

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042020\
 Data File : VY002419.D
 Acq On : 20 Apr 2020 12:50
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 20 14:50:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 14:34:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	290758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	452072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	403205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	203063	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	11157	3.66	ug/l	0.00
Spiked Amount			Recovery	=	7.32%	
35) Dibromofluoromethane	7.74	113	12611	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
50) Toluene-d8	10.19	98	52374	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
62) 4-Bromofluorobenzene	12.49	95	17855	4.96	ug/l	0.00
Spiked Amount			Recovery	=	9.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	11042	3.951	ug/l	96
3) Chloromethane	2.13	50	13463	3.847	ug/l	98
4) Vinyl Chloride	2.26	62	13160	3.516	ug/l	89
5) Bromomethane	2.66	94	10169	4.402	ug/l	99
6) Chloroethane	2.81	64	7957	3.693	ug/l	90
7) Trichlorofluoromethane	3.15	101	21632	4.384	ug/l	86
8) Diethyl Ether	3.54	74	7700	3.707	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.92	101	13970	4.185	ug/l	100
10) Methyl Iodide	4.12	142	14036	3.506	ug/l	99
11) Tert butyl alcohol	4.97	59	7153	17.583	ug/l #	86
12) 1,1-Dichloroethene	3.89	96	14142	4.153	ug/l	91
13) Acrolein	3.75	56	5290	13.339	ug/l	99
14) Allyl chloride	4.50	41	16679	3.151	ug/l	97
15) Acrylonitrile	5.20	53	17493	16.703	ug/l	97
16) Acetone	3.97	43	13303	16.493	ug/l	99
17) Carbon Disulfide	4.21	76	42997	3.846	ug/l	100
18) Methyl Acetate	4.51	43	7967	3.219	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	30842	3.507	ug/l	99
20) Methylene Chloride	4.74	84	18323	4.532	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	15439	4.061	ug/l	99
22) Diisopropyl ether	6.14	45	35181	3.310	ug/l	97
23) Vinyl Acetate	6.08	43	101512	14.945	ug/l	99
24) 1,1-Dichloroethane	6.04	63	22149	3.605	ug/l	97
25) 2-Butanone	7.01	43	19057	15.062	ug/l	96
26) 2,2-Dichloropropane	7.01	77	20293	3.911	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	16567	4.005	ug/l	97
28) Bromochloromethane	7.35	49	8529	3.284	ug/l	95
29) Tetrahydrofuran	7.37	42	12276	14.721	ug/l	99
30) Chloroform	7.53	83	23307	3.983	ug/l	89
31) Cyclohexane	7.80	56	26008	4.056	ug/l #	75
32) 1,1,1-Trichloroethane	7.72	97	19860	4.058	ug/l	98
36) 1,1-Dichloropropene	7.93	75	19124	4.413	ug/l	97
37) Ethyl Acetate	7.09	43	8465	3.487	ug/l	96
38) Carbon Tetrachloride	7.92	117	18629	4.894	ug/l	96

