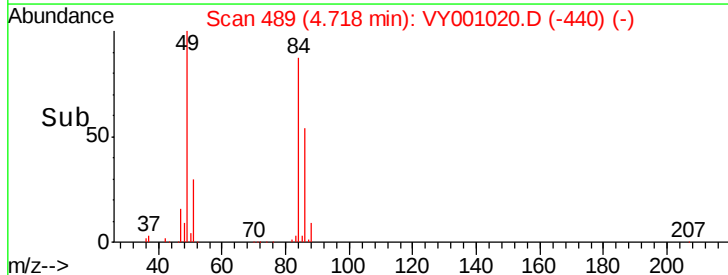
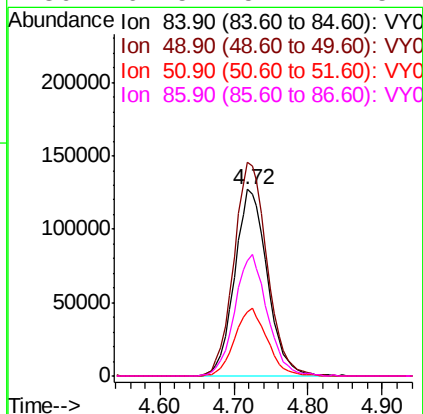
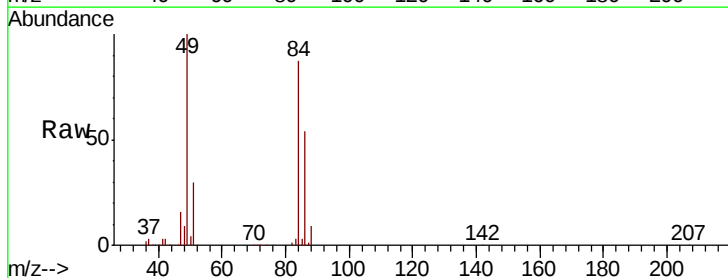
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

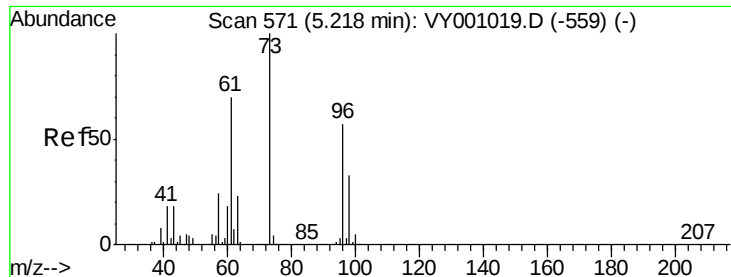
Tot Ion: 73 Resp: 916672
Ion Ratio Lower Upper
73 100
57 22.7 19.0 28.6



#20
Methylene Chloride
Concen: 87.788 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion: 84 Resp: 392188
Ion Ratio Lower Upper
84 100
49 114.3 99.8 149.6
51 34.0 31.4 47.2
86 61.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 97.474 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

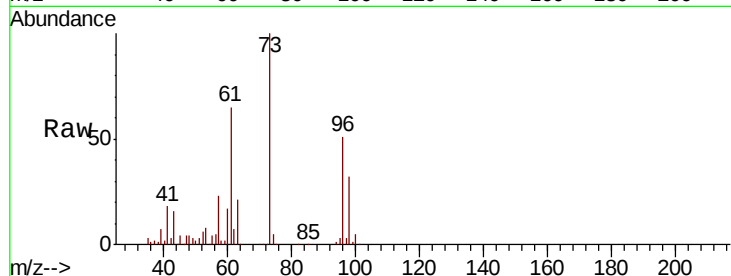
Tot Ion: 96 Resp: 392648

Ion Ratio Lower Upper

96 100

61 128.2 98.1 147.1

98 63.5 47.2 70.8

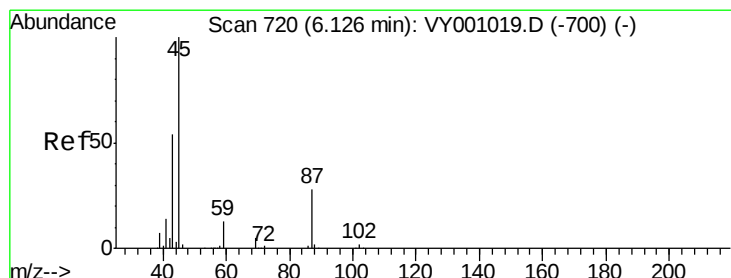
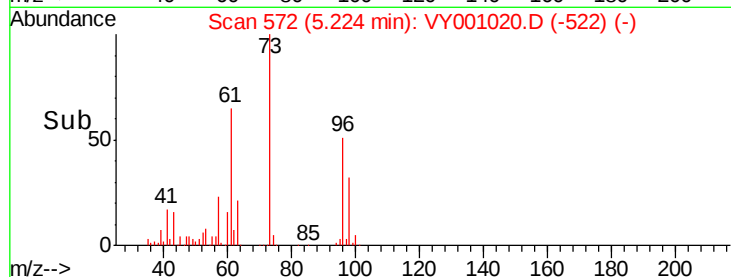
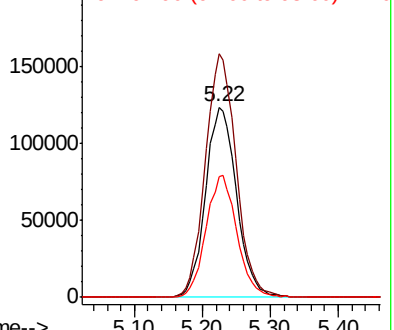


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 90.734 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Tgt Ion: 45 Resp: 1062516

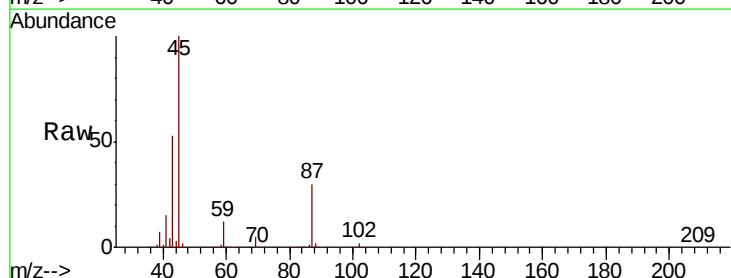
Ion Ratio Lower Upper

45 100

43 53.3 43.6 65.4

87 29.6 23.1 34.7

59 12.3 10.2 15.4



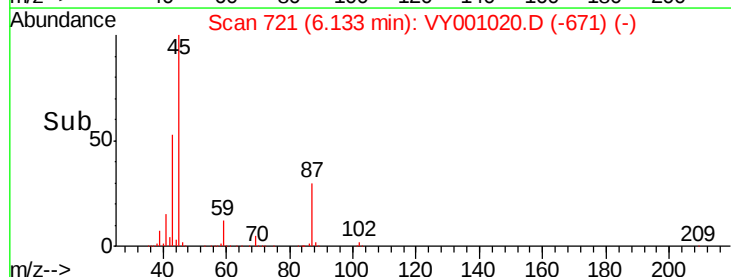
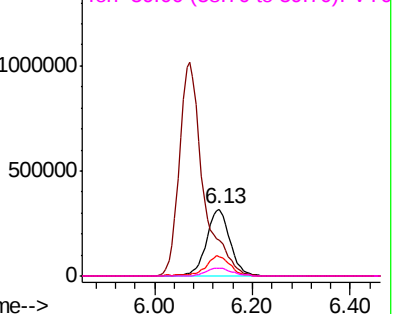
Abundance

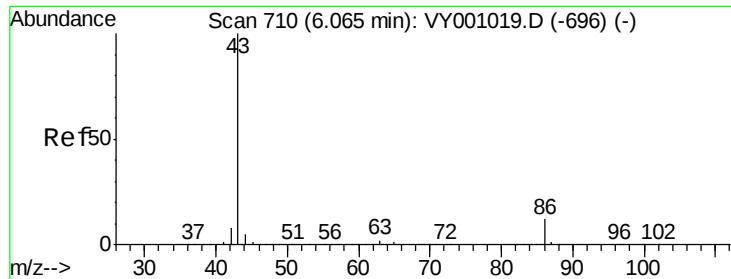
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 467.755 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

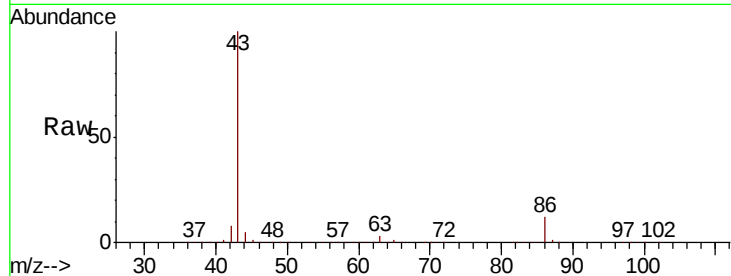
VSTDIC100

Tot Ion: 43 Resp: 3435280

Ion Ratio Lower Upper

43 100

86 12.4 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-696) (-)

Ion 86.00 (85.70 to 86.70): VY001019.D (-696) (-)

6.07

1200000

1000000

800000

600000

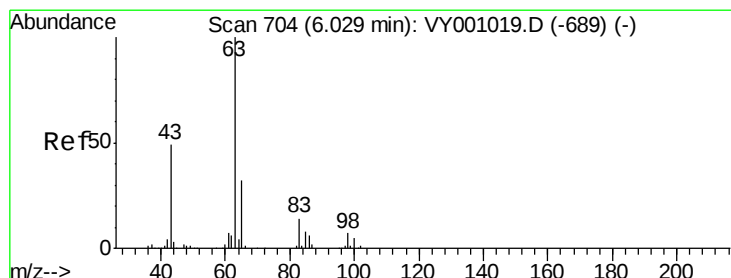
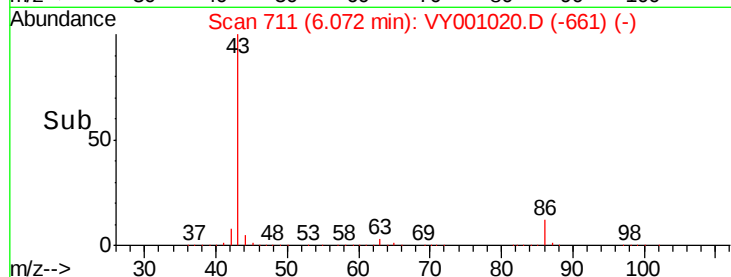
400000

200000

0

Time-->

6.00 6.20



#24

1,1-Dichloroethane

Concen: 94.280 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

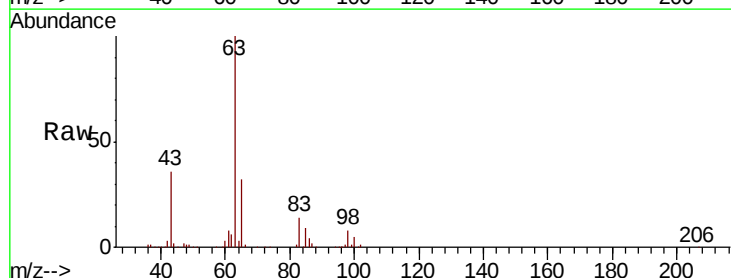
Tgt Ion: 63 Resp: 642740

Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

100 4.5 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VY001019.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VY001019.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VY001019.D (-689) (-)

6.03

250000

200000

150000

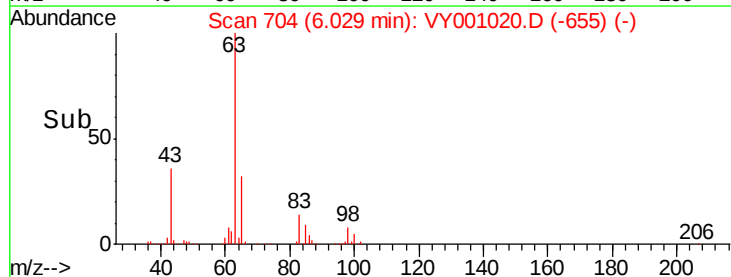
100000

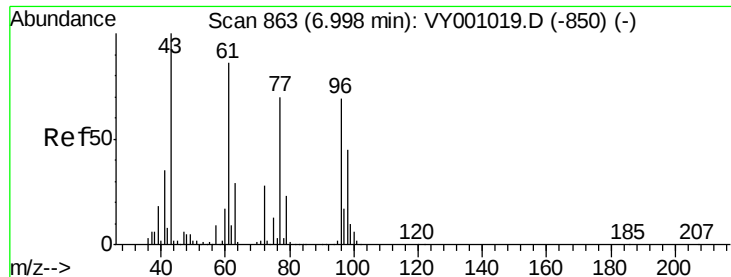
50000

0

Time-->

5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 479.000 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

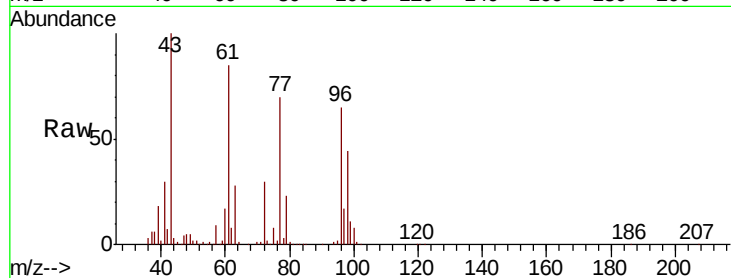
VSTDIC100

Tot Ion: 43 Resp: 623610

Ion Ratio Lower Upper

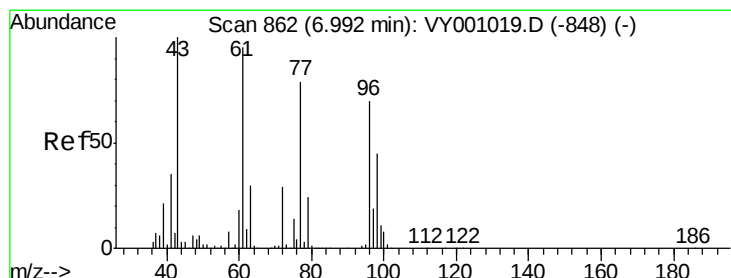
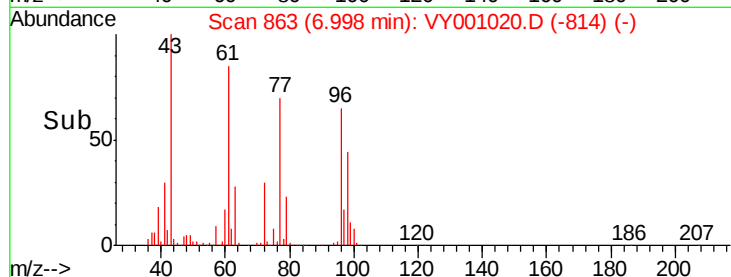
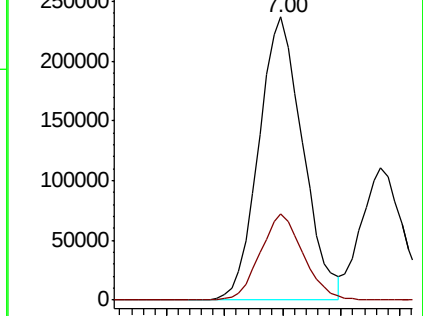
43 100

72 30.3 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 91.818 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001020.D

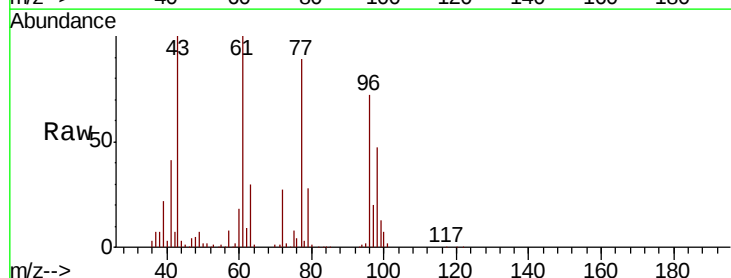
Acq: 23 Dec 2019 11:27

Tgt Ion: 77 Resp: 519159

Ion Ratio Lower Upper

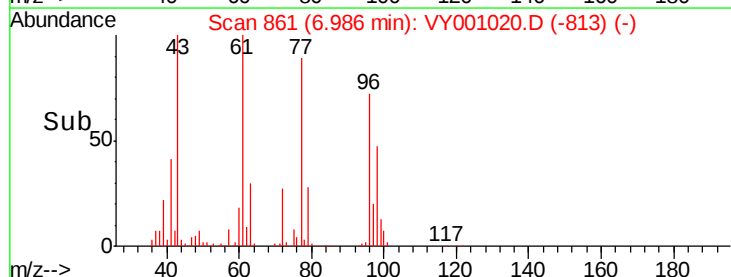
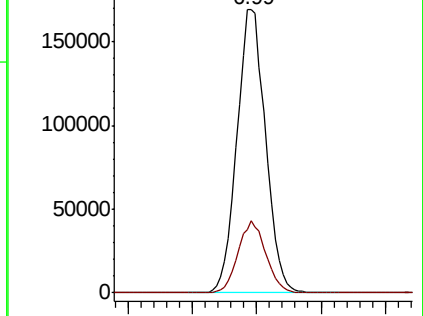
77 100

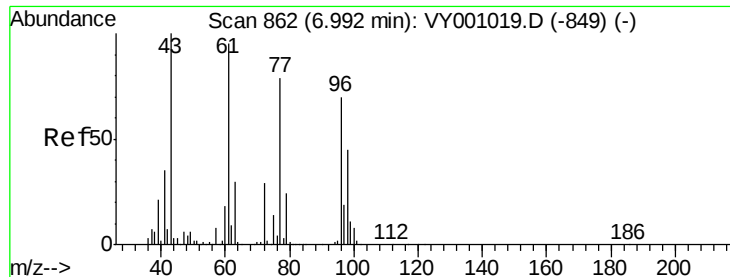
97 24.6 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



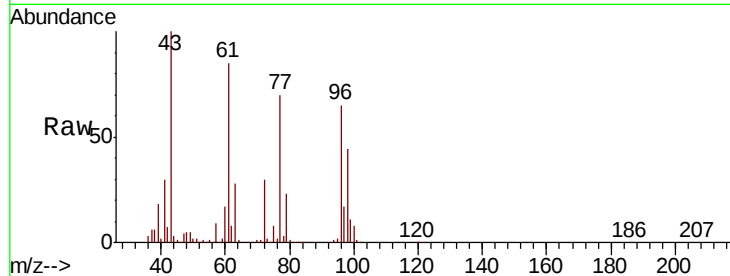


#27

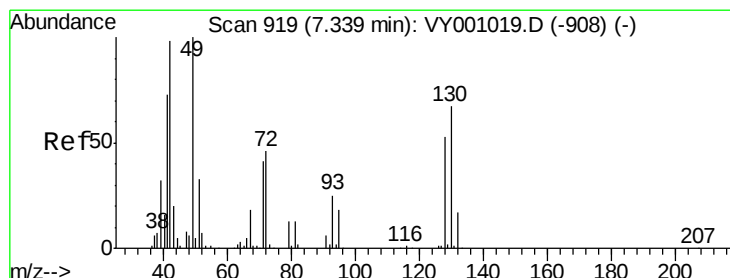
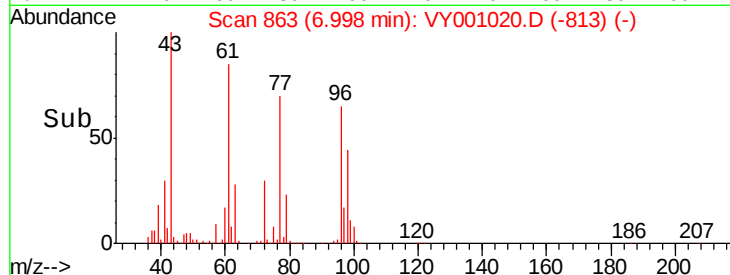
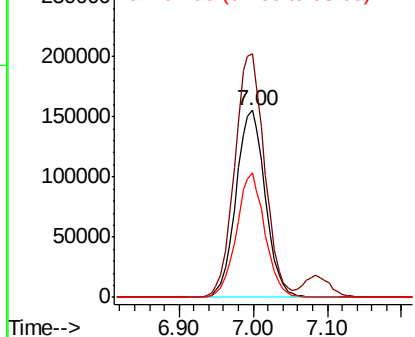
cis-1,2-Dichloroethene
Concen: 96.600 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 428780
Ion Ratio Lower Upper
96 100
61 133.0 0.0 268.2
98 64.2 0.0 129.2



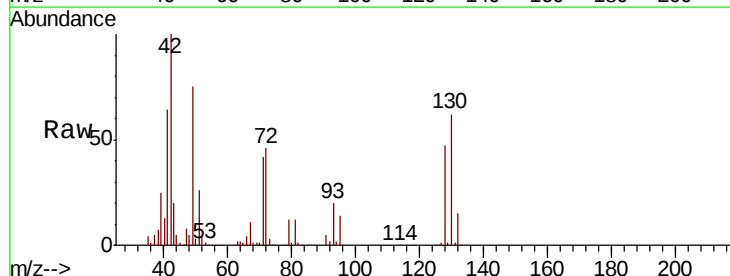
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



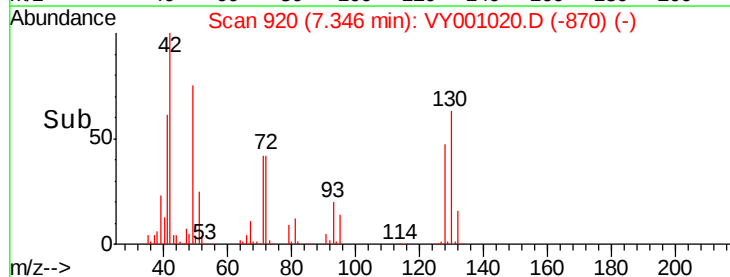
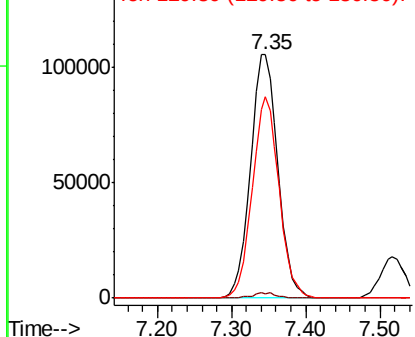
#28

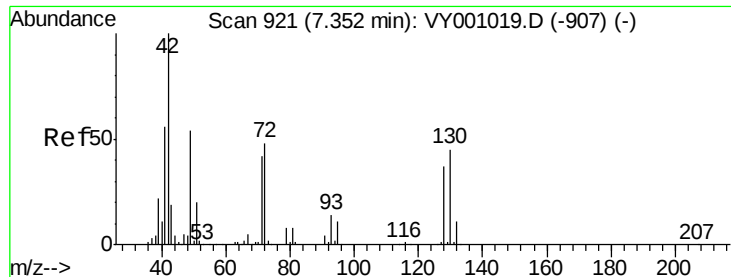
Bromochloromethane
Concen: 104.716 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion: 49 Resp: 271455
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.8
130 80.5 60.4 90.6



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





#29

Tetrahydrofuran

Concen: 461.648 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

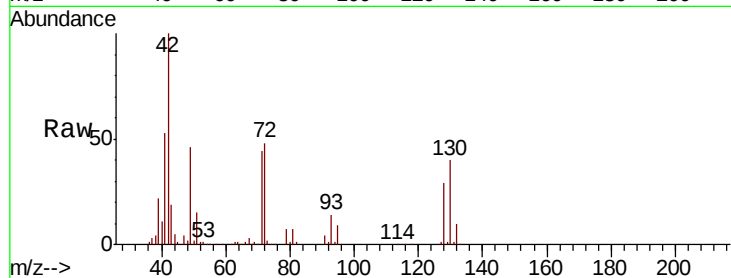
Tot Ion: 42 Resp: 432791

Ion Ratio Lower Upper

42 100

72 48.7 37.7 56.5

71 44.6 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VY001019.D (-907) (-)

Ion 72.00 (71.70 to 72.70): VY001019.D (-907) (-)

Ion 71.00 (70.70 to 71.70): VY001019.D (-907) (-)

7.36

150000

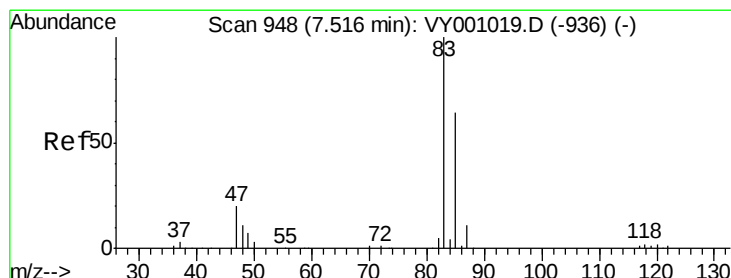
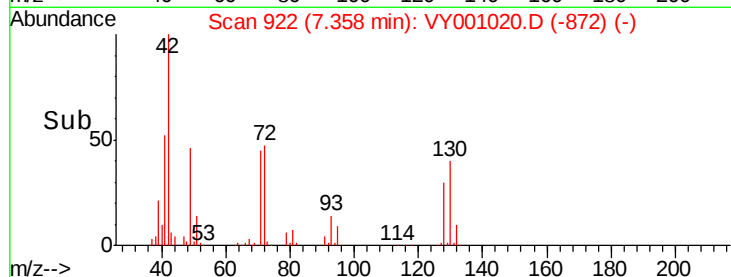
100000