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 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 20 14:50:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 14:34:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	26457	4.476	ug/l	98
40) Benzene	8.18	78	57121	4.333	ug/l	98
41) Methacrylonitrile	7.36	41	11277	7.903	ug/l #	31
42) 1,2-Dichloroethane	8.25	62	12969	3.992	ug/l	99
43) Isopropyl Acetate	8.29	43	15224	3.445	ug/l	99
44) Trichloroethene	8.96	130	18912	4.759	ug/l	94
45) 1,2-Dichloropropane	9.23	63	12947	4.011	ug/l	100
46) Dibromomethane	9.32	93	7279	4.234	ug/l	98
47) Bromodichloromethane	9.51	83	16480	4.189	ug/l	95
48) Methyl methacrylate	9.31	41	6822	3.438	ug/l	97
49) 1,4-Dioxane	9.31	88	2024	82.811	ug/l #	94
51) 4-Methyl-2-Pentanone	10.08	43	38956	16.849	ug/l	97
52) Toluene	10.25	92	36818	4.610	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	17424	4.084	ug/l	94
54) cis-1,3-Dichloropropene	9.94	75	20542	4.007	ug/l #	88
55) 1,1,2-Trichloroethane	10.66	97	11099	4.403	ug/l	94
56) Ethyl methacrylate	10.52	69	13172	3.716	ug/l	99
57) 1,3-Dichloropropane	10.80	76	18073	4.121	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	36455	19.822	ug/l	99
59) 2-Hexanone	10.84	43	26801	16.715	ug/l	98
60) Dibromochloromethane	10.99	129	12574	4.588	ug/l	100
61) 1,2-Dibromoethane	11.10	107	10786	4.468	ug/l	97
64) Tetrachloroethene	10.73	164	21827	5.285	ug/l	94
65) Chlorobenzene	11.52	112	39604	4.771	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	13741	4.972	ug/l	99
67) Ethyl Benzene	11.60	91	69793	4.639	ug/l	99
68) m/p-Xylenes	11.71	106	53072	9.358	ug/l	99
69) o-Xylene	12.03	106	25001	4.696	ug/l	100
70) Styrene	12.05	104	41917	4.544	ug/l	99
71) Bromoform	12.22	173	7867	5.133	ug/l #	99
73) Isopropylbenzene	12.34	105	67037	4.319	ug/l	98
74) N-amyl acetate	12.15	43	13540	3.158	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	7750	4.119	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	16436	7.279	ug/l #	100
77) Bromobenzene	12.61	156	17387	4.985	ug/l	98
78) n-propylbenzene	12.67	91	81109	4.227	ug/l	99
79) 2-Chlorotoluene	12.76	91	43820	4.200	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	55945	4.361	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	4269	3.669	ug/l	93
82) 4-Chlorotoluene	12.86	91	46908	4.290	ug/l #	100
83) tert-Butylbenzene	13.08	119	48504	4.496	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	57245	4.465	ug/l	98
85) sec-Butylbenzene	13.26	105	70722	4.412	ug/l	98
86) p-Isopropyltoluene	13.38	119	64357	4.638	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	33022	4.911	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	33863	4.955	ug/l	95
89) n-Butylbenzene	13.70	91	60163	4.280	ug/l	99
90) Hexachloroethane	13.97	117	11503	4.359	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	29820	4.880	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1927	4.268	ug/l	82

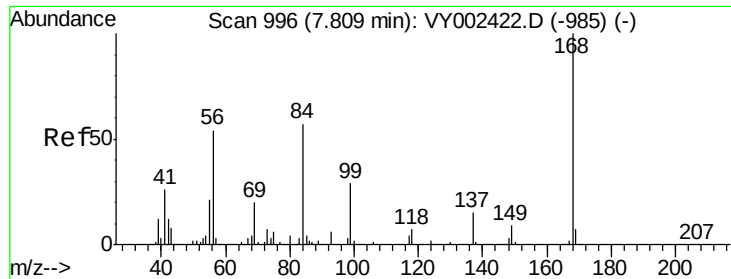
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042020\
Data File : VY002419.D
Acq On : 20 Apr 2020 12:50
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Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Apr 20 14:50:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 20 14:34:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	22099	5.435	ug/l	98
94) Hexachlorobutadiene	15.12	225	12187	5.881	ug/l	97
95) Naphthalene	15.25	128	39600	4.550	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	19099	5.412	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

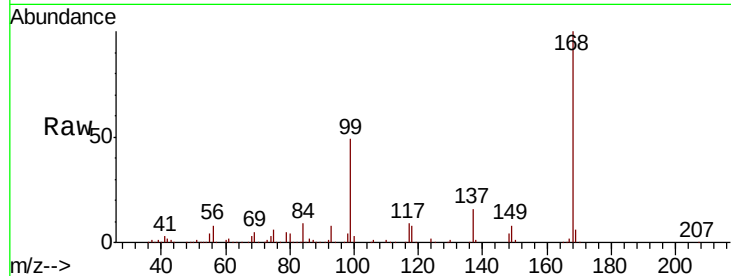
ClientSampleId :

Tot Ion:168 Resp: 290758

Ion Ratio Lower Upper

168 100

99 49.2 37.0 55.4



Abundance Ion 167.90 (167.60 to 168.60): VY002422.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002422.D (-985) (-)