50000

0

7.20 7.30 7.40 7.50

Time-->



#30

Chloroform

Concen: 95.958 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY001020.D

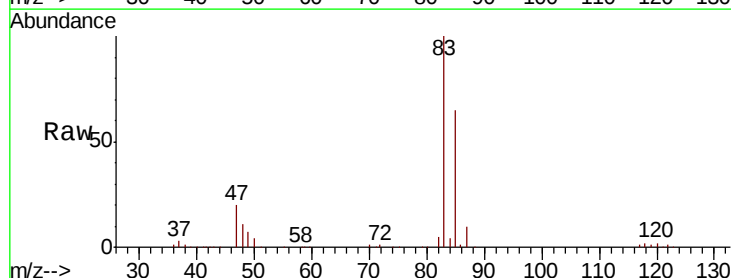
Acq: 23 Dec 2019 11:27

Tgt Ion: 83 Resp: 615314

Ion Ratio Lower Upper

83 100

85 65.4 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VY001019.D (-936) (-)

Ion 84.90 (84.60 to 85.60): VY001019.D (-936) (-)

7.52

250000

200000

150000

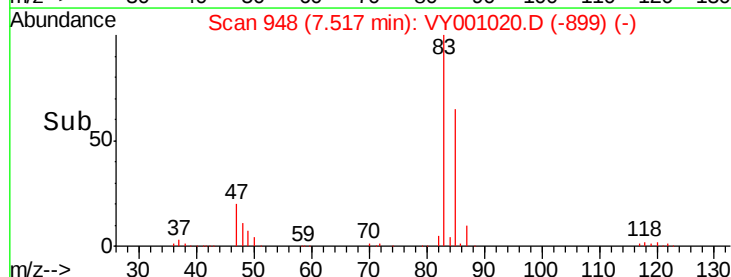
100000

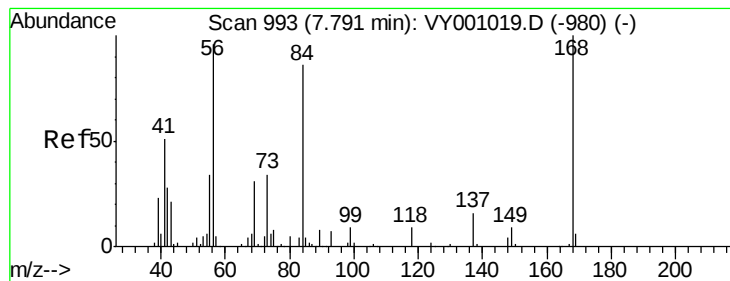
50000

0

7.40 7.50 7.60

Time-->





#31

Cyclohexane

Concen: 85.882 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

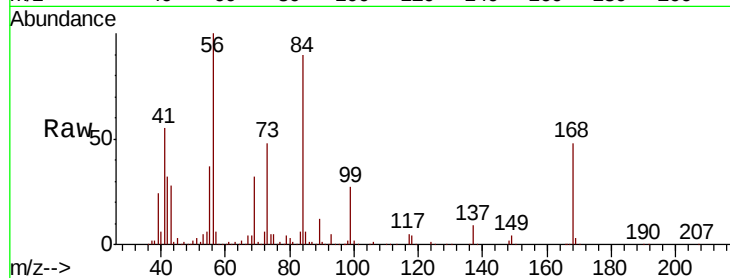
Tot Ion: 56 Resp: 633693

Ion Ratio Lower Upper

56 100

69 31.7 26.1 39.1

84 88.6 71.8 107.8

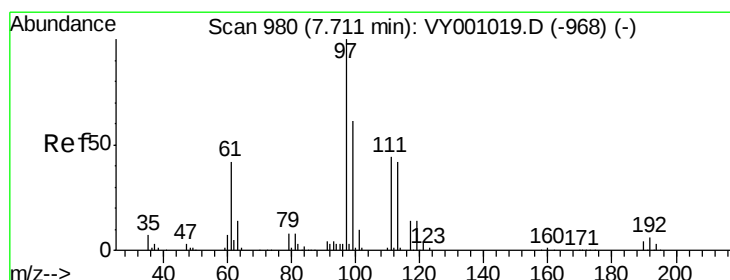
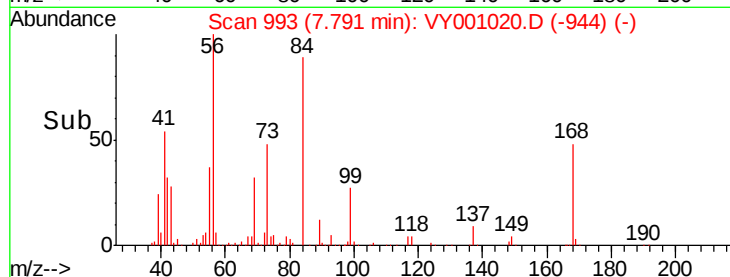
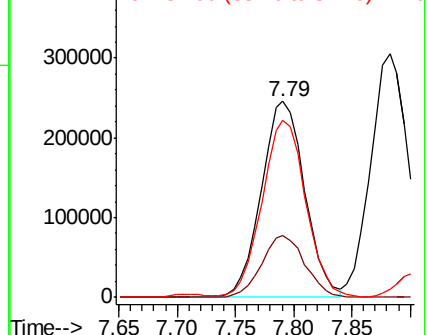


Abundance

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: 96.715 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

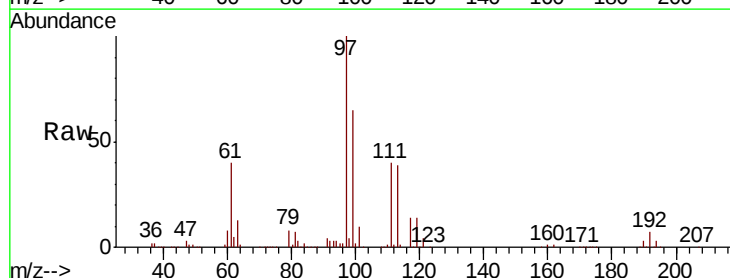
Tgt Ion: 97 Resp: 525993

Ion Ratio Lower Upper

97 100

99 65.1 50.6 76.0

61 41.4 33.0 49.6

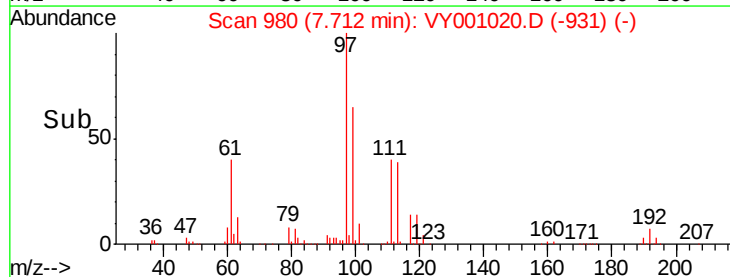
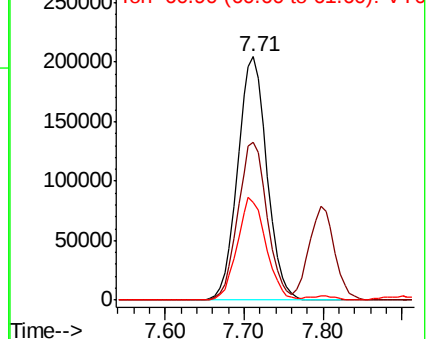


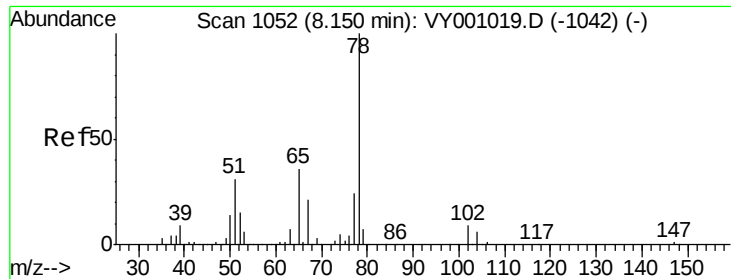
Abundance

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: 104.525 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

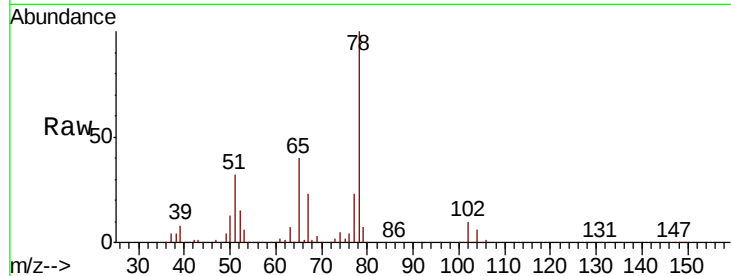
VSTDIC100

Tot Ion: 65 Resp: 327303

Ion Ratio Lower Upper

65 100

67 56.7 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY001020.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY001020.D (-1003) (-)

8.15

150000

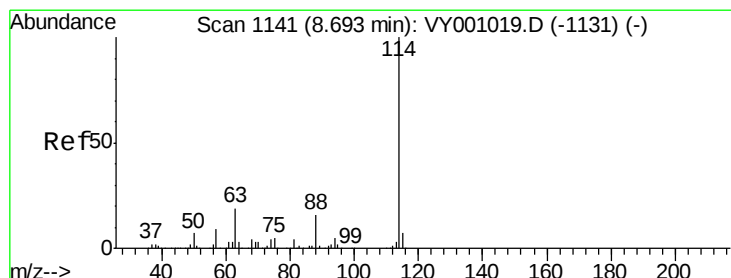
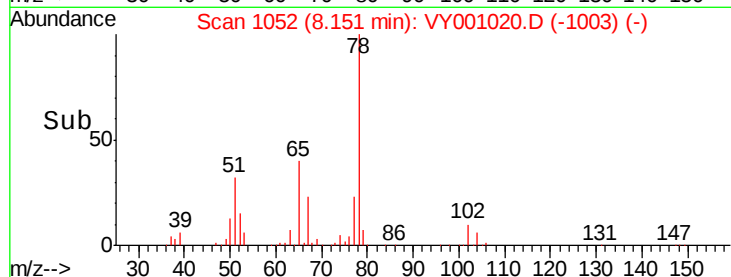
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

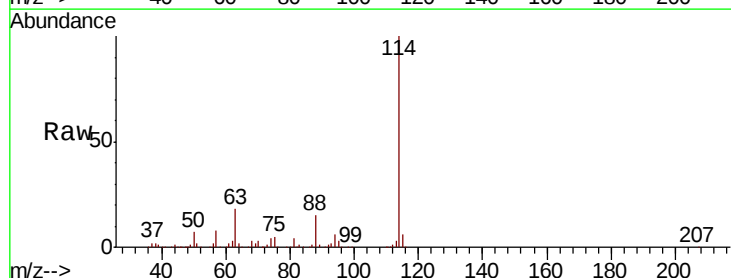
Tgt Ion: 114 Resp: 552836

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.0

88 14.8 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VY001020.D (-1092) (-)

Ion 63.00 (62.70 to 63.70): VY001020.D (-1092) (-)

Ion 87.90 (87.60 to 88.60): VY001020.D (-1092) (-)

8.69

300000

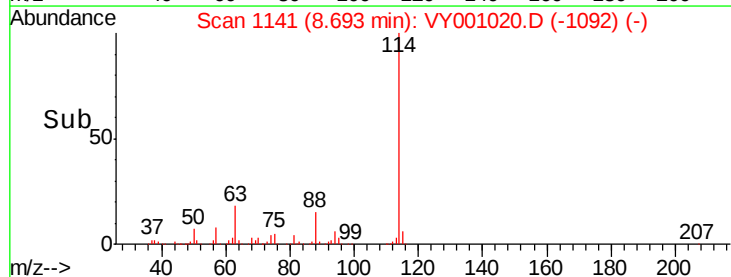
200000

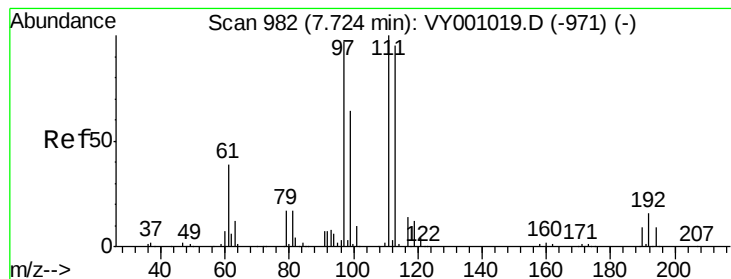
100000

0

8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 100.675 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

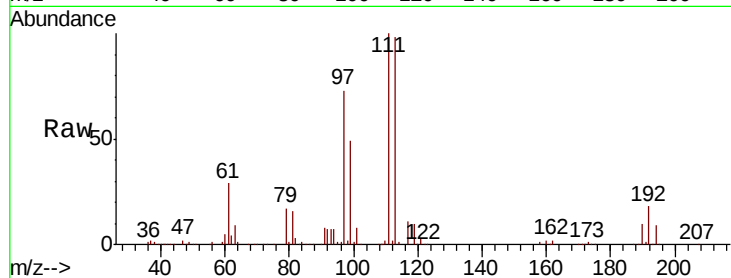
Tot Ion:113 Resp: 333151

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.4

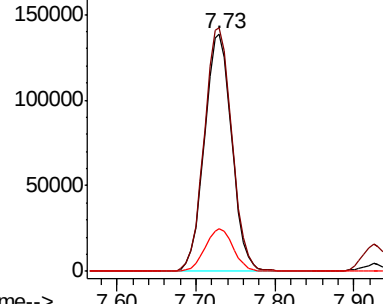
192 18.5 14.6 21.8



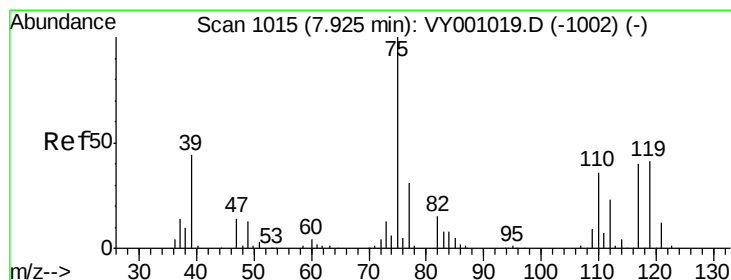
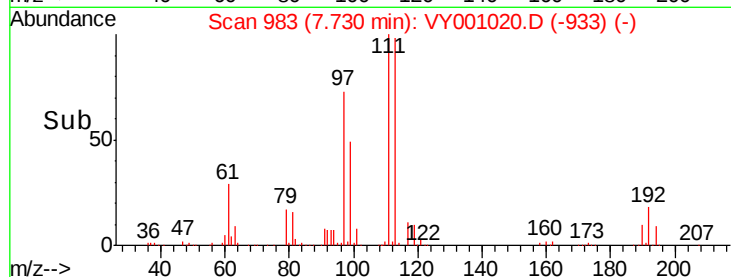
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 95.907 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

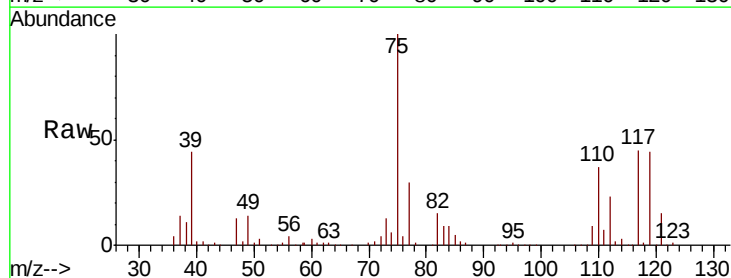
Tgt Ion: 75 Resp: 521493

Ion Ratio Lower Upper

75 100

110 36.8 18.1 54.4

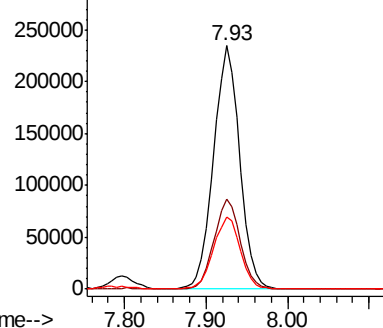
77 30.7 24.6 37.0



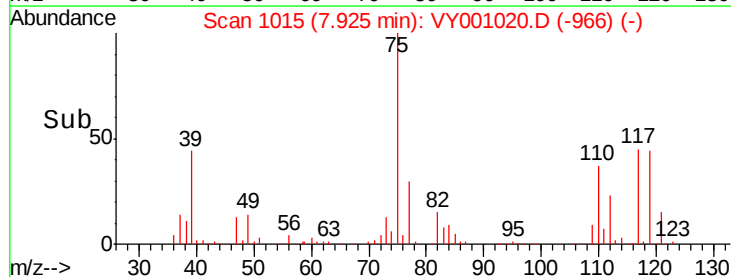
Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0



Time-->

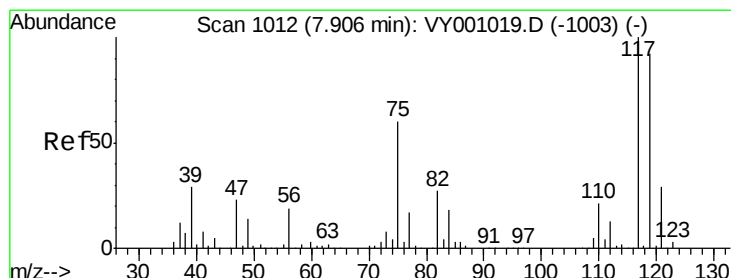
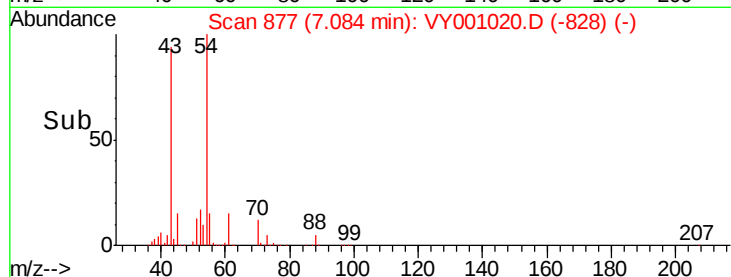
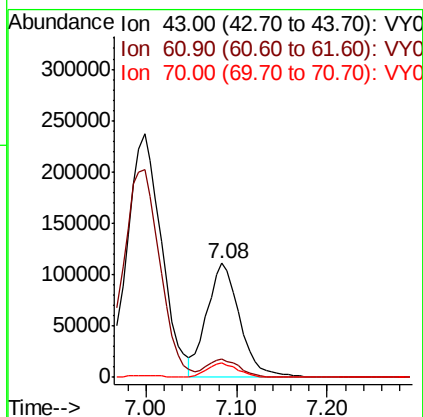
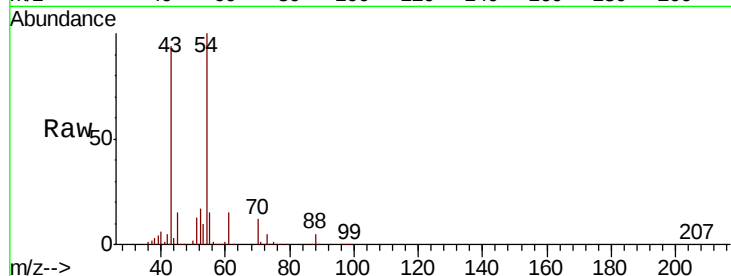




#37
Ethyl Acetate
Concen: 92.830 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

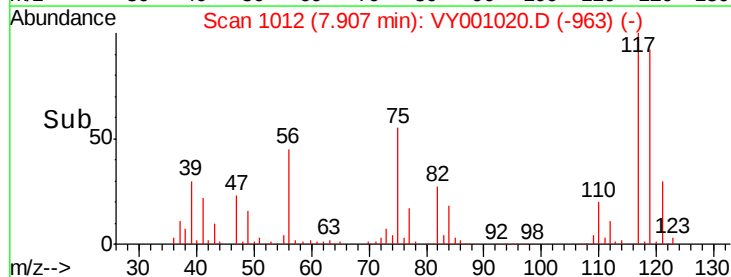
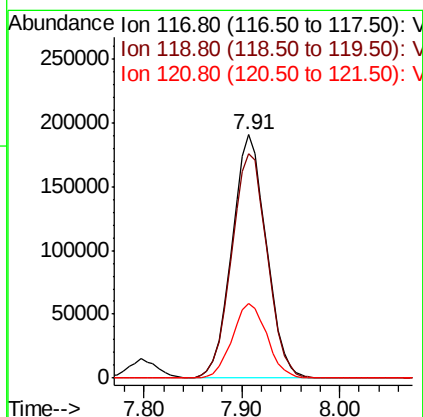
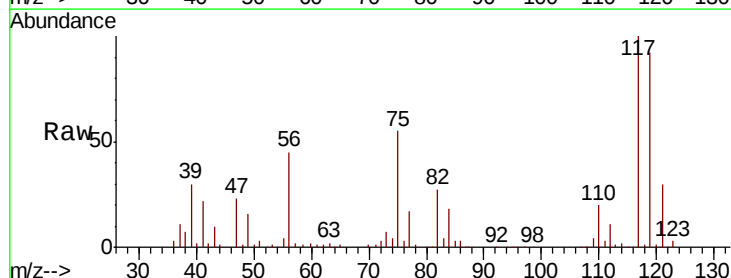
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

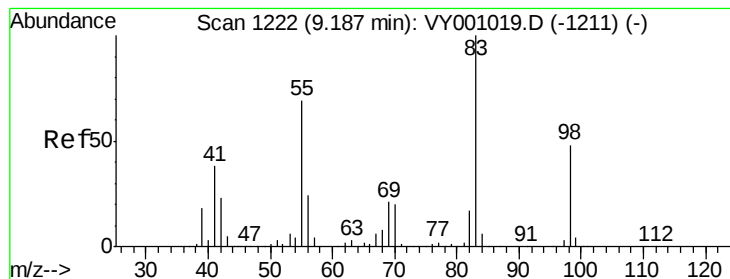
Tot Ion: 43 Resp: 282269
Ion Ratio Lower Upper
43 100
61 16.2 12.5 18.7
70 12.2 9.0 13.4



#38
Carbon Tetrachloride
Concen: 98.652 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion: 117 Resp: 464136
Ion Ratio Lower Upper
117 100
119 92.3 74.2 111.2
121 30.5 22.9 34.3





#39

Methvlcvclohexane

Concen: 97.631 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

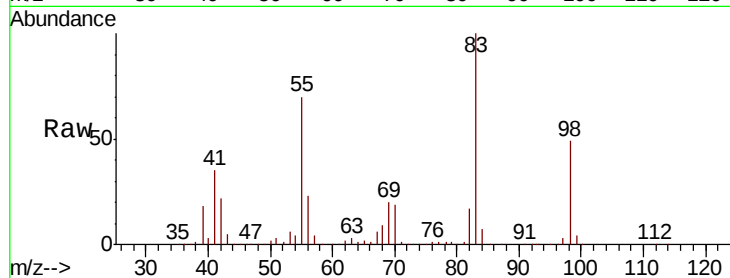
Tot Ion: 83 Resp: 699147

Ion Ratio Lower Upper

83 100

55 70.5 55.1 82.7

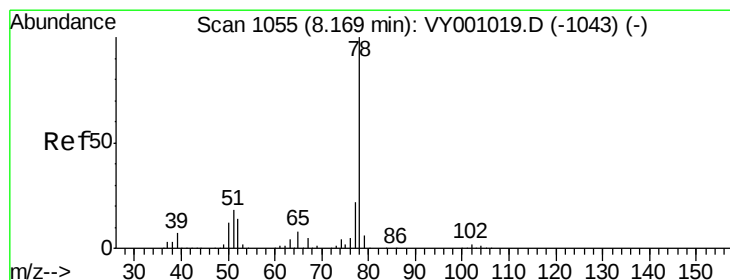
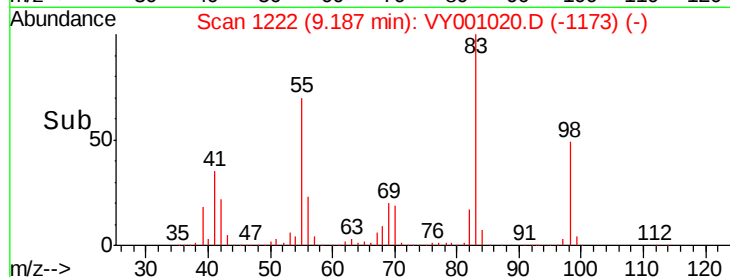
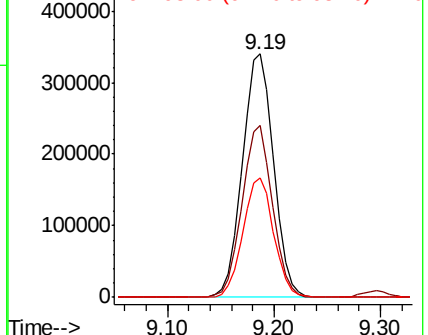
98 49.2 38.3 57.5



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: 96.646 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY001020.D

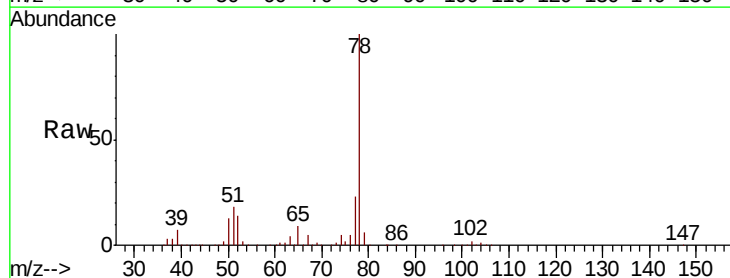
Acq: 23 Dec 2019 11:27

Tgt Ion: 78 Resp: 1579675

Ion Ratio Lower Upper

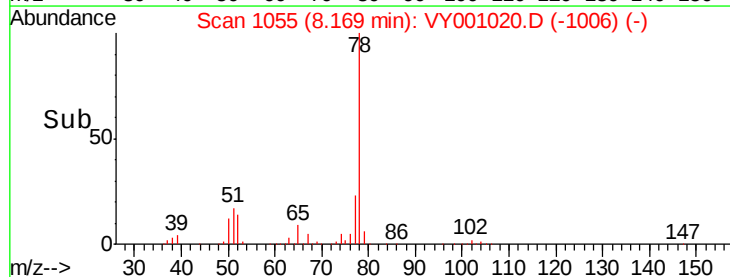
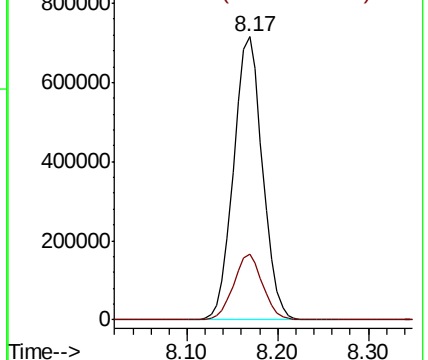
78 100

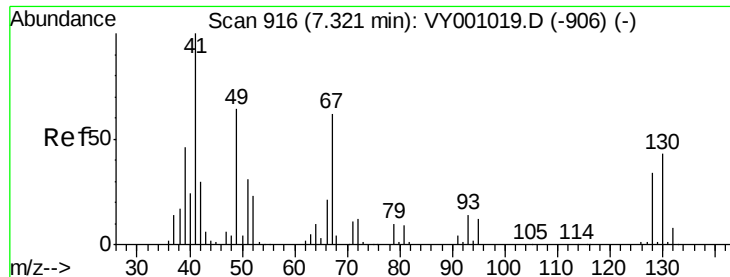
77 23.4 17.7 26.5



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

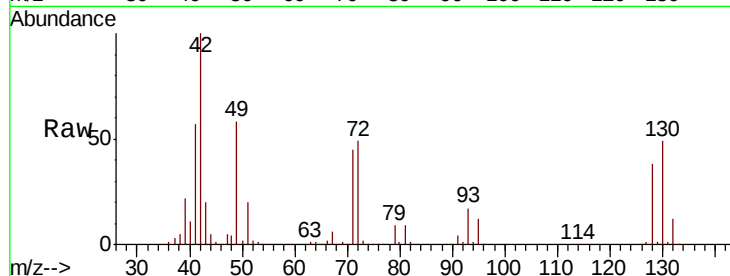




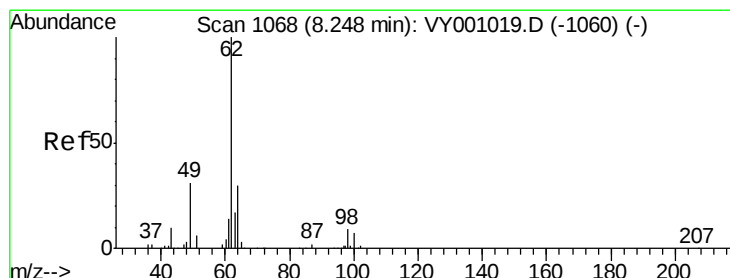
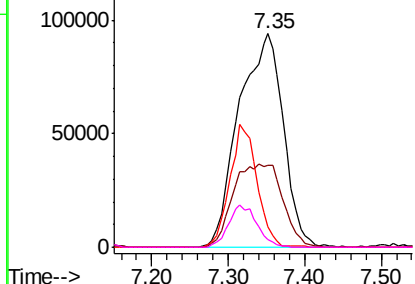
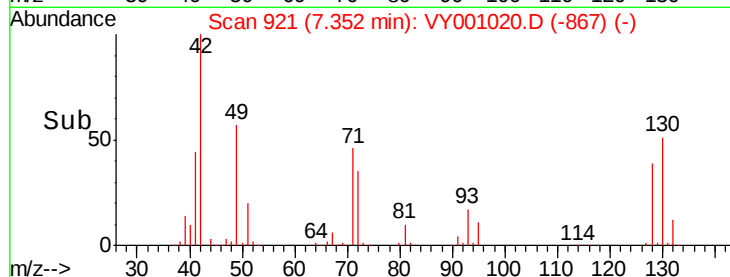
#41
Methacrylonitrile
Concen: 300.886 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 378945
Ion Ratio Lower Upper
41 100
39 43.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

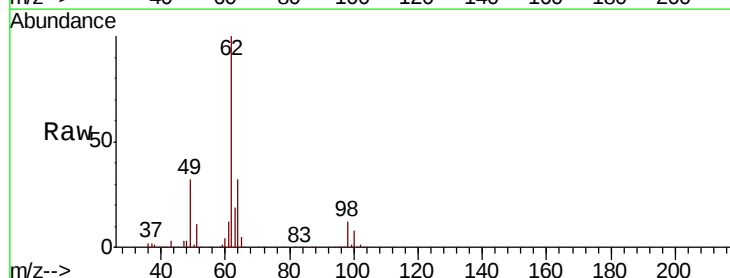


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

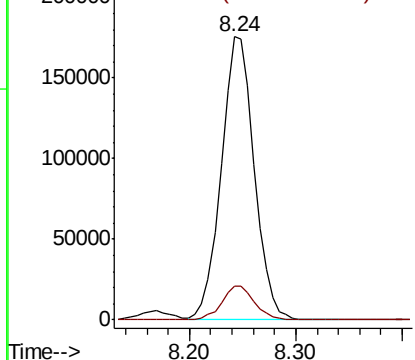
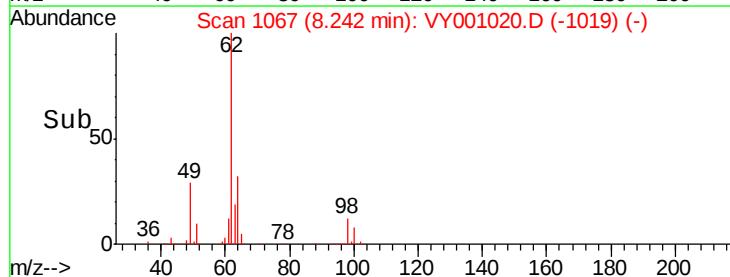


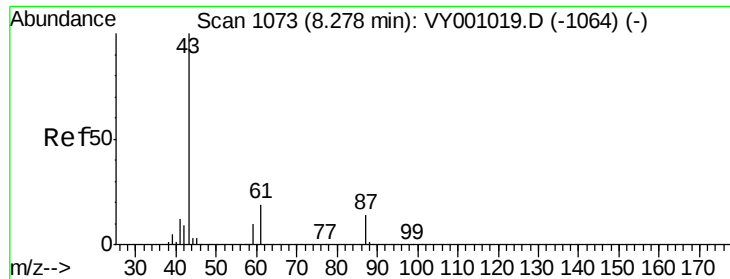
#42
1,2-Dichloroethane
Concen: 97.397 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion: 62 Resp: 379510
Ion Ratio Lower Upper
62 100
98 11.8 0.0 23.4



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





#43

Isopropyl Acetate

Concen: 100.053 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

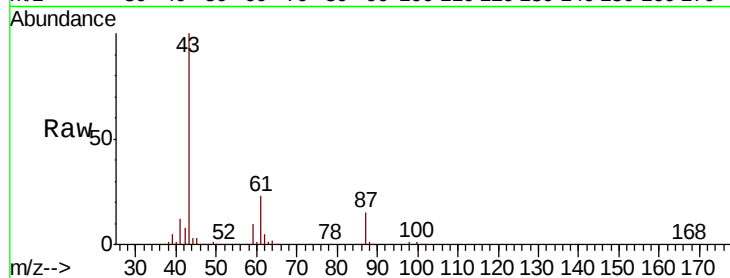
Tot Ion: 43 Resp: 551160

Ion Ratio Lower Upper

43 100

61 31.5 25.0 37.6

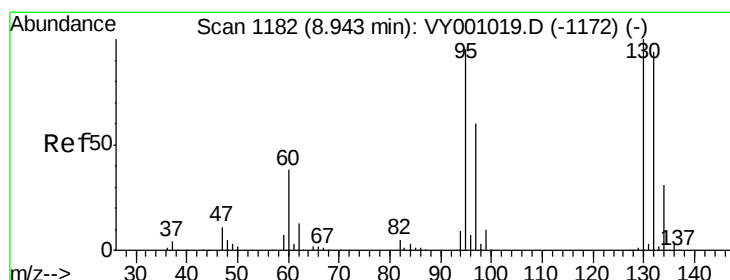
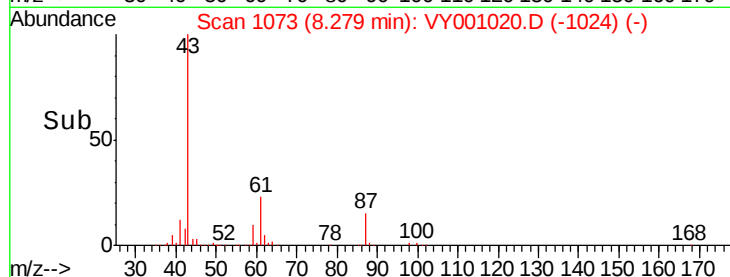
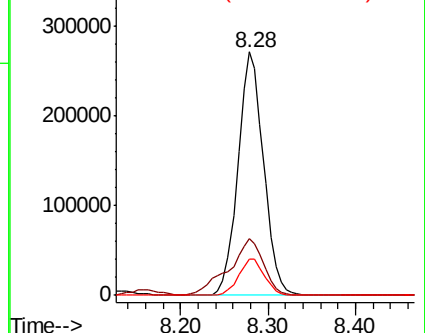
87 15.2 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY001019.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY001019.D (-1064) (-)



#44

Trichloroethene

Concen: 95.885 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY001020.D

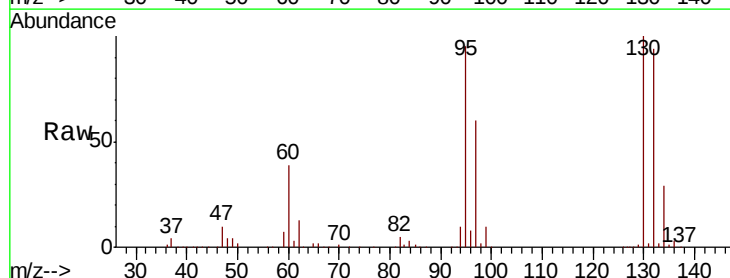
Acq: 23 Dec 2019 11:27

Tgt Ion:130 Resp: 414328

Ion Ratio Lower Upper

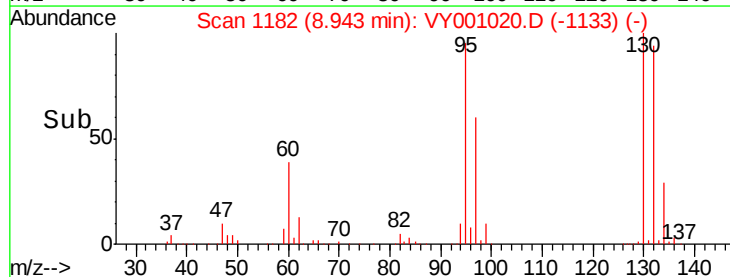
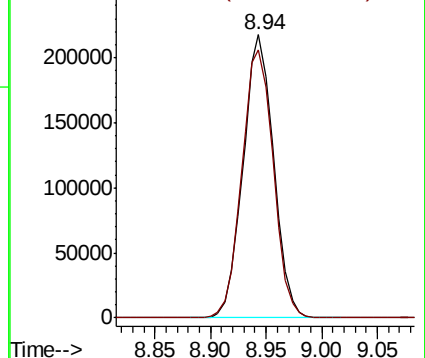
130 100

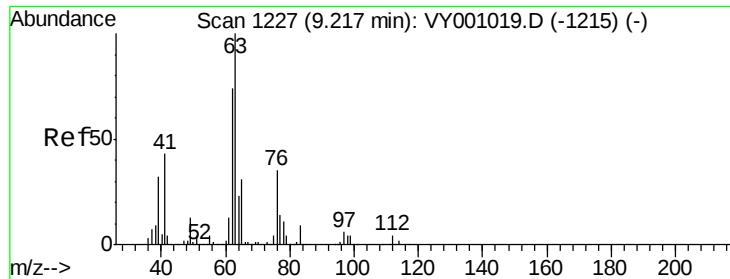
95 94.9 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VY001019.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY001019.D (-1172) (-)

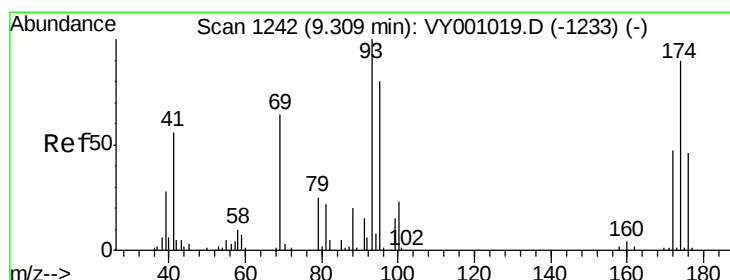
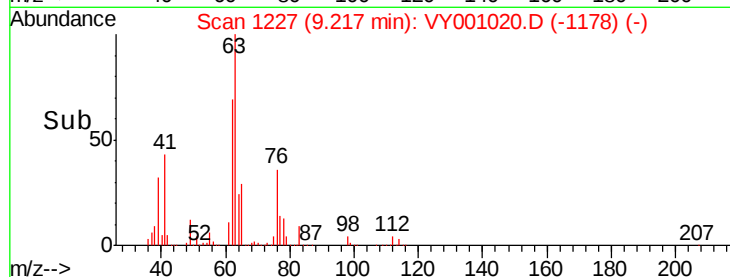
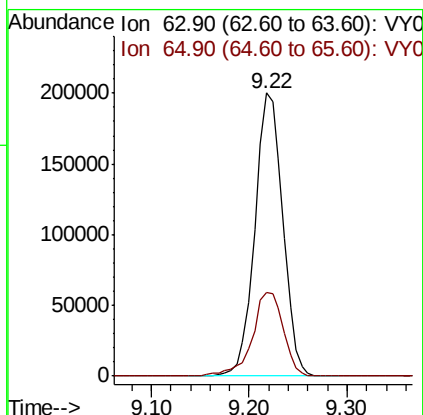
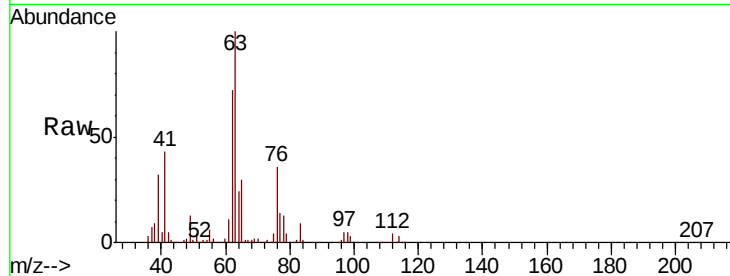




#45
 1,2-Dichloropropane
 Concen: 96.405 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

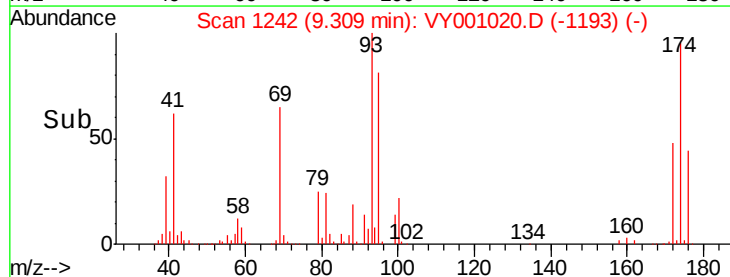
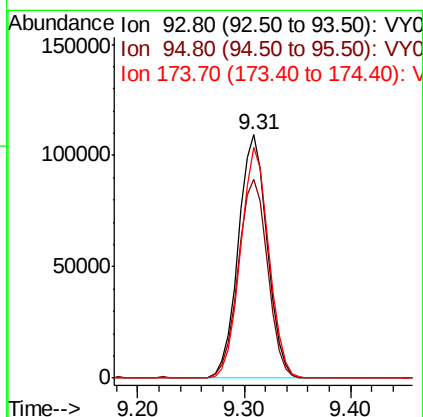
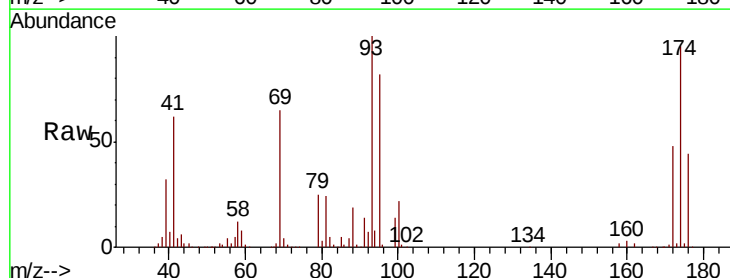
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

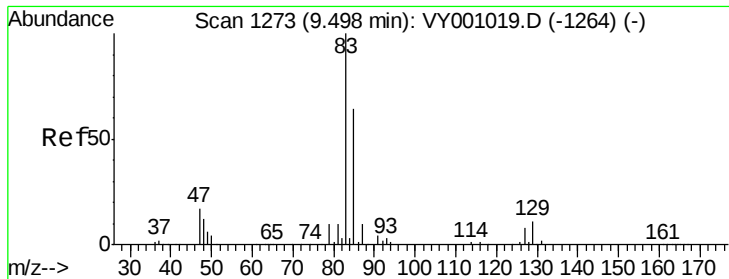
Tot Ion: 63 Resp: 396073
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.1 37.7



#46
 Dibromomethane
 Concen: 99.451 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

Tgt Ion: 93 Resp: 208489
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 92.6 73.6 110.4





#47

Bromodichloromethane

Concen: 99.465 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

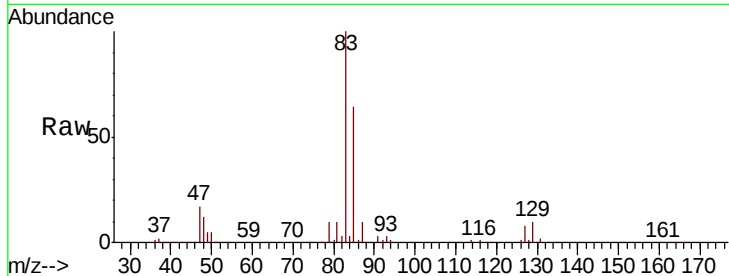
Tot Ion: 83 Resp: 482116

Ion Ratio Lower Upper

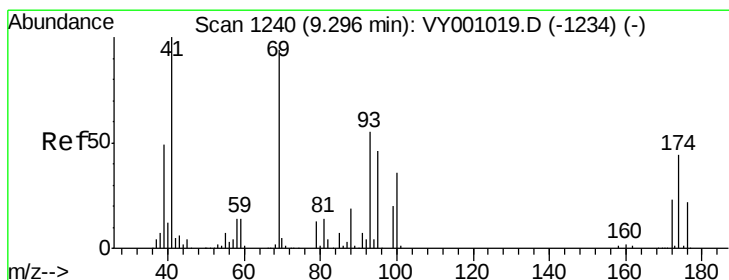
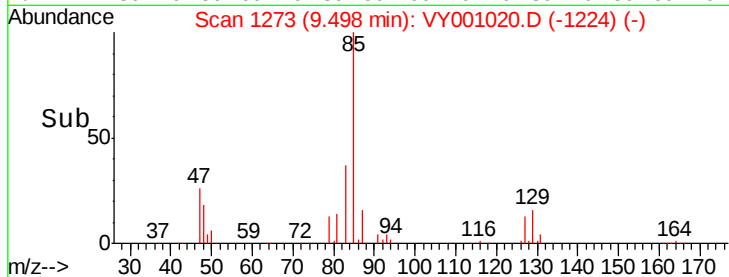
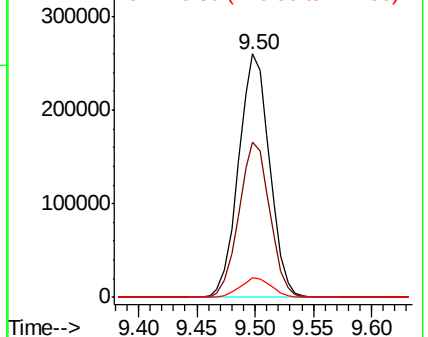
83 100

85 63.8 50.9 76.3

127 8.1 6.4 9.6



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



#48

Methyl methacrylate

Concen: 102.033 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

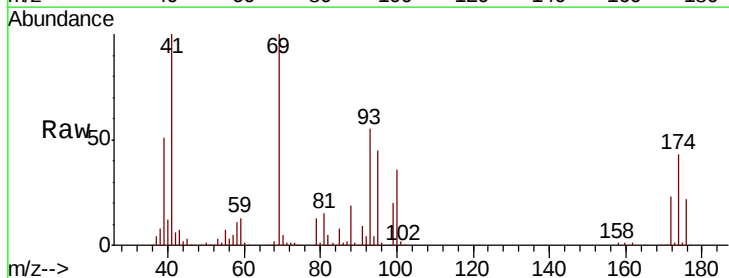
Tgt Ion: 41 Resp: 238130

Ion Ratio Lower Upper

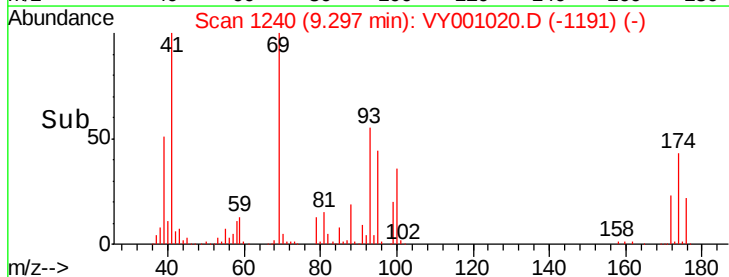
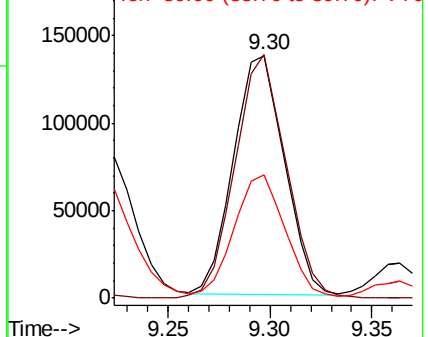
41 100

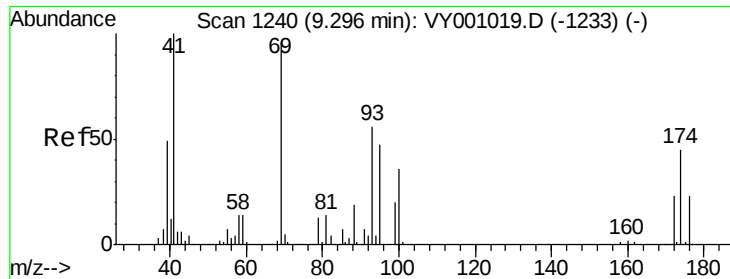
69 101.8 79.8 119.6

39 52.0 41.7 62.5



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: 1989.783 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

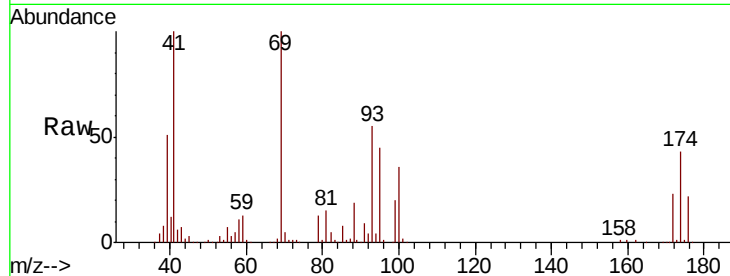
Tot Ion: 88 Resp: 60727

Ion Ratio Lower Upper

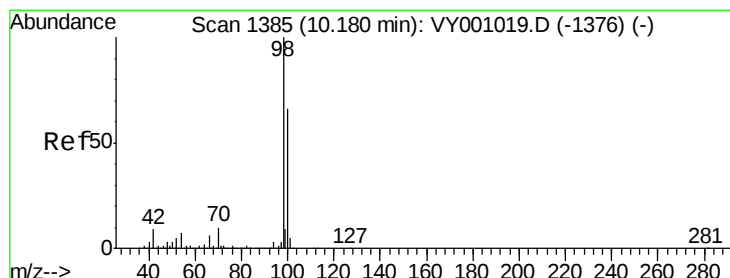
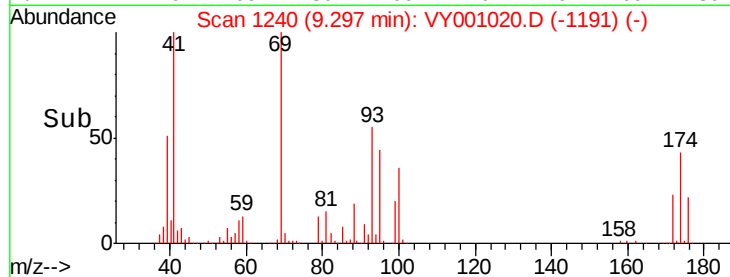
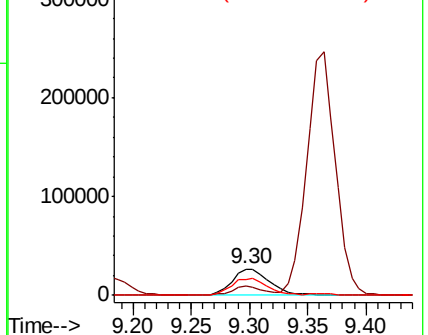
88 100

43 28.5 23.0 34.4

58 63.1 54.9 82.3



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: 109.093 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001020.D

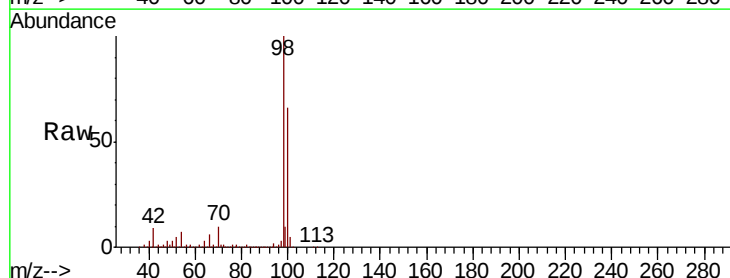
Acq: 23 Dec 2019 11:27

Tgt Ion: 98 Resp: 1375332

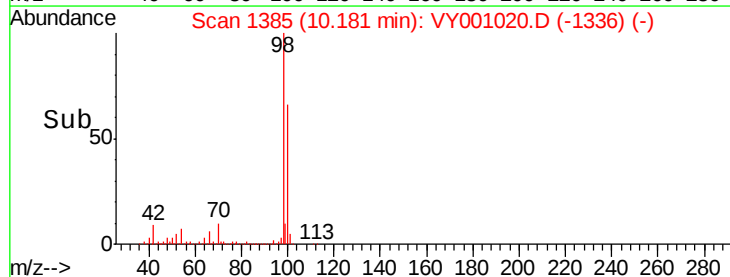
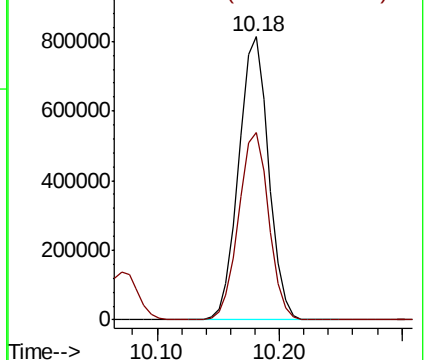
Ion Ratio Lower Upper

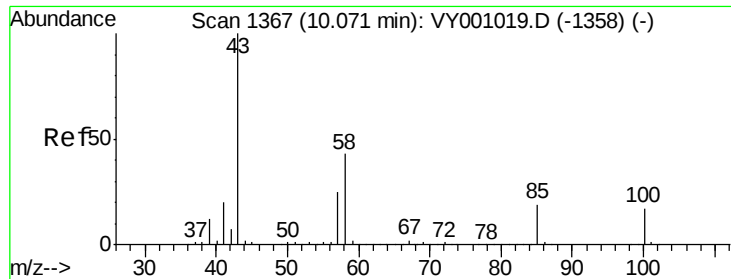
98 100

100 66.8 53.0 79.4



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

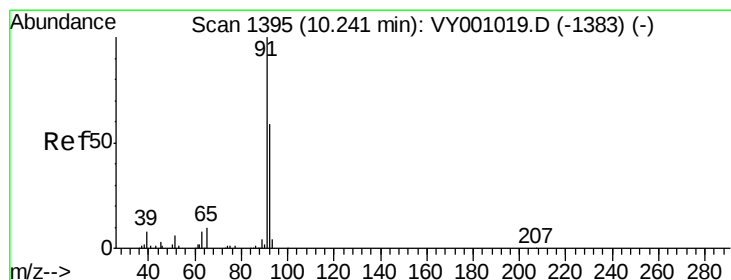
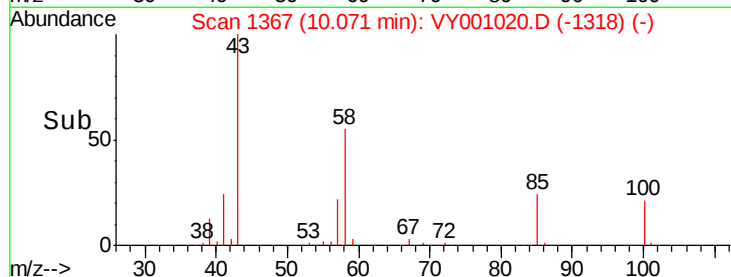
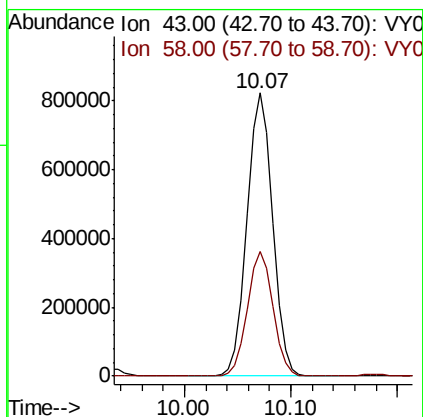
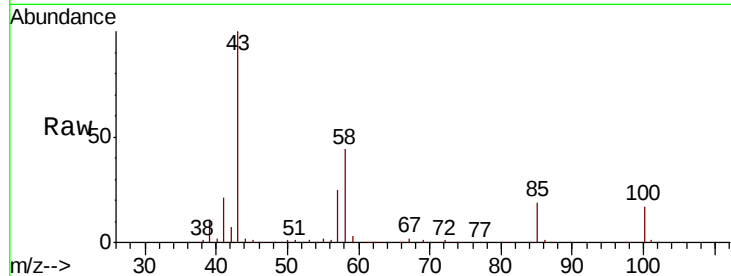




#51
4-Methyl-2-Pentanone
Concen: 477.839 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

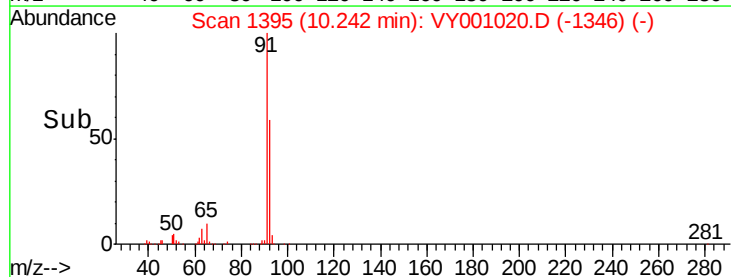
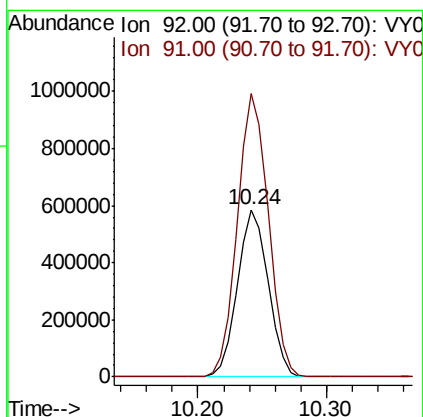
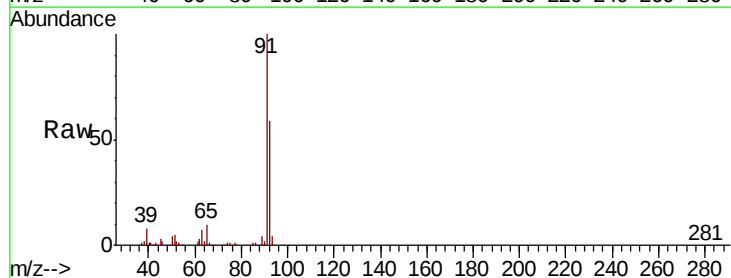
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

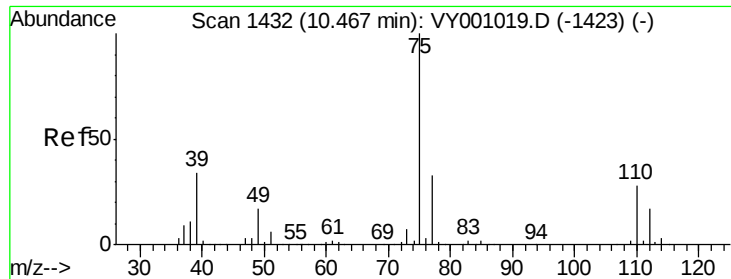
Tot Ion: 43 Resp: 1392178
Ion Ratio Lower Upper
43 100
58 44.0 34.6 52.0



#52
Toluene
Concen: 95.594 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion: 92 Resp: 966527
Ion Ratio Lower Upper
92 100
91 170.9 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 102.396 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

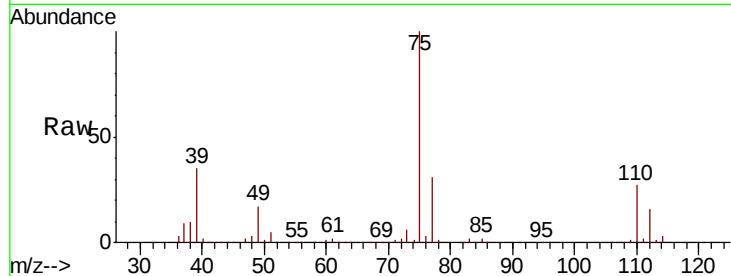
VSTDIC100

Tot Ion: 75 Resp: 533380

Ion Ratio Lower Upper

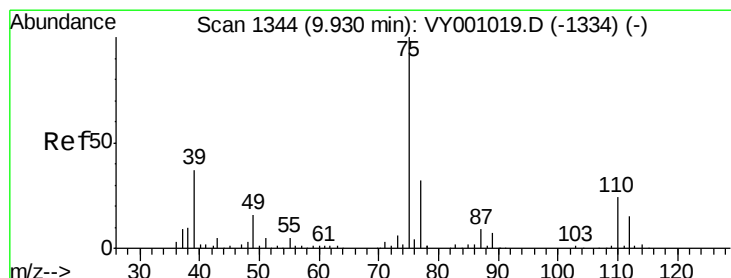
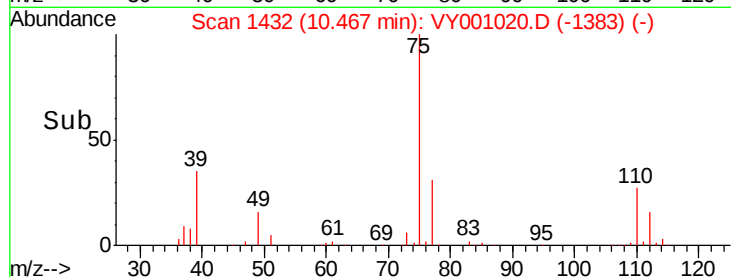
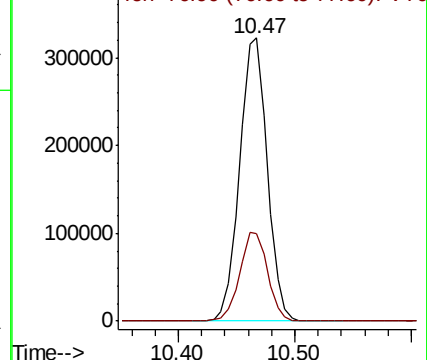
75 100

77 31.0 26.5 39.7



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 98.869 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

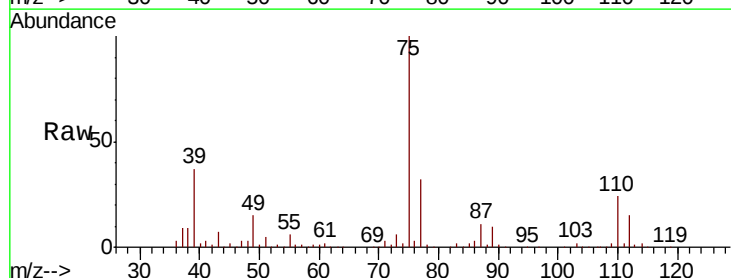
Tgt Ion: 75 Resp: 627325

Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8

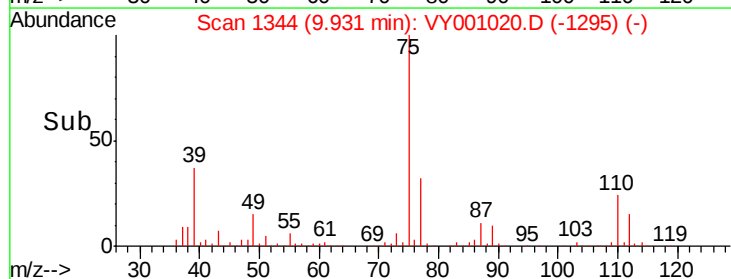
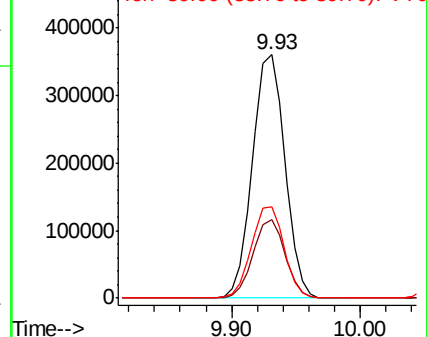
39 37.4 29.5 44.3

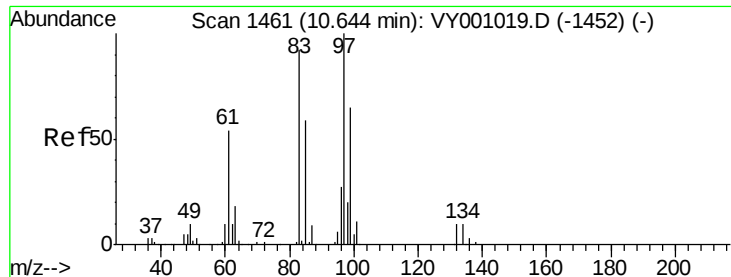


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





#55

1,1,2-Trichloroethane

Concen: 97.875 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC100

Tot Ion: 97 Resp: 307844

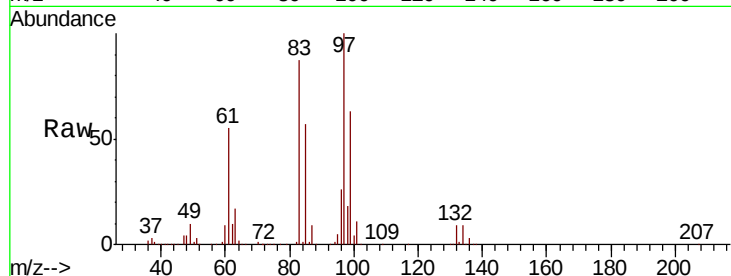
Ion Ratio Lower Upper

97 100

83 86.7 73.7 110.5

85 56.6 47.3 70.9

99 63.0 51.9 77.9

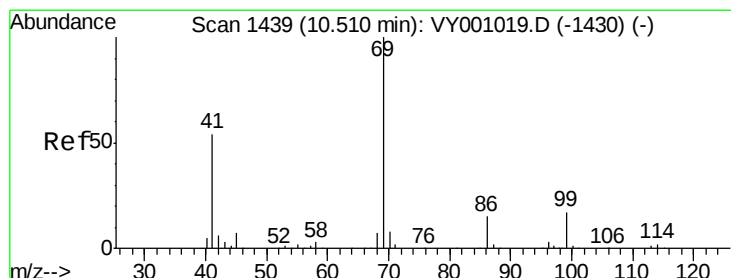
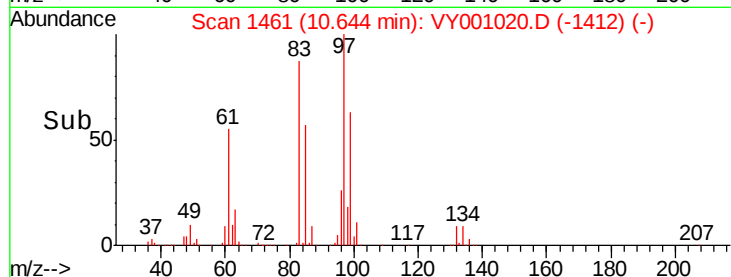
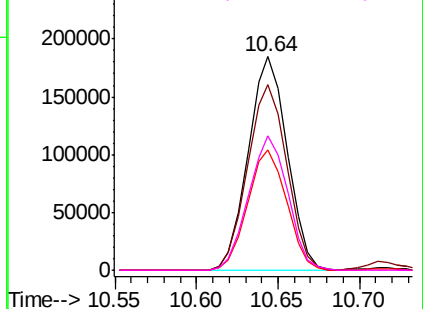


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 104.735 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

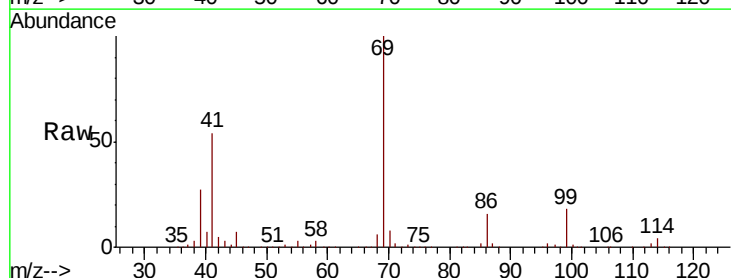
Tgt Ion: 69 Resp: 459432

Ion Ratio Lower Upper

69 100

41 55.2 44.7 67.1

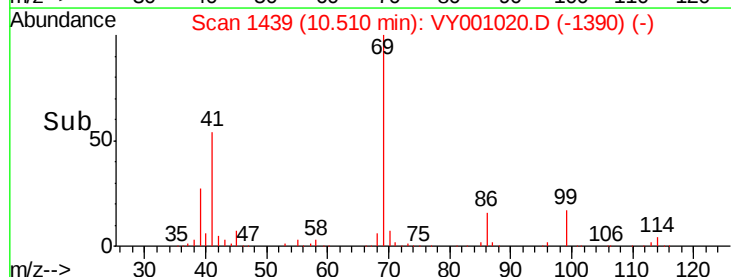
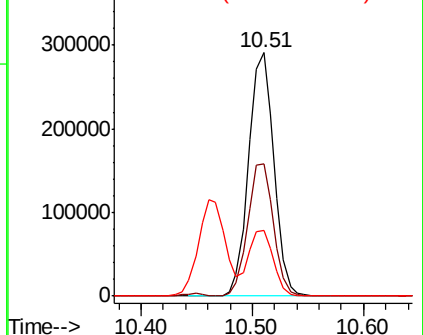
39 27.1 22.2 33.4

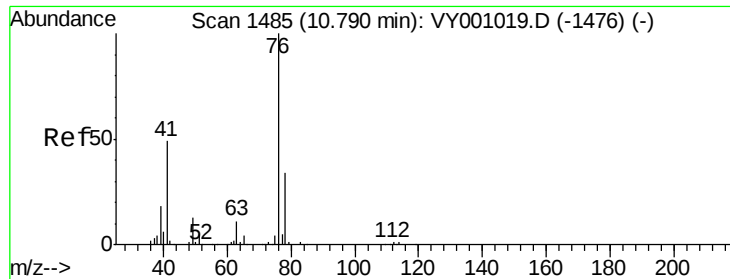


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 97.325 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

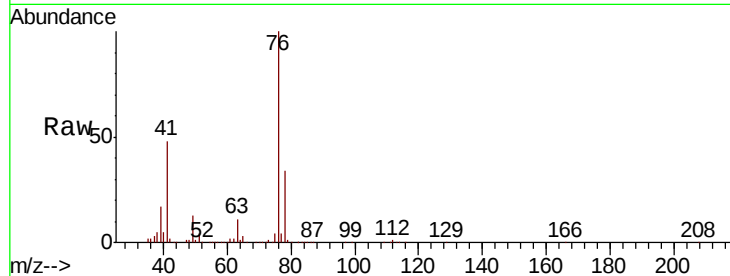
VSTDIC100

Tot Ion: 76 Resp: 537413

Ion Ratio Lower Upper

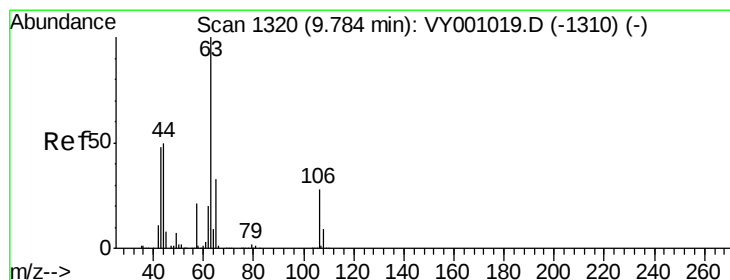
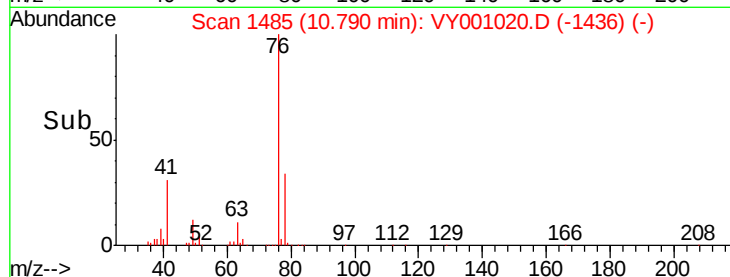
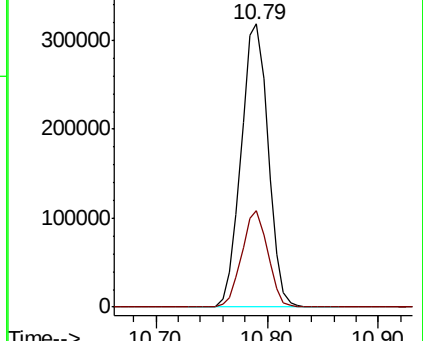
76 100

78 32.9 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 477.300 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY001020.D

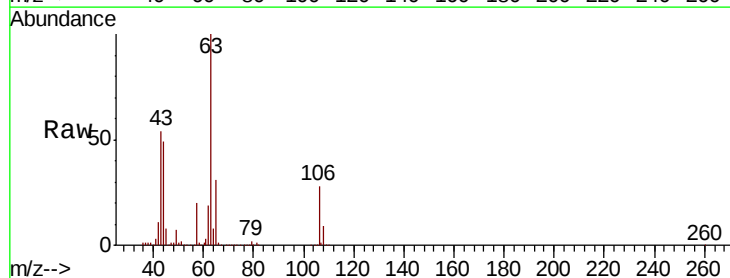
Acq: 23 Dec 2019 11:27

Tgt Ion: 63 Resp: 836474

Ion Ratio Lower Upper

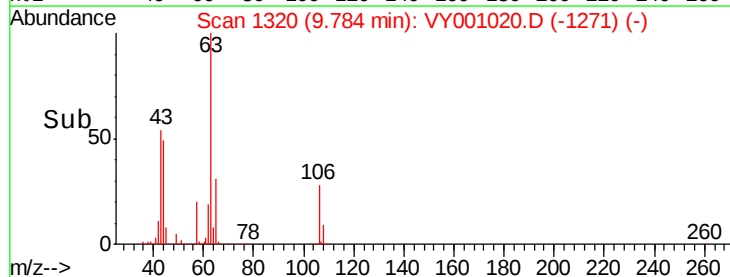
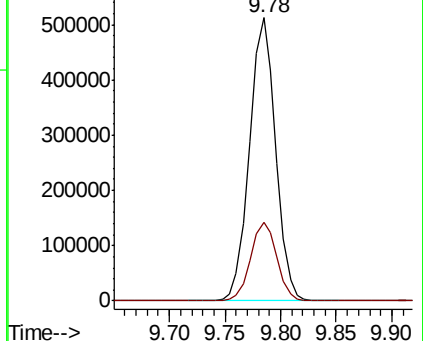
63 100

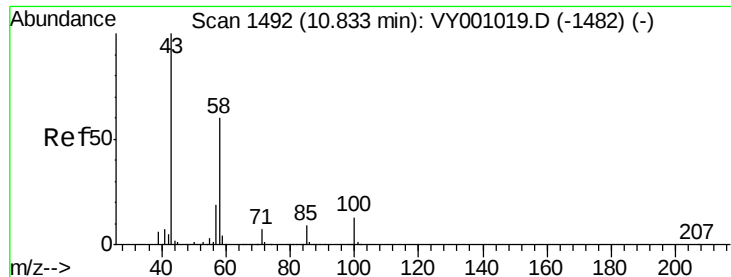
106 28.0 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

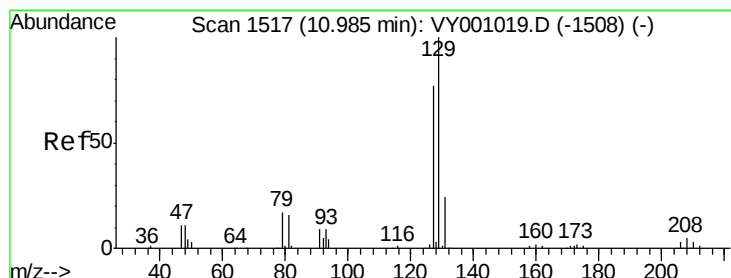
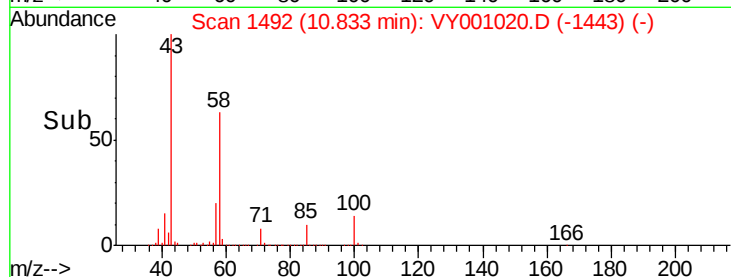
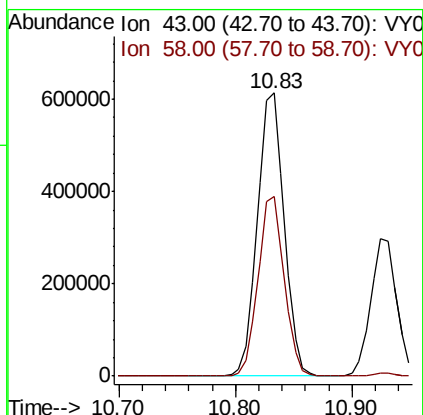
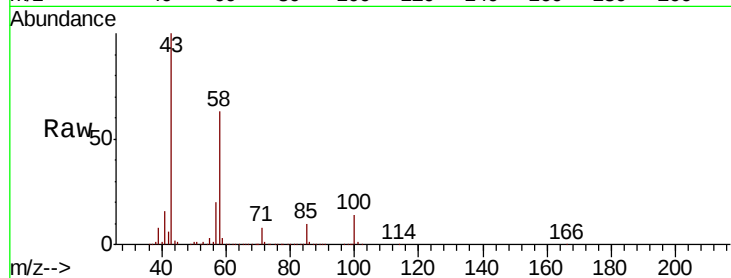




#59
2-Hexanone
Concen: 490.006 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

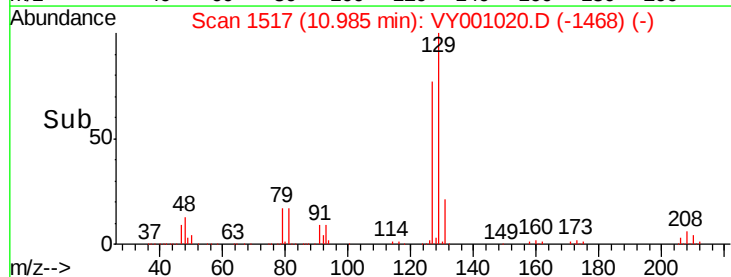
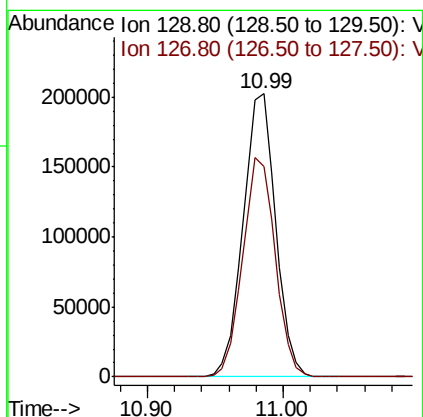
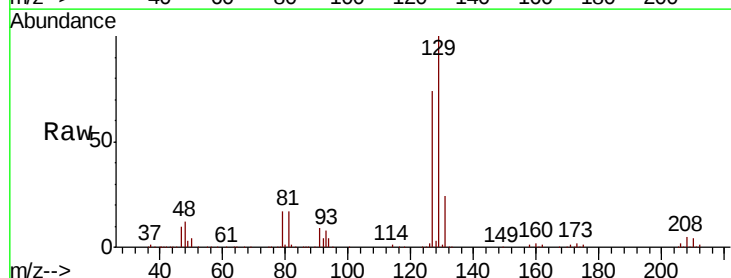
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

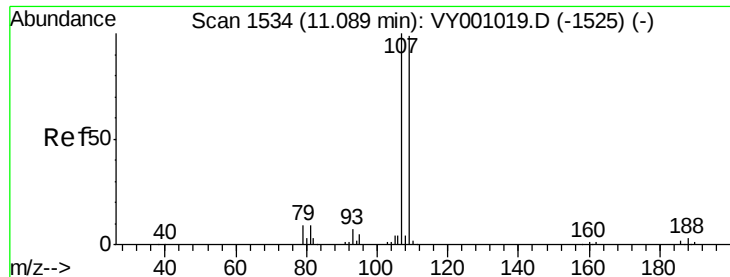
Tot Ion: 43 Resp: 980228
Ion Ratio Lower Upper
43 100
58 62.1 30.6 91.6



#60
Dibromochloromethane
Concen: 103.028 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion: 129 Resp: 339416
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 100.856 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

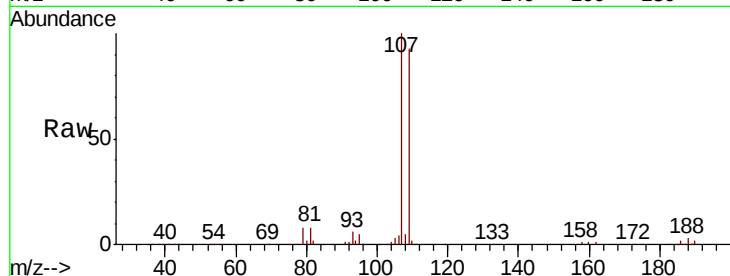
VSTDIC100

Tot Ion: 107 Resp: 299909

Ion Ratio Lower Upper

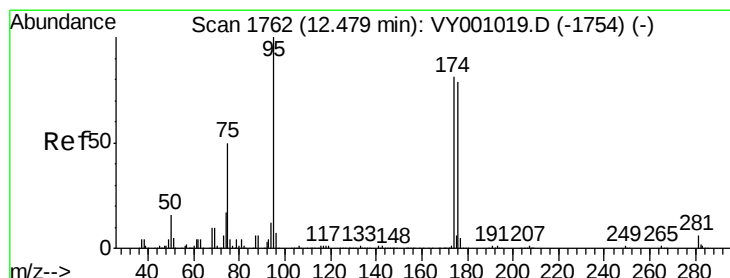
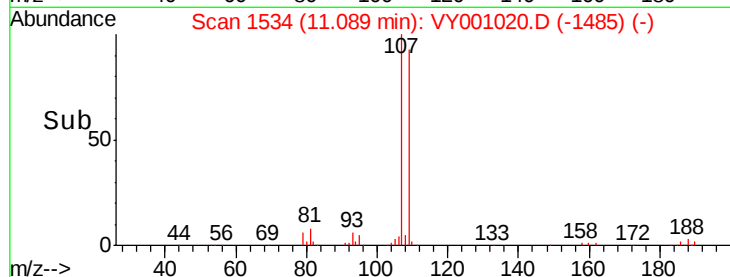
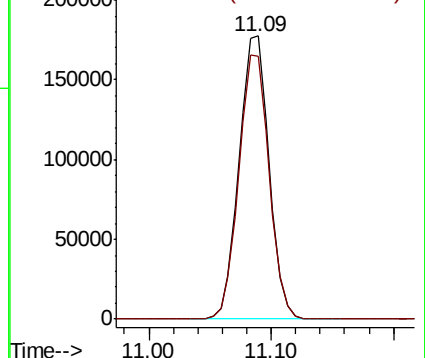
107 100

109 94.5 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 93.126 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

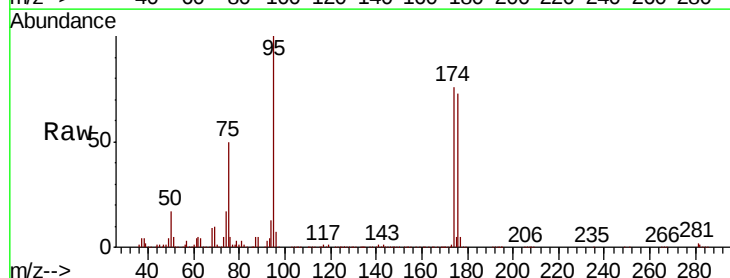
Tgt Ion: 95 Resp: 451978

Ion Ratio Lower Upper

95 100

174 78.4 0.0 156.4

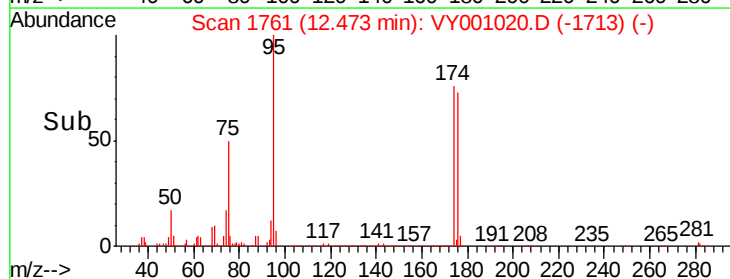
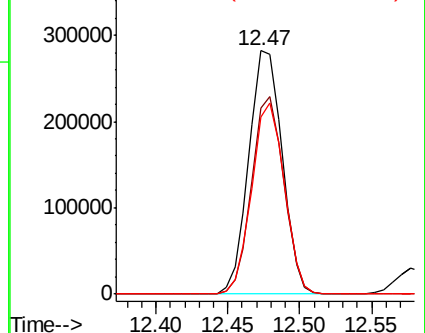
176 76.7 0.0 155.0

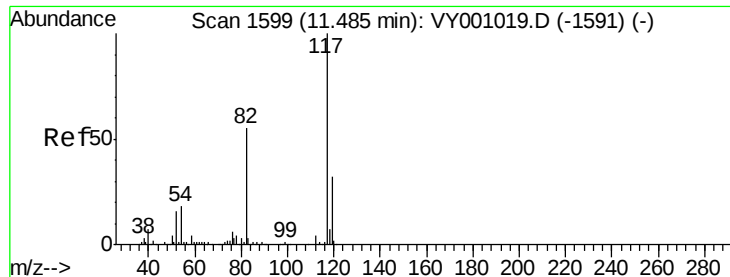


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

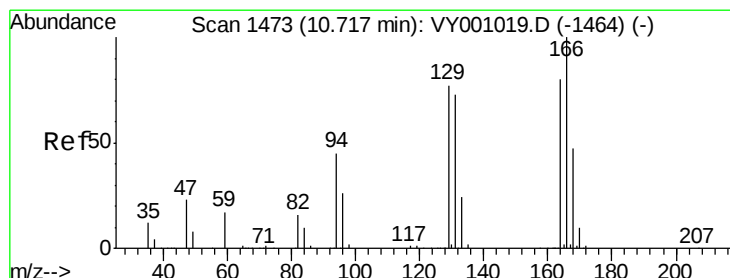
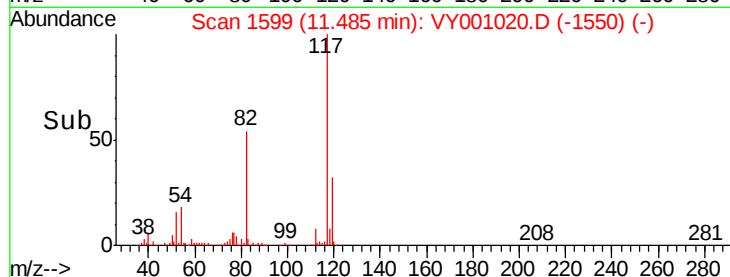
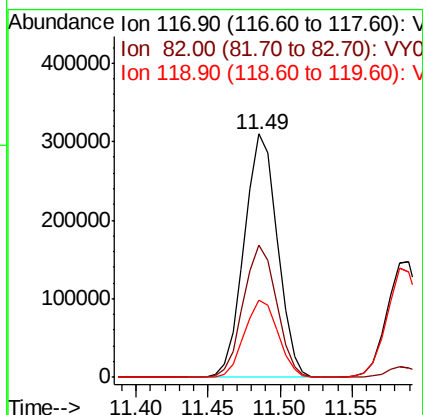
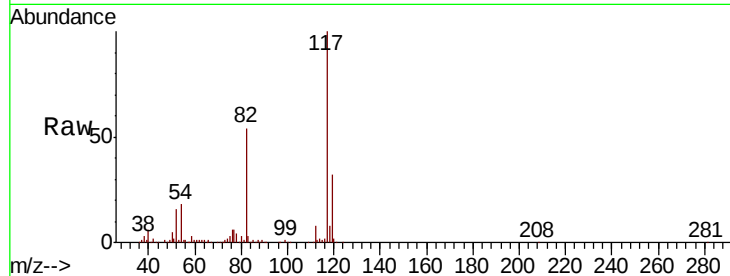




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

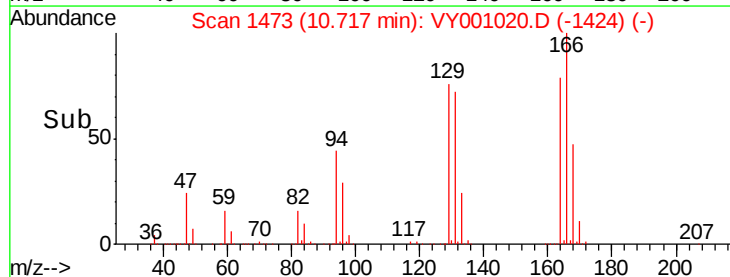
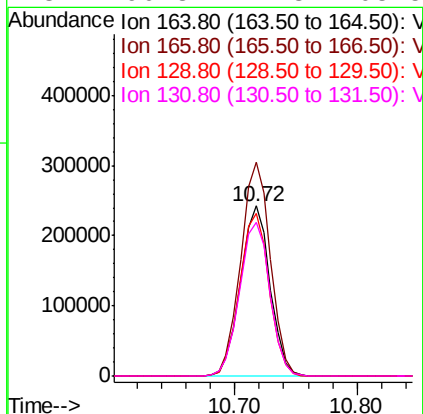
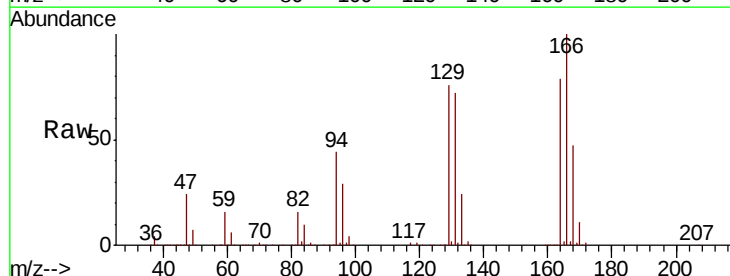
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

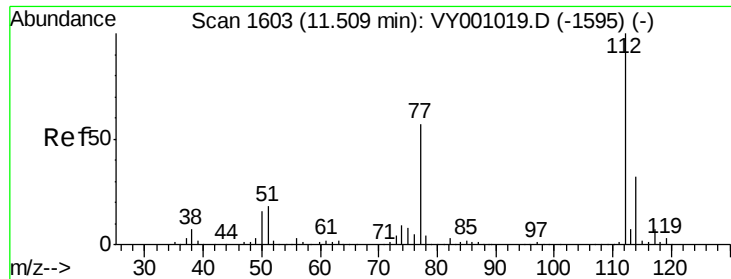
Tot Ion:117 Resp: 494380
Ion Ratio Lower Upper
117 100
82 54.1 43.8 65.8
119 31.7 25.8 38.6



#64
Tetrachloroethene
Concen: 90.051 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion:164 Resp: 404869
Ion Ratio Lower Upper
164 100
166 125.9 99.7 149.5
129 95.7 76.9 115.3
131 90.3 72.3 108.5

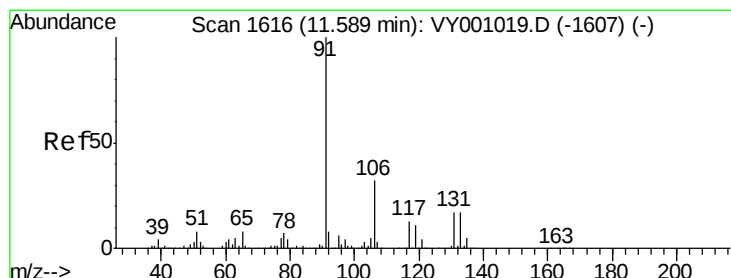
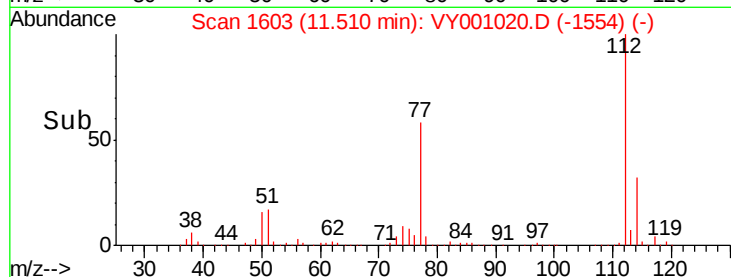
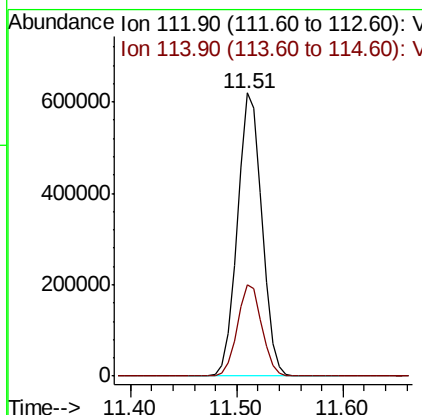
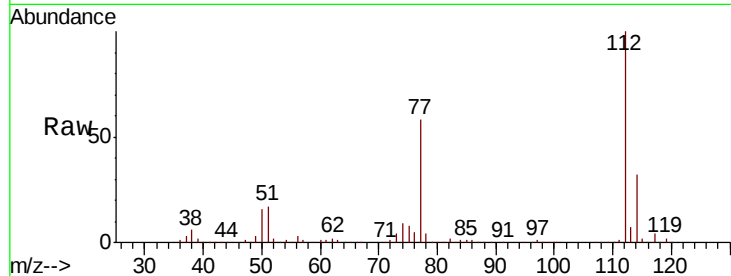




#65
Chlorobenzene
Concen: 94.336 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

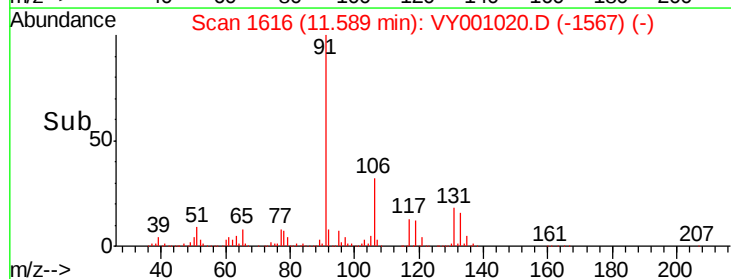
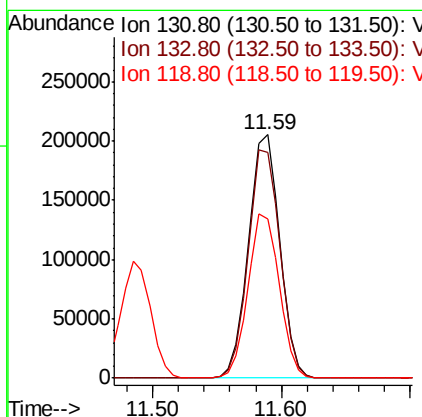
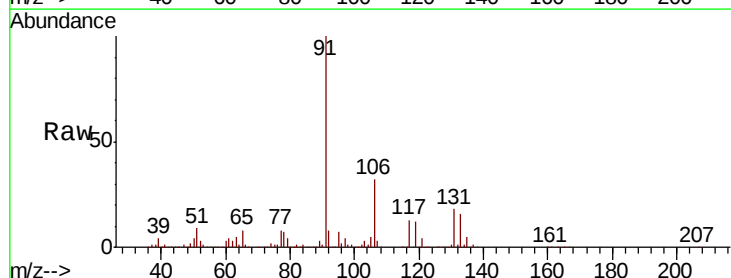
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

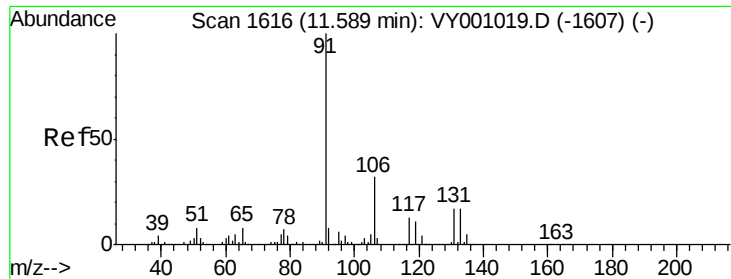
Tot Ion:112 Resp: 998683
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 99.551 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion:131 Resp: 342810
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 67.8 34.0 101.8

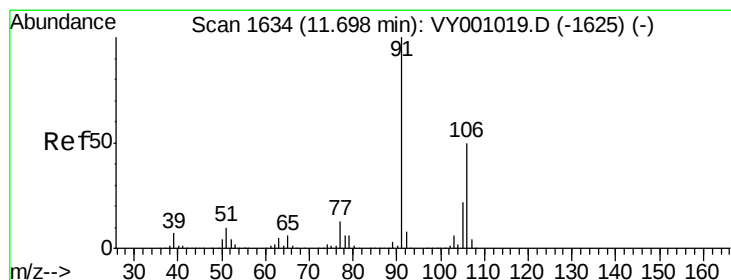
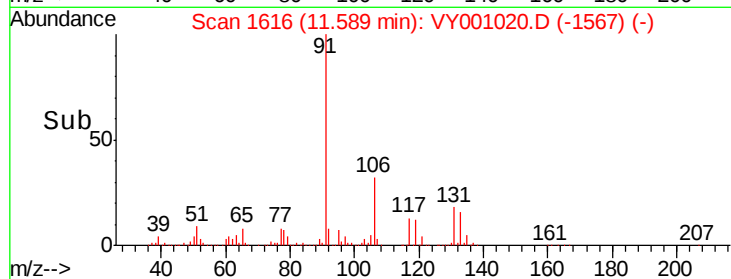
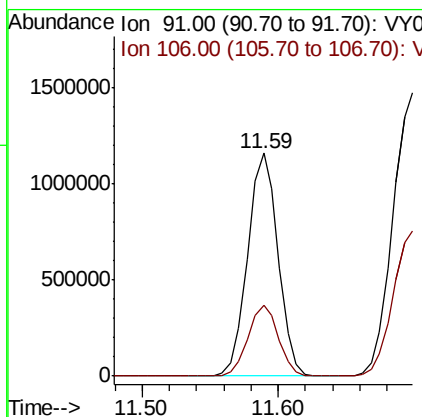
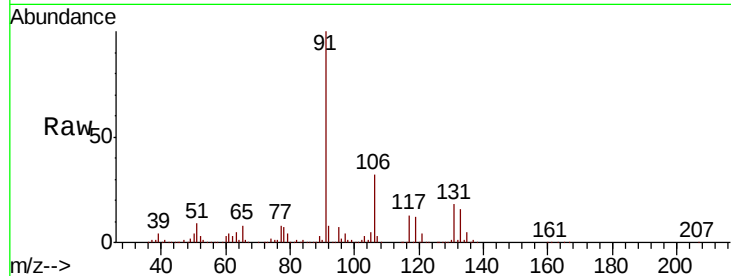




#67
Ethyl Benzene
Concen: 95.308 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

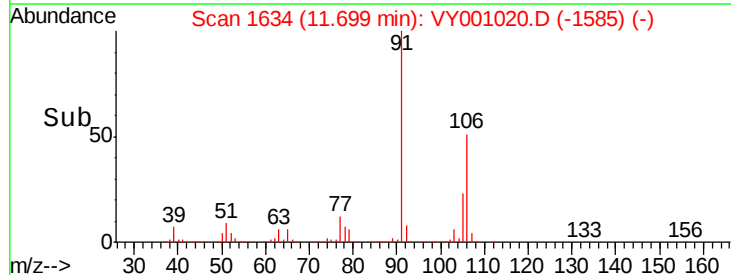
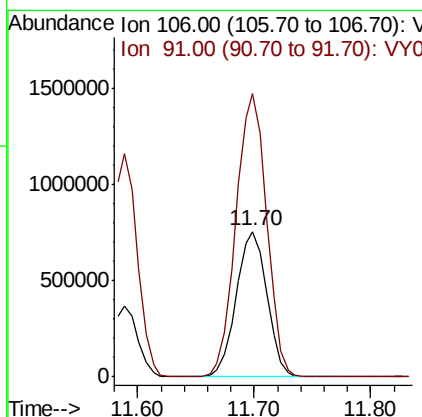
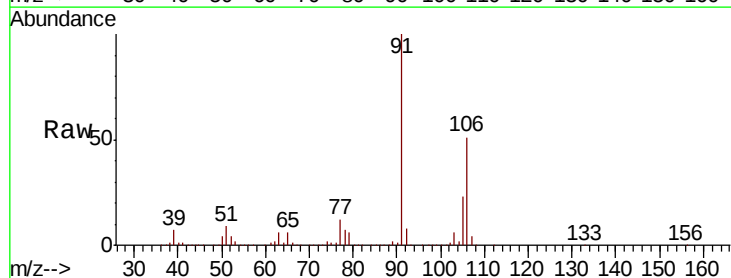
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

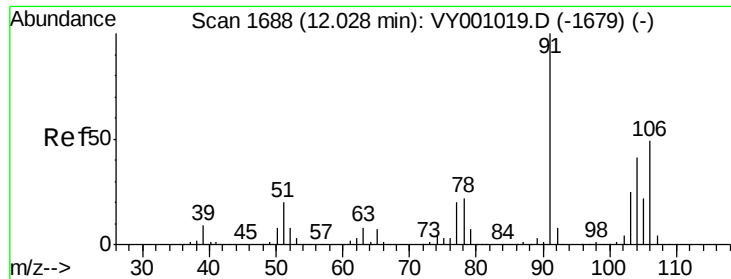
Tot Ion: 91 Resp: 1811912
Ion Ratio Lower Upper
91 100
106 32.1 25.3 37.9



#68
m/p-Xylenes
Concen: 192.078 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion: 106 Resp: 1385039
Ion Ratio Lower Upper
106 100
91 195.0 156.4 234.6

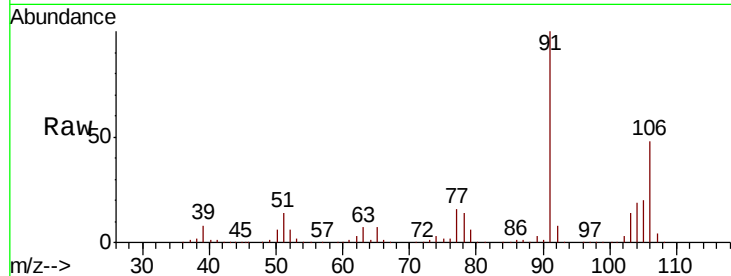




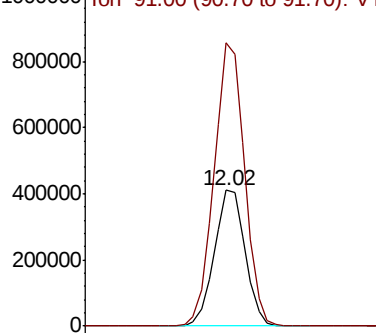
#69
o-Xylene
Concen: 95.896 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

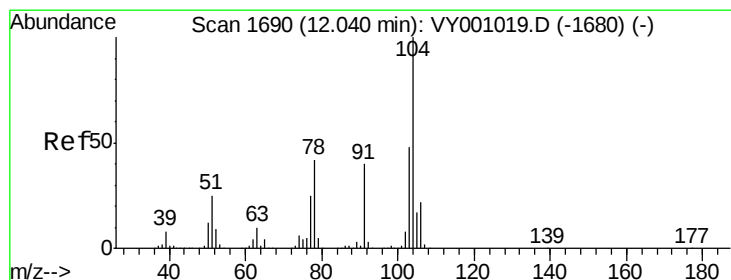
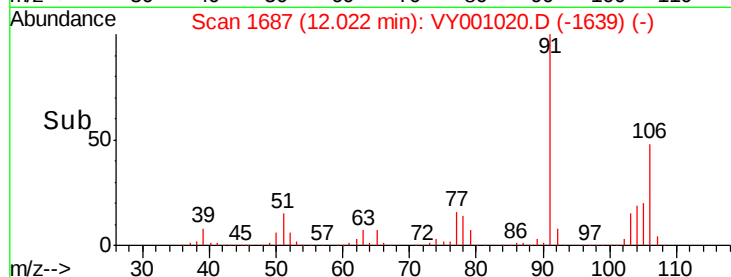
Tot Ion:106 Resp: 651180
Ion Ratio Lower Upper
106 100
91 206.2 103.0 309.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

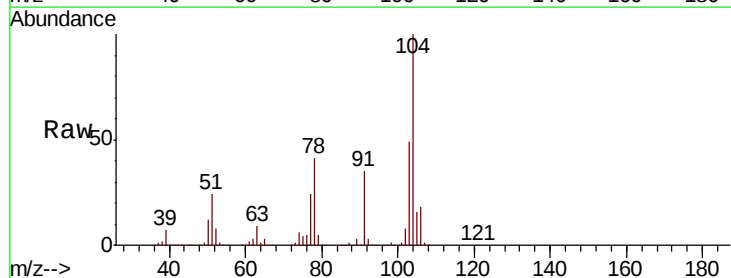


Time-->

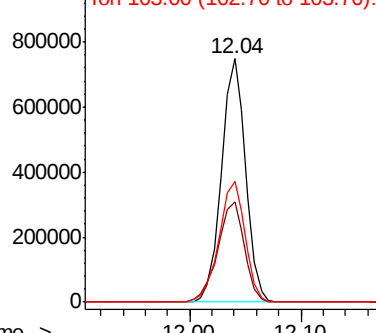


#70
Styrene
Concen: 98.281 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

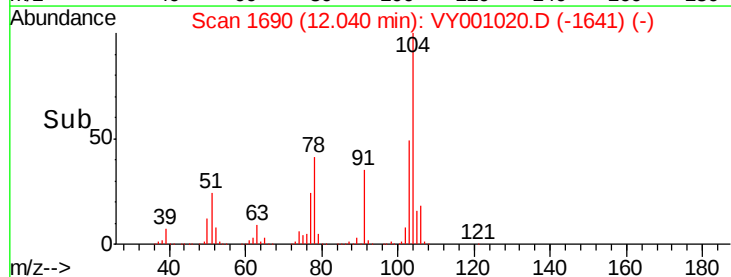
Tgt Ion:104 Resp: 1124725
Ion Ratio Lower Upper
104 100
78 45.6 36.6 54.8
103 53.9 42.6 64.0

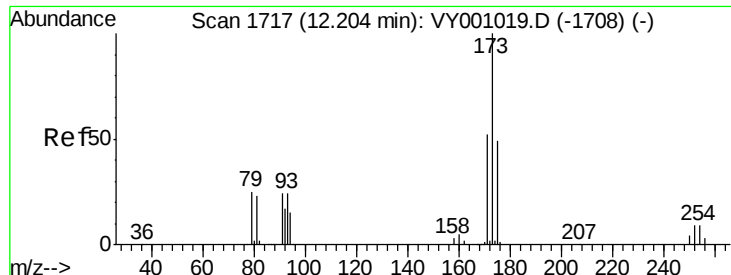


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 109.382 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

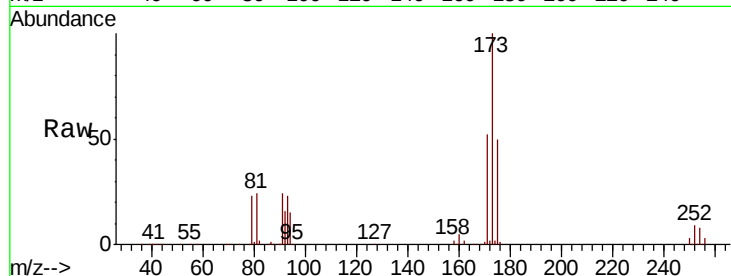
Tot Ion:173 Resp: 203041

Ion Ratio Lower Upper

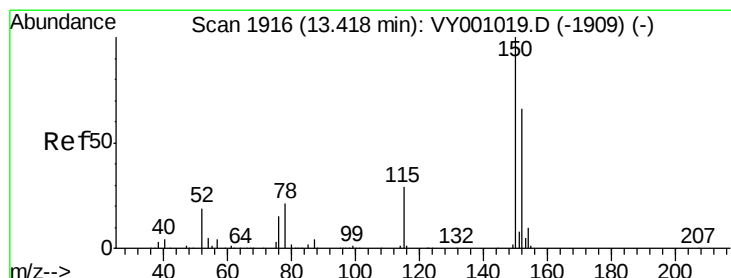
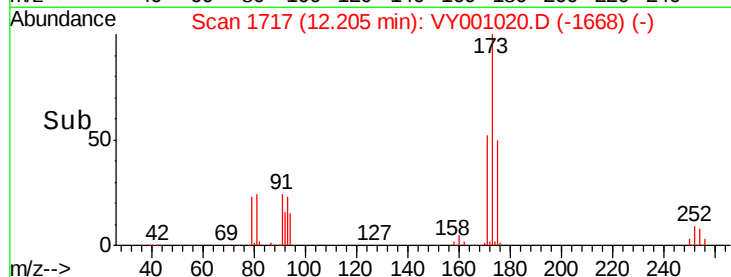
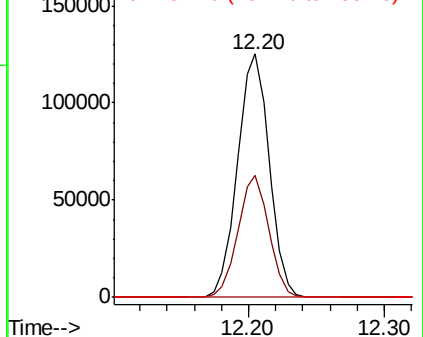
173 100

175 49.0 24.5 73.5

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

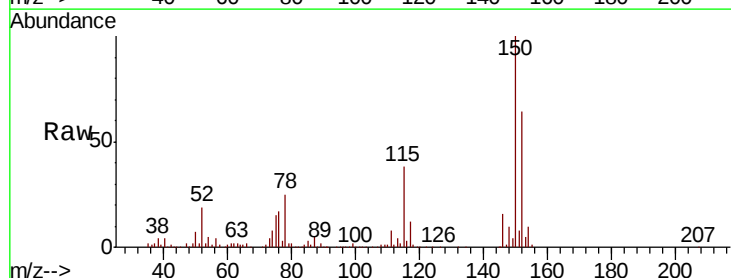
Tgt Ion:152 Resp: 226081

Ion Ratio Lower Upper

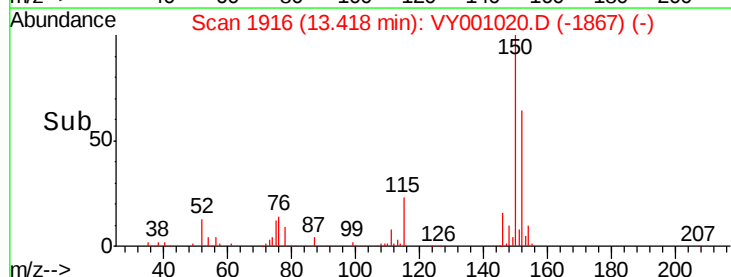
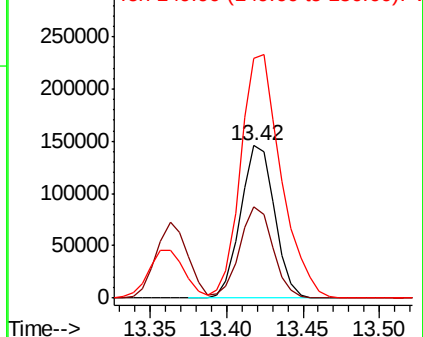
152 100

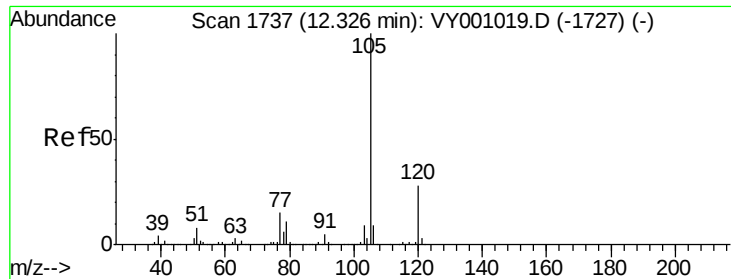
115 58.7 29.8 89.3

150 188.8 0.0 352.6



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: 94.728 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

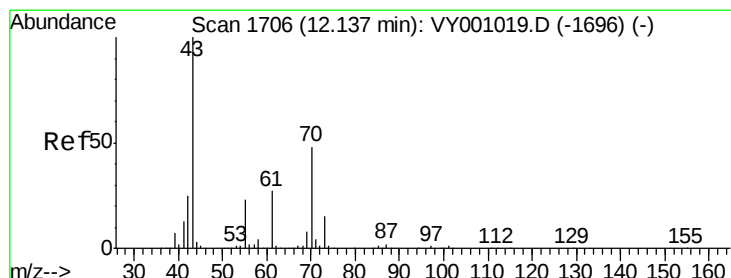
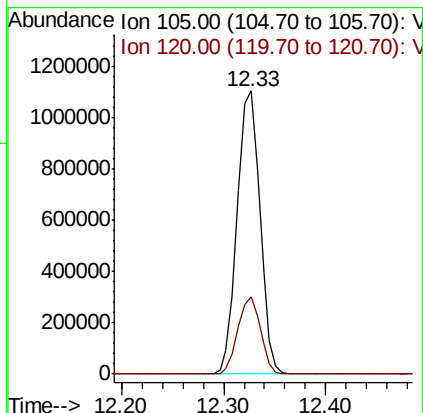
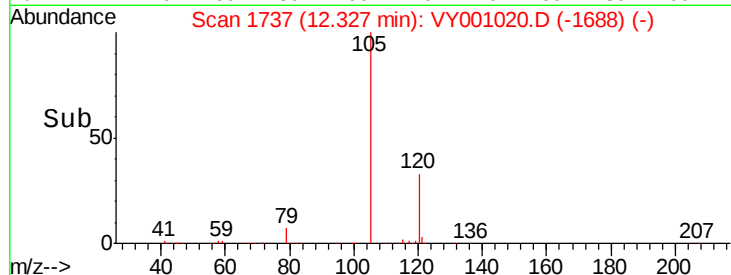
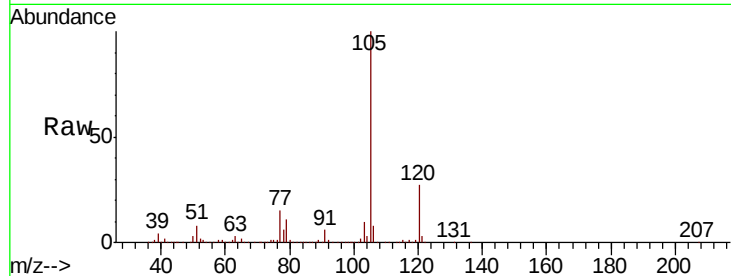
VSTDIC100

Tot Ion:105 Resp: 1701260

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 100.162 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Tgt Ion: 43 Resp: 466655

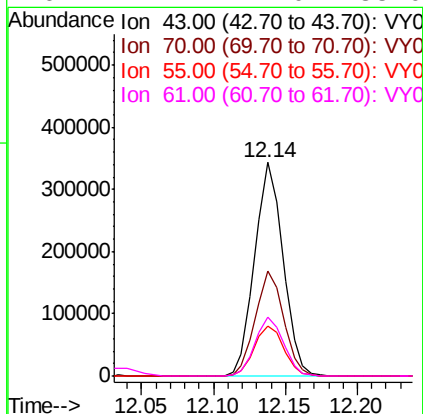
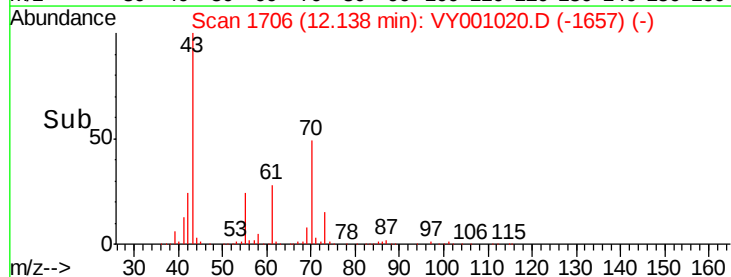
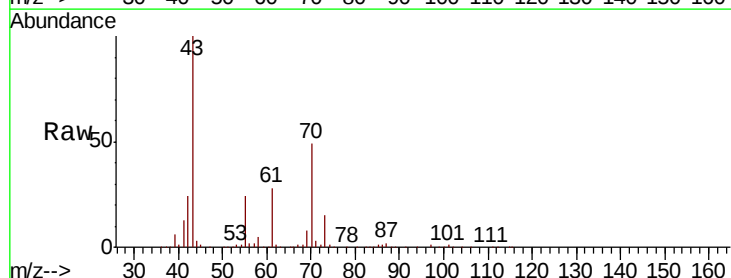
Ion Ratio Lower Upper

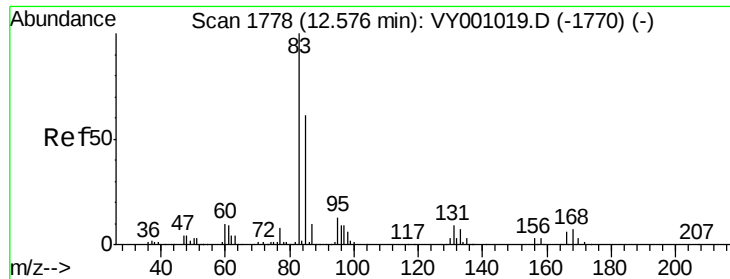
43 100

70 49.1 39.0 58.6

55 24.6 19.5 29.3

61 27.7 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 100.562 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

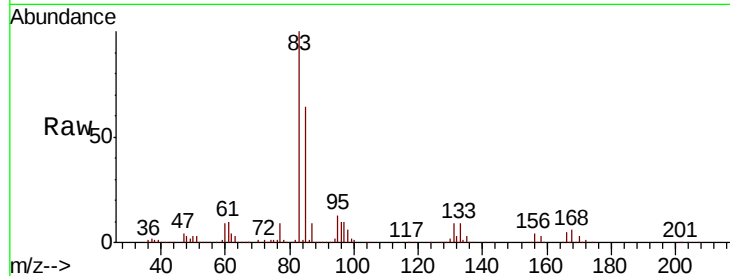
Tot Ion: 83 Resp: 349764

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

85 64.4 32.1 96.5

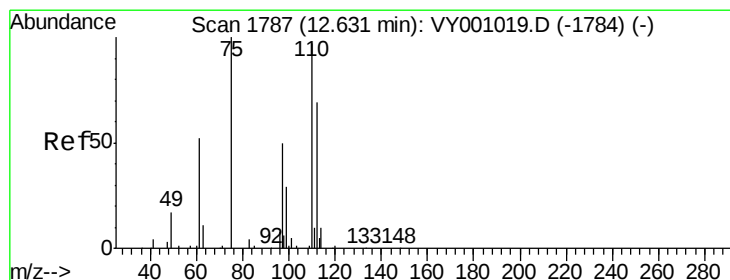
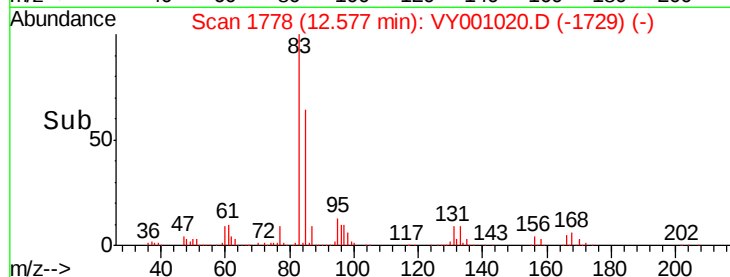


Abundance Ion 82.90 (82.60 to 83.60): VY001019.D (-1770) (-)

Ion 130.80 (130.50 to 131.50): VY001019.D (-1770) (-)

Ion 84.90 (84.60 to 85.60): VY001019.D (-1770) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 161.432 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001020.D

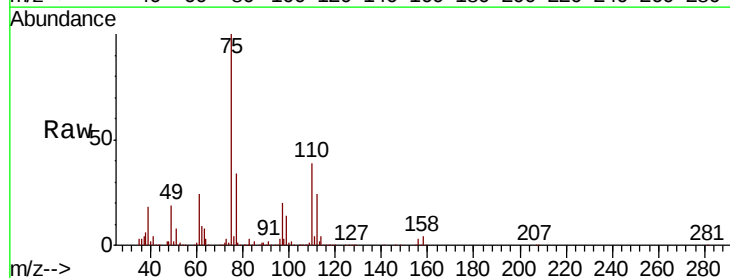
Acq: 23 Dec 2019 11:27

Tgt Ion: 75 Resp: 478522

Ion Ratio Lower Upper

75 100

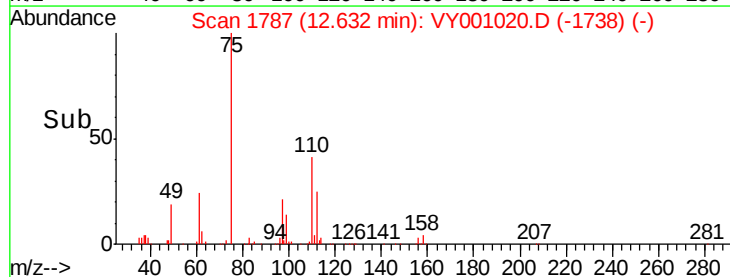
77 0.0 0.0 0.0

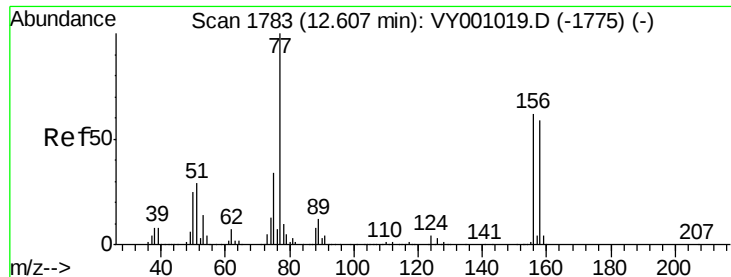


Abundance Ion 74.90 (74.60 to 75.60): VY001019.D (-1784) (-)

Ion 77.00 (76.70 to 77.70): VY001019.D (-1784) (-)

Time-->





#77

Bromobenzene

Concen: 95.782 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

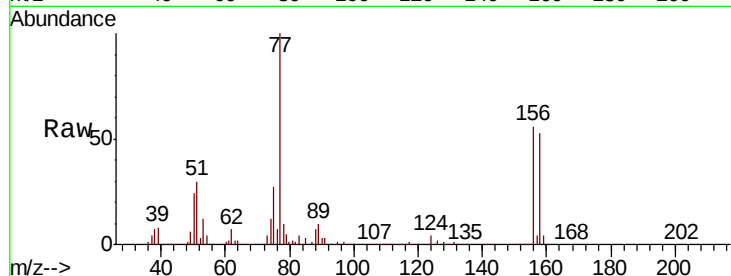
Tot Ion:156 Resp: 387071

Ion Ratio Lower Upper

156 100

77 196.8 98.0 294.1

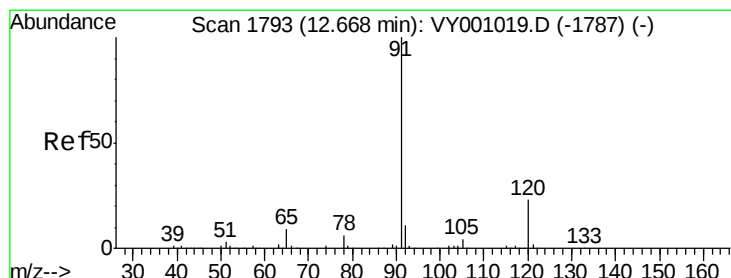
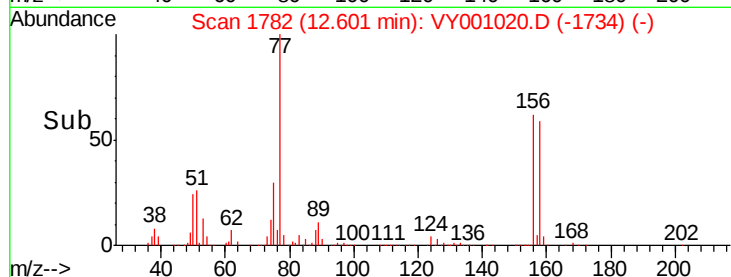
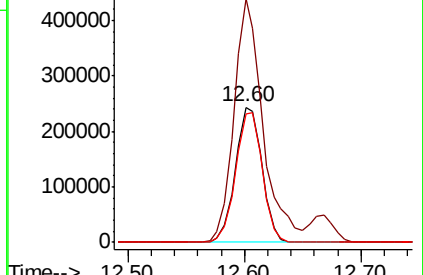
158 96.1 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 94.757 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001020.D

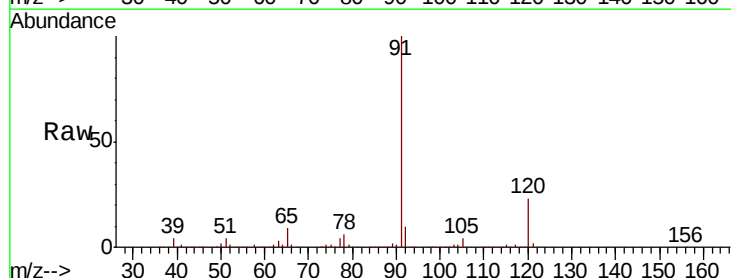
Acq: 23 Dec 2019 11:27

Tgt Ion: 91 Resp: 2073964

Ion Ratio Lower Upper

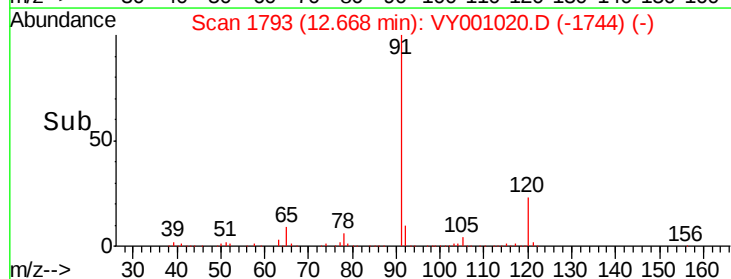
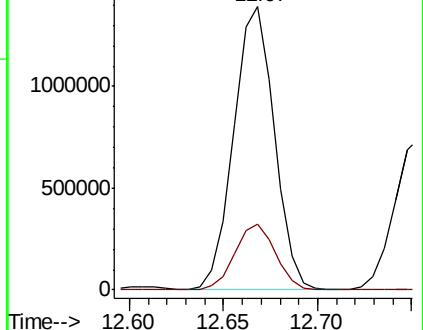
91 100

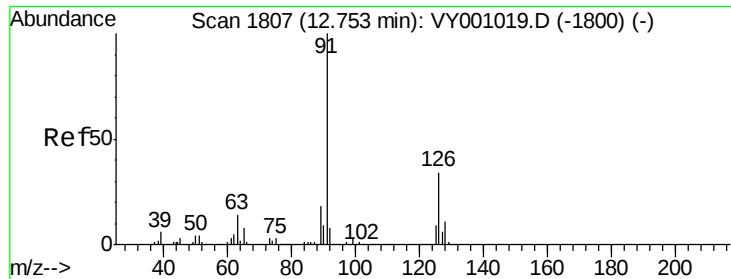
120 23.2 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

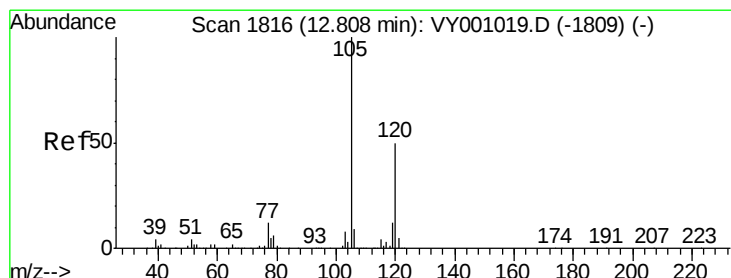
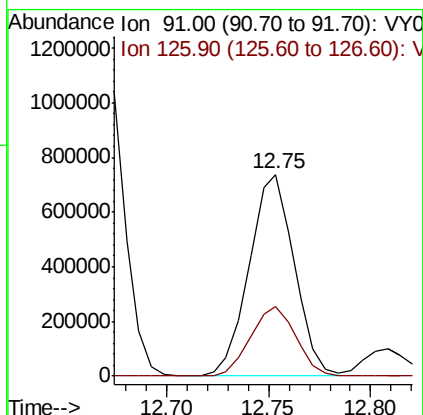
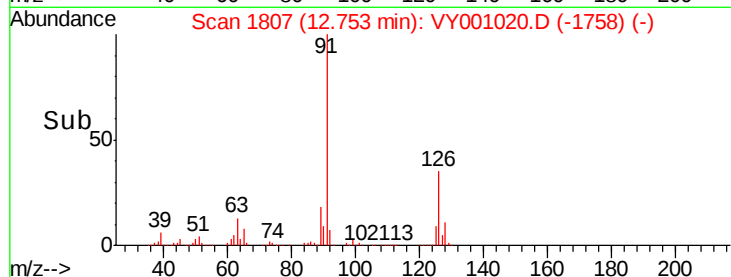
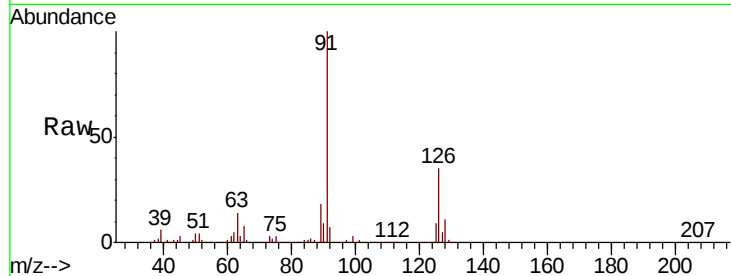




#79
 2-Chlorotoluene
 Concen: 93.403 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

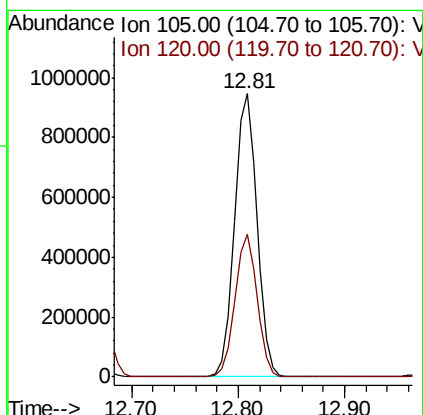
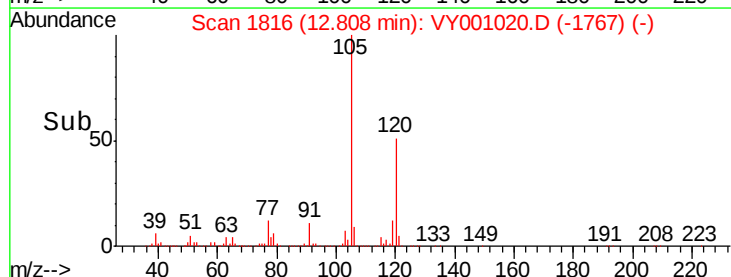
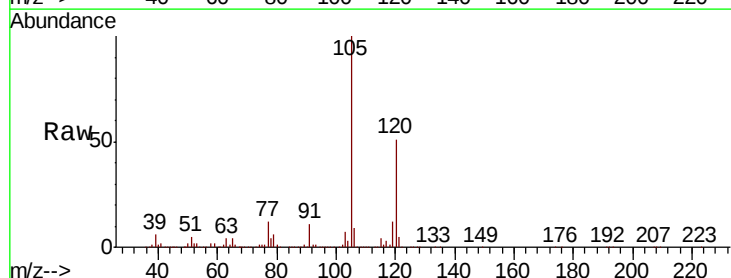
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

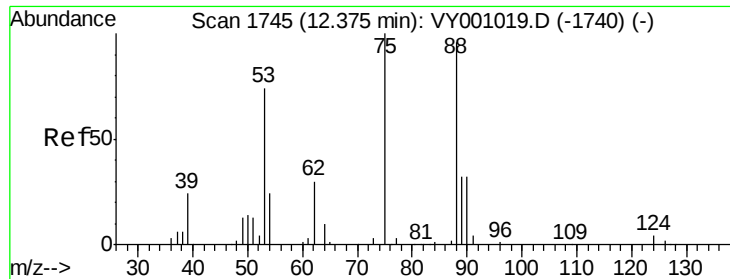
Tot Ion: 91 Resp: 1136162
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 51.7



#80
 1,3,5-Trimethylbenzene
 Concen: 94.928 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

Tgt Ion: 105 Resp: 1399291
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 107.886 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

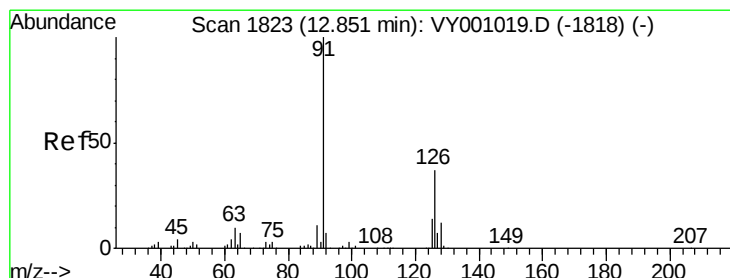
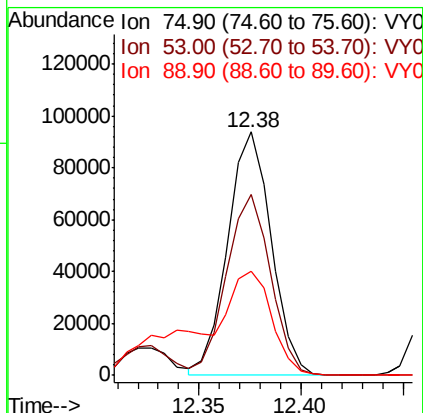
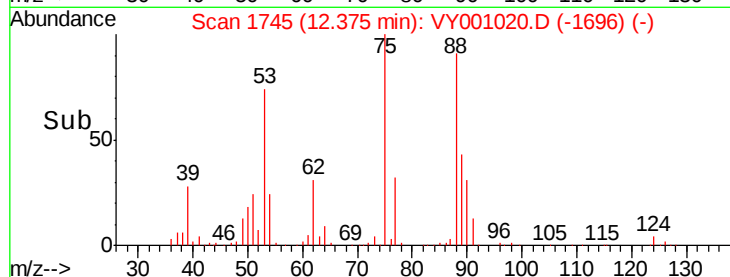
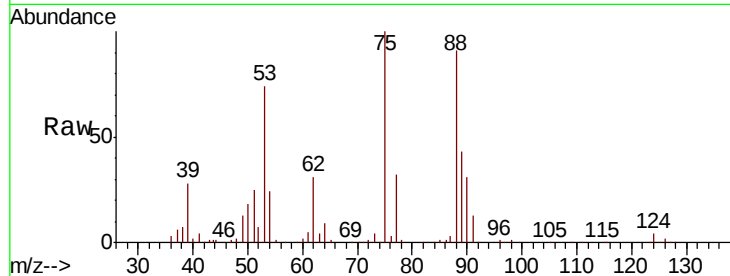
Tot Ion: 75 Resp: 138404

Ion Ratio Lower Upper

75 100

53 75.9 60.6 91.0

89 42.5 35.4 53.0



#82

4-Chlorotoluene

Concen: 94.602 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY001020.D

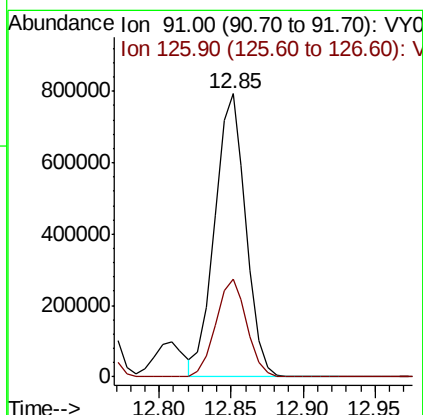
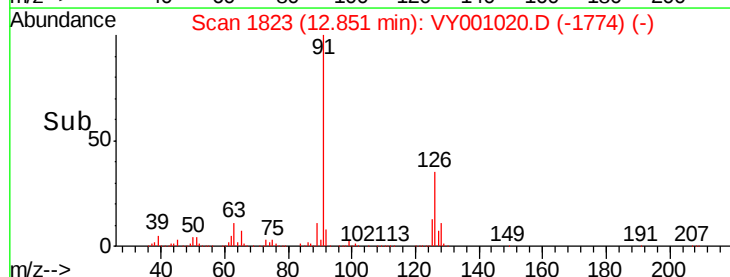
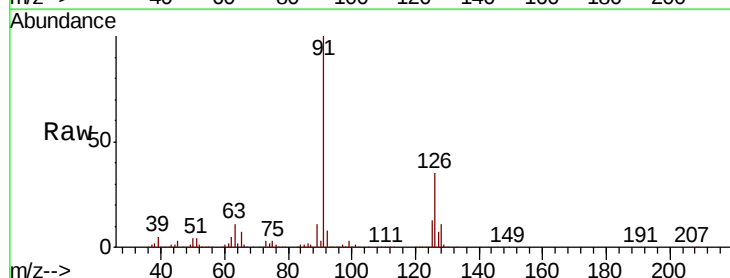
Acq: 23 Dec 2019 11:27

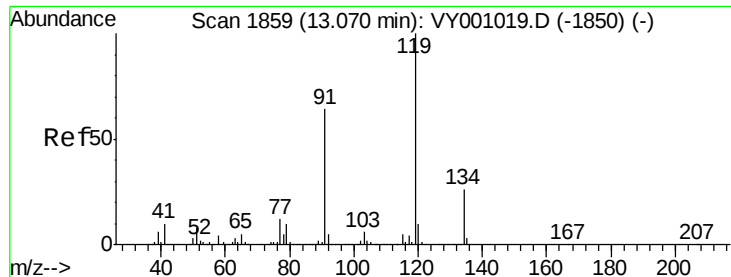
Tgt Ion: 91 Resp: 1190821

Ion Ratio Lower Upper

91 100

126 34.7 17.6 52.8

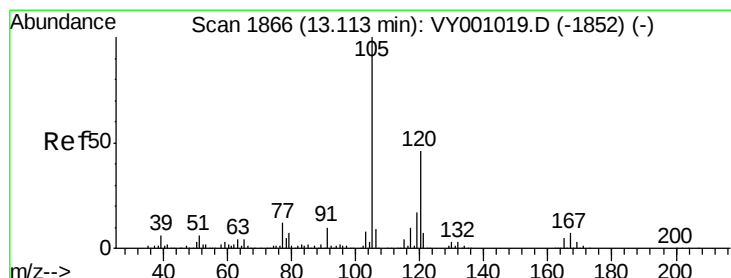
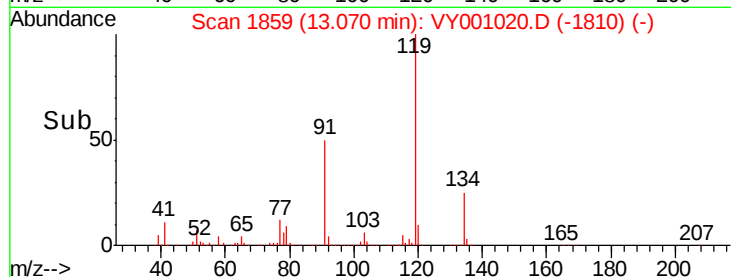
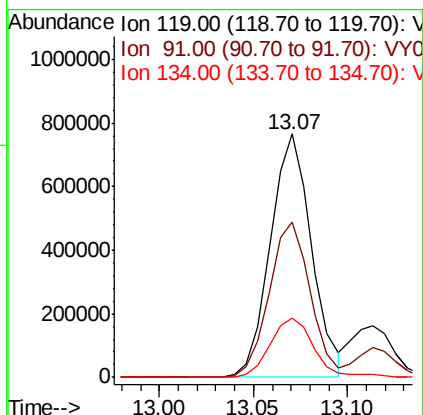
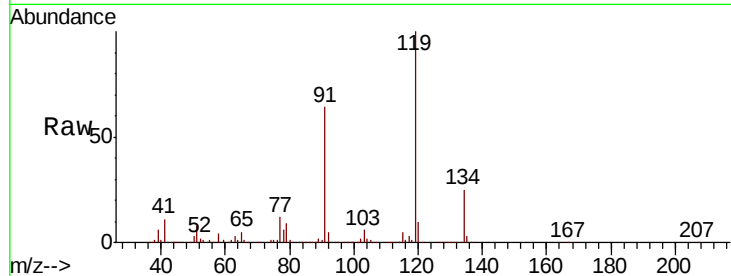




#83
tert-Butylbenzene
Concen: 93.434 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

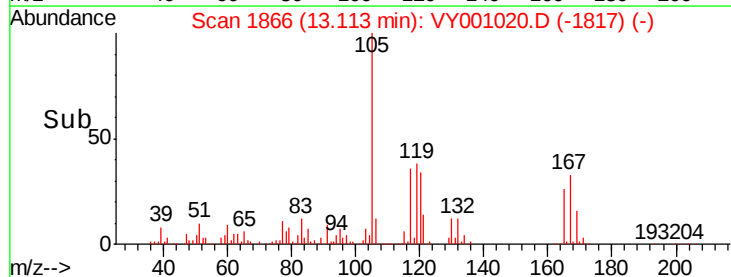
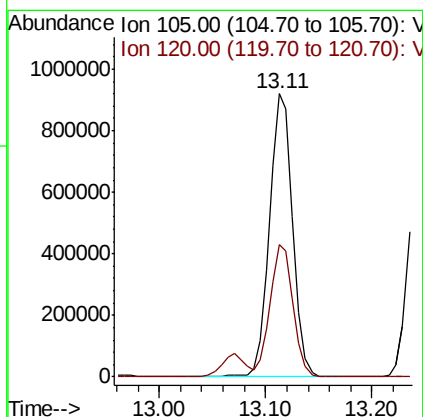
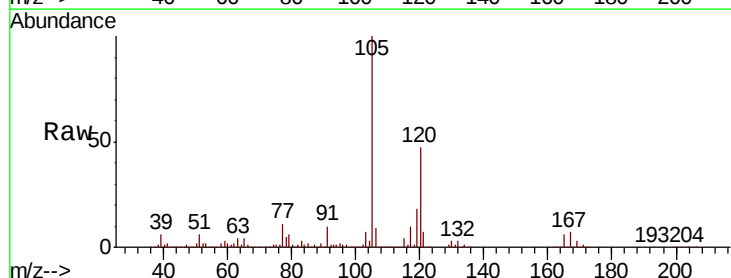
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

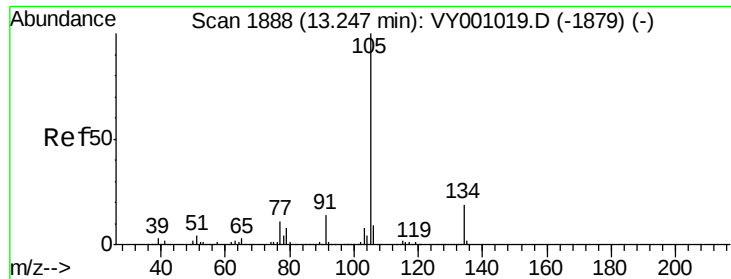
Tot Ion:119 Resp: 1159241
Ion Ratio Lower Upper
119 100
91 63.5 31.9 95.7
134 26.2 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 93.503 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion:105 Resp: 1392967
Ion Ratio Lower Upper
105 100
120 46.3 23.4 70.2

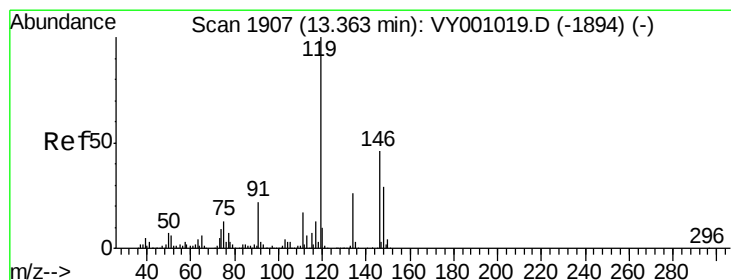
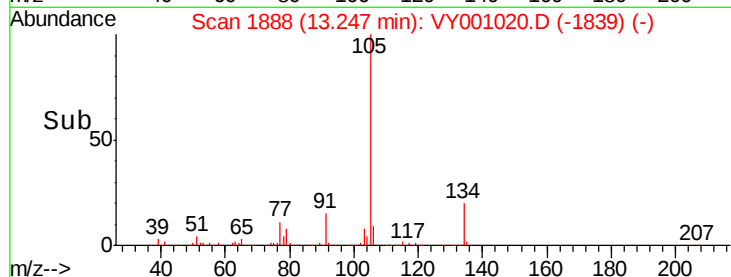
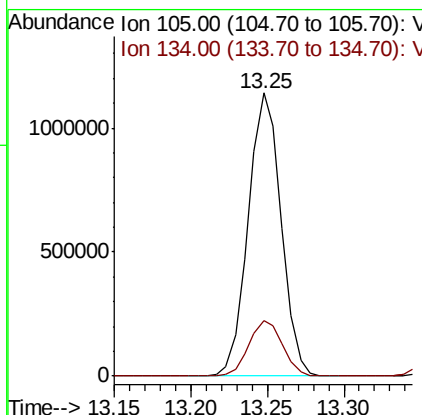
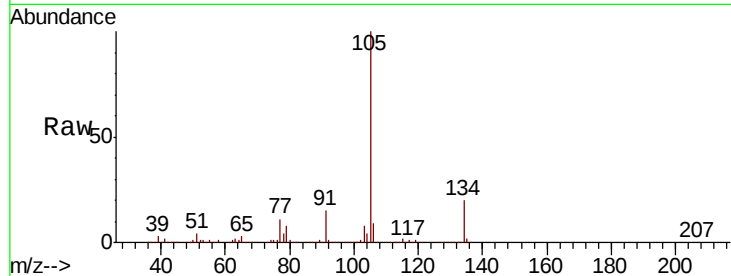




#85
 sec-Butylbenzene
 Concen: 92.707 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

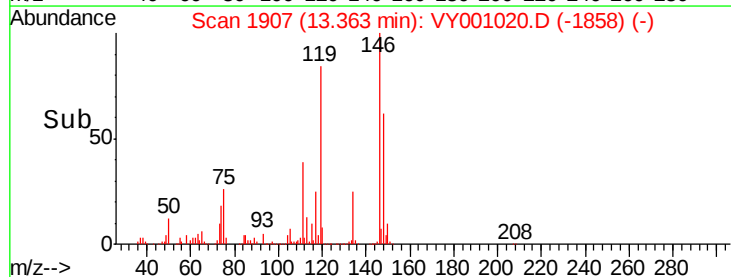
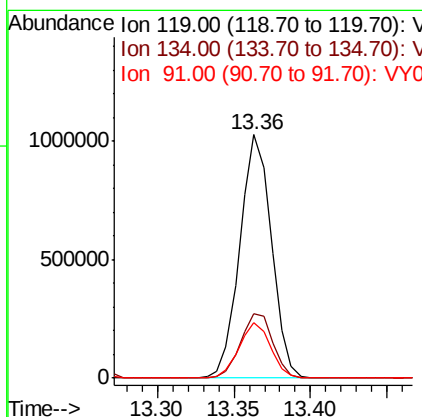
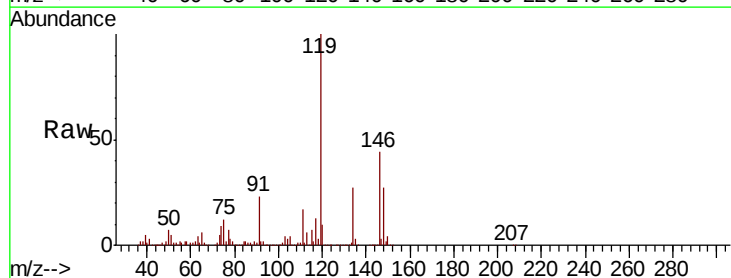
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

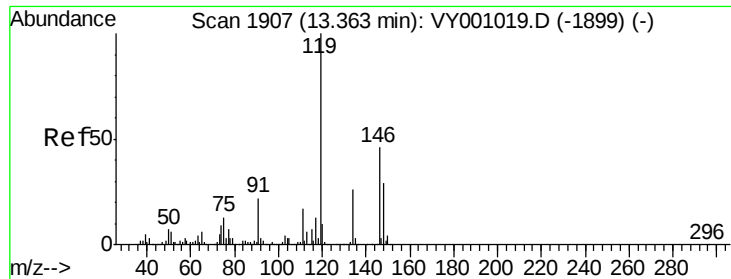
Tot Ion:105 Resp: 1700708
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 92.452 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

Tgt Ion:119 Resp: 1474263
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.7
 91 22.5 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 91.870 ug/l

RT: 13.36 min Scan# 1906

Delta R.T. -0.01 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

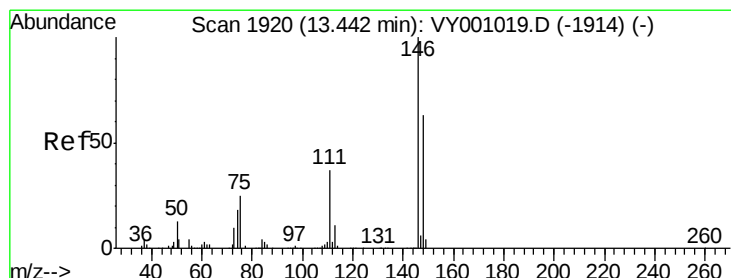
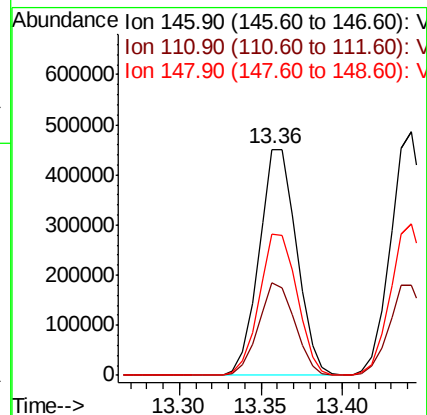
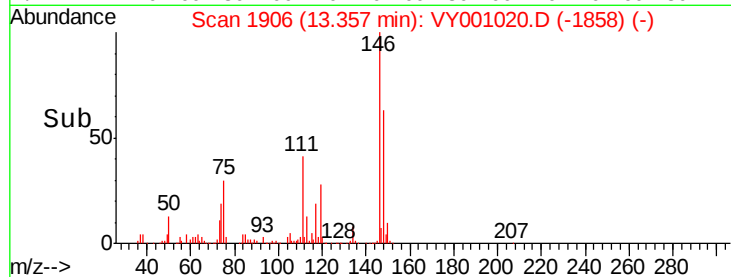
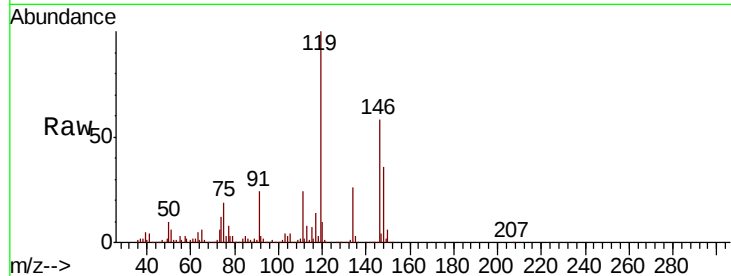
Tot Ion:146 Resp: 722780

Ion Ratio Lower Upper

146 100

111 39.4 19.7 59.0

148 63.2 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 93.307 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

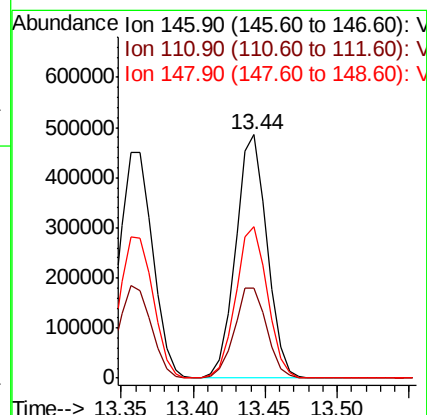
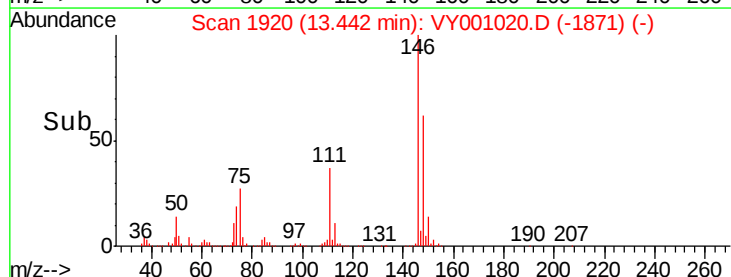
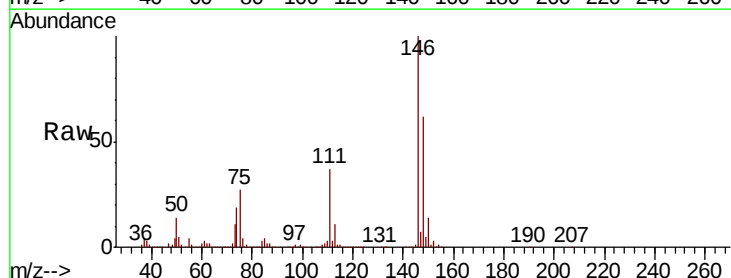
Tgt Ion:146 Resp: 737312

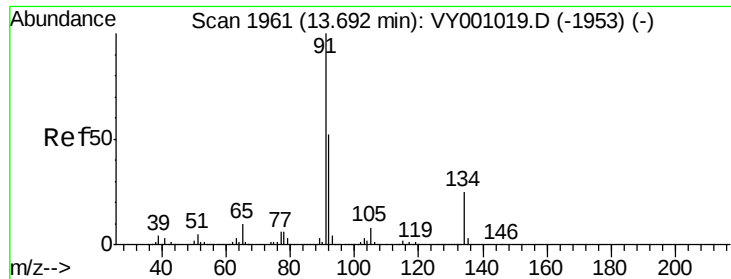
Ion Ratio Lower Upper

146 100

111 38.3 19.4 58.2

148 63.0 31.8 95.3

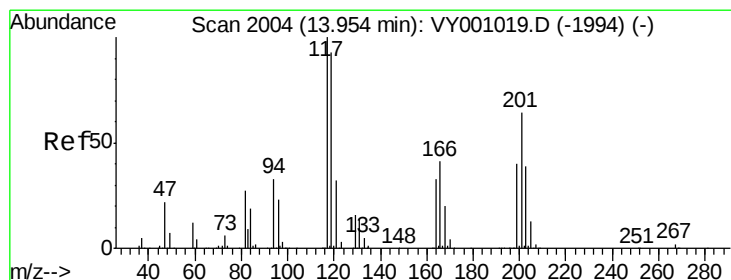
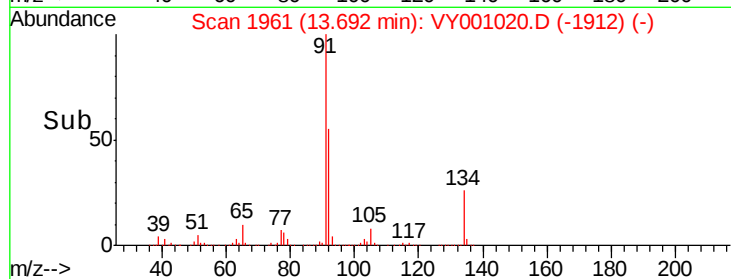
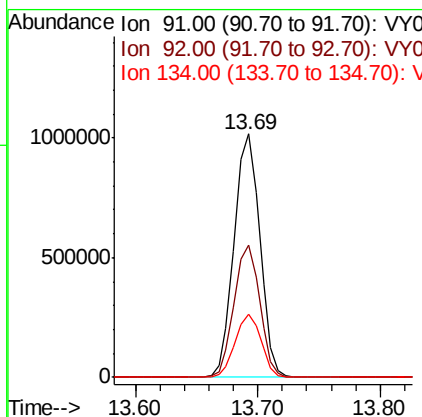
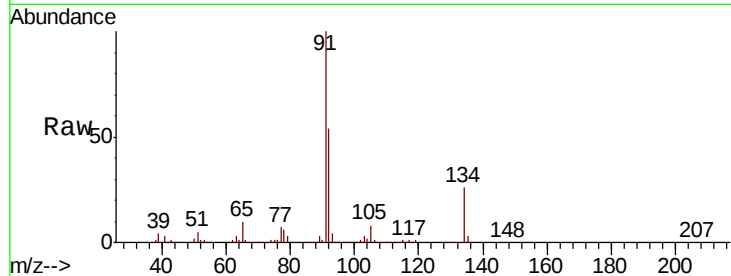




#89
n-Butylbenzene
Concen: 92.029 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

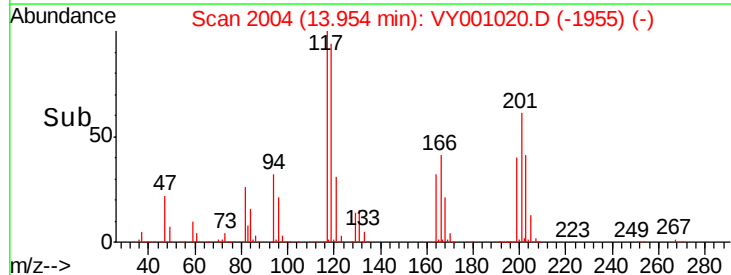
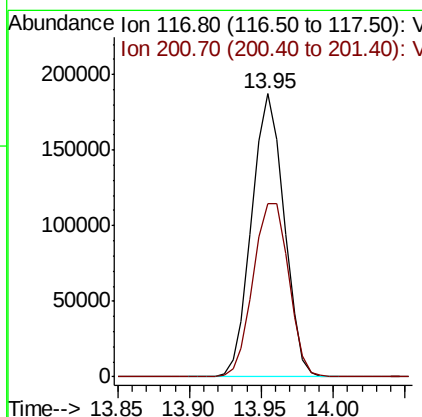
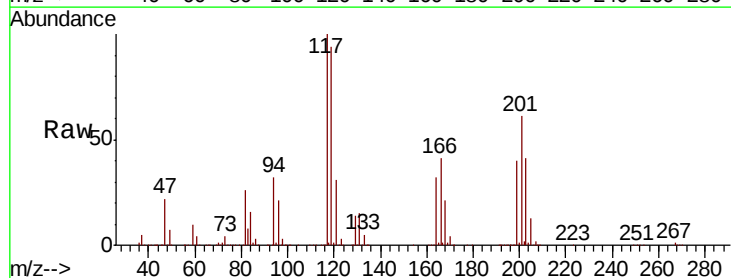
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

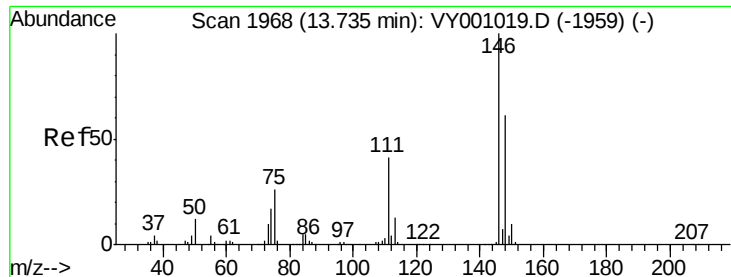
Tot Ion: 91 Resp: 1475651
Ion Ratio Lower Upper
91 100
92 54.3 26.9 80.7
134 25.9 12.7 38.0



#90
Hexachloroethane
Concen: 99.281 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001020.D
Acq: 23 Dec 2019 11:27

Tgt Ion: 117 Resp: 290997
Ion Ratio Lower Upper
117 100
201 67.5 33.7 101.1





#91

1,2-Dichlorobenzene

Concen: 93.581 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

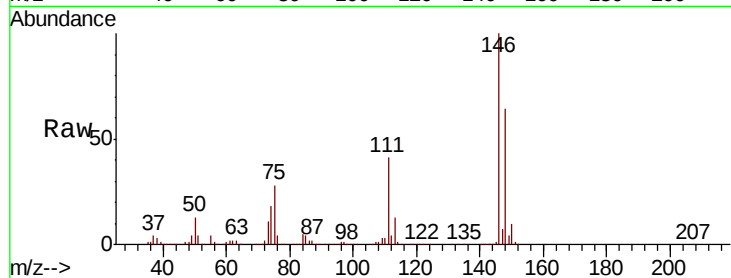
Tot Ion:146 Resp: 674947

Ion Ratio Lower Upper

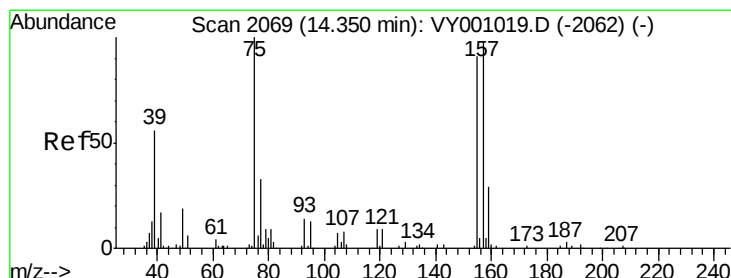
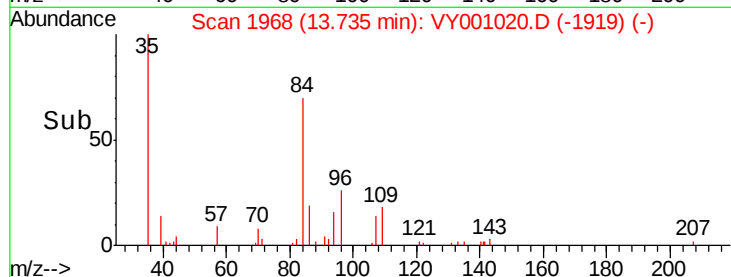
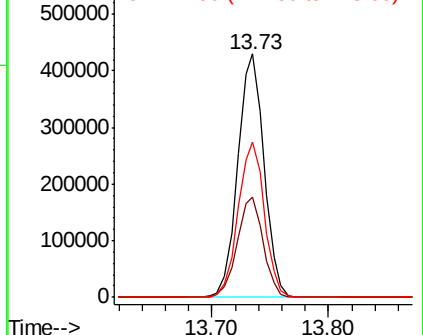
146 100

111 40.8 20.6 61.9

148 63.5 31.6 94.7



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 94.919 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

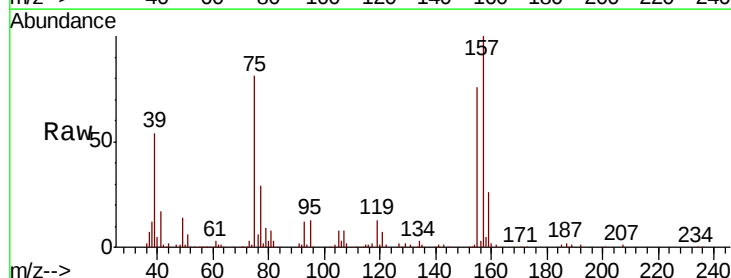
Tgt Ion: 75 Resp: 56124

Ion Ratio Lower Upper

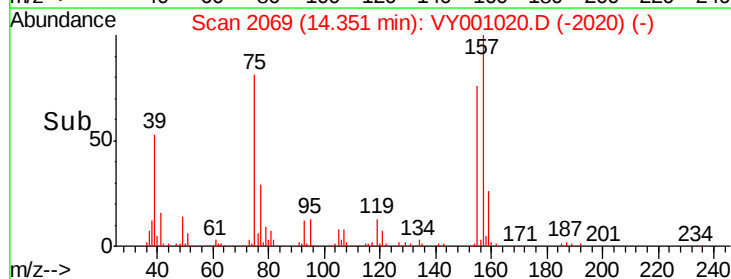
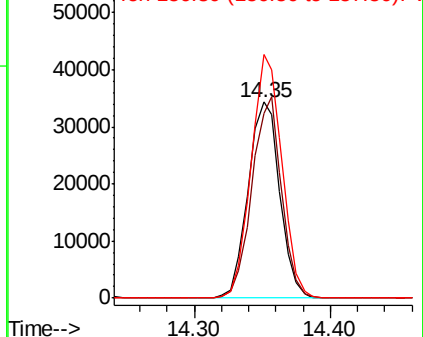
75 100

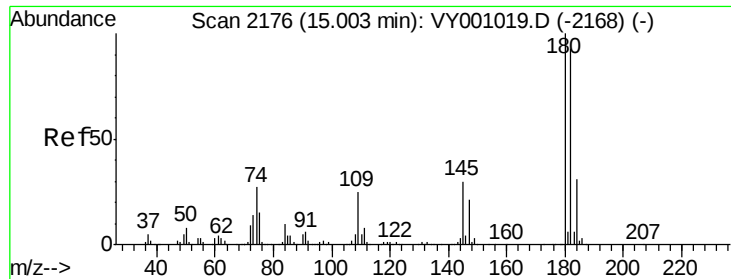
155 95.6 46.3 138.9

157 120.2 58.1 174.4



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

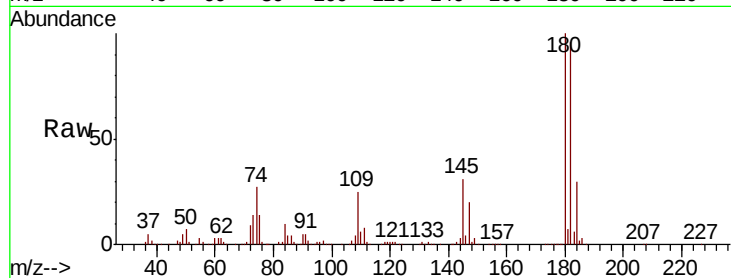




#93
 1,2,4-Trichlorobenzene
 Concen: 92.782 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.8	140.3
145	30.8	15.3	45.9

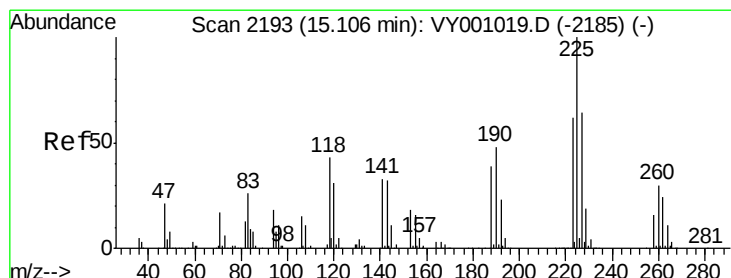
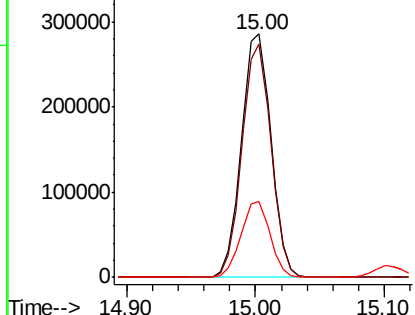
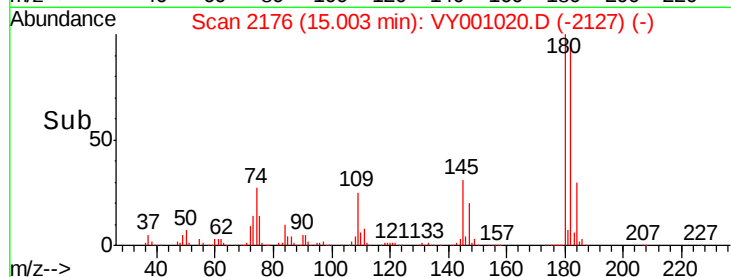


Abundance

Ion 179.80 (179.50 to 180.50): V

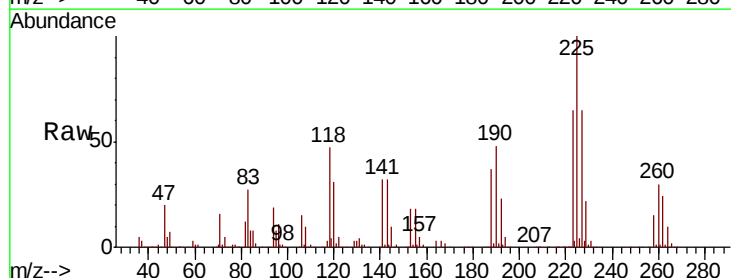
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 91.386 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001020.D
 Acq: 23 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.6	94.8
227	63.2	31.9	95.5

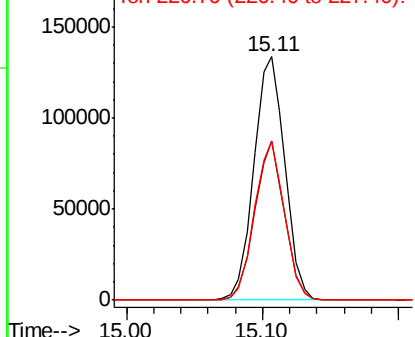
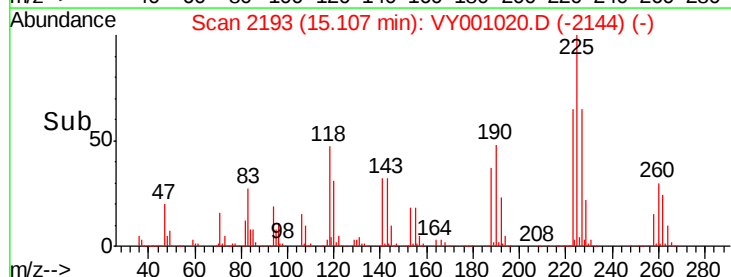


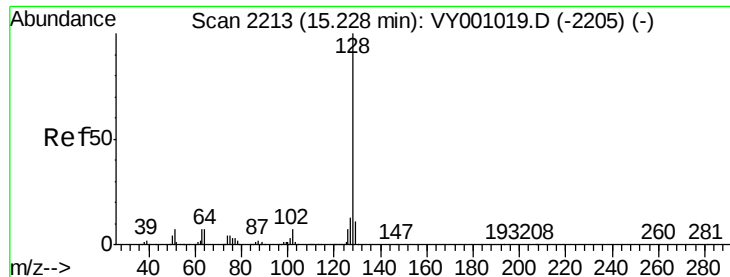
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 98.475 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

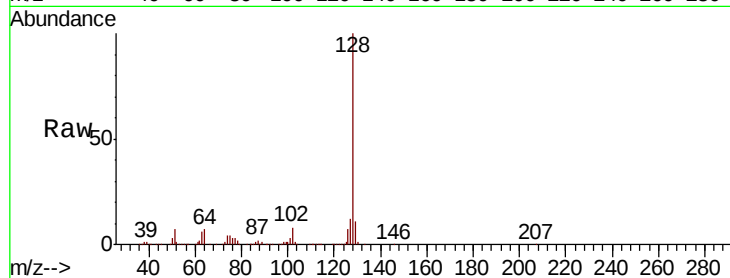
Tot Ion:128 Resp: 1106568

Ion Ratio Lower Upper

128 100

127 12.2 9.9 14.9

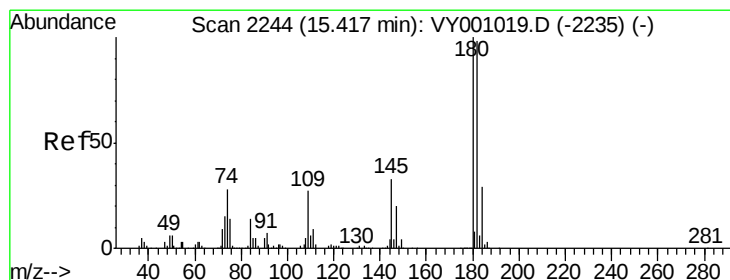
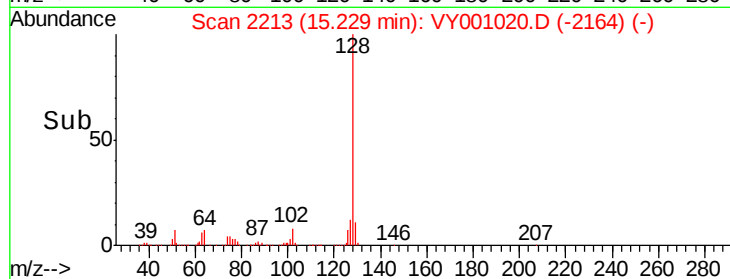
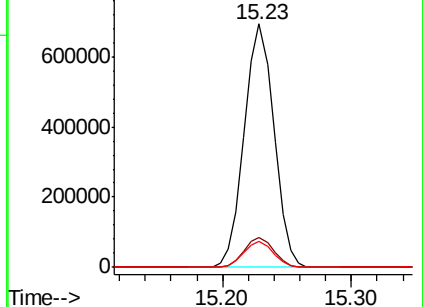
129 10.7 8.6 13.0



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: 93.686 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY001020.D

Acq: 23 Dec 2019 11:27

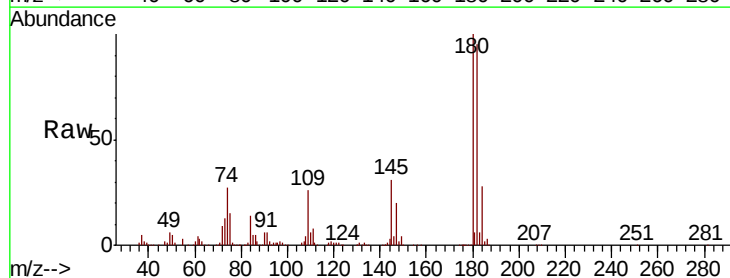
Tgt Ion:180 Resp: 405312

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.8

145 32.4 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