7.81

150000

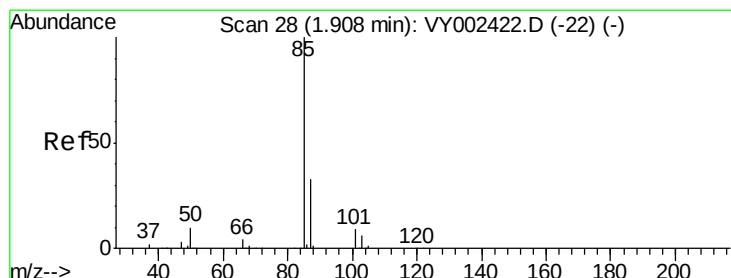
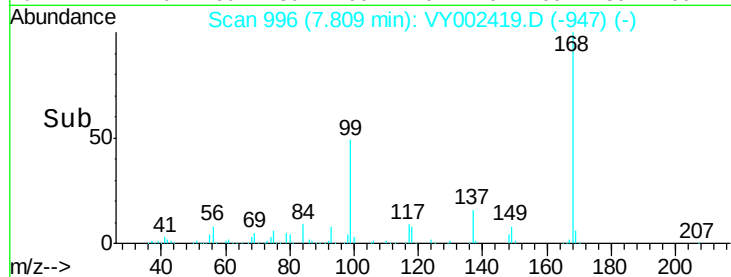
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 3.951 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002419.D

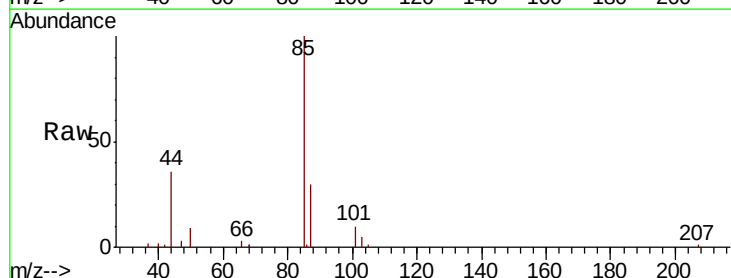
Acq: 20 Apr 2020 12:50

Tgt Ion: 85 Resp: 11042

Ion Ratio Lower Upper

85 100

87 30.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VY002422.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002422.D (-22) (-)

1.91

8000

6000

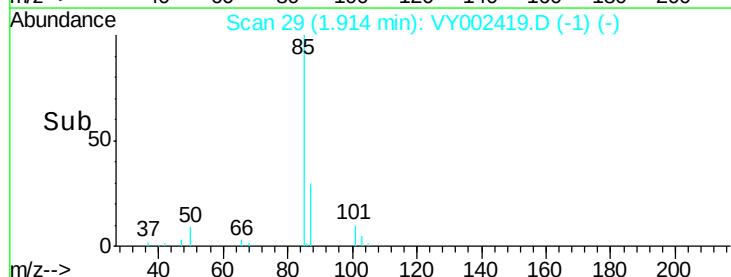
4000

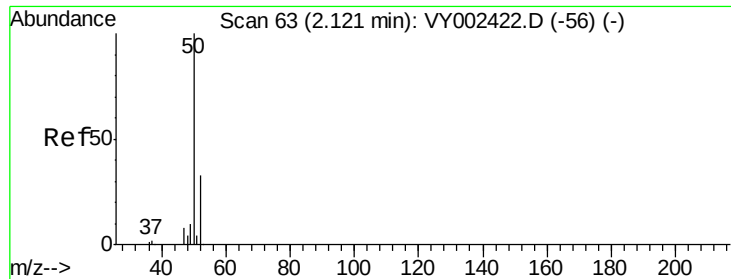
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 3.847 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

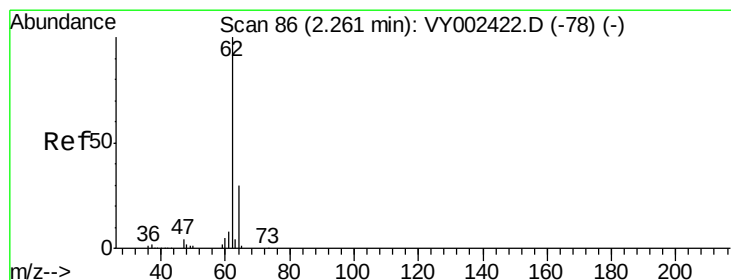
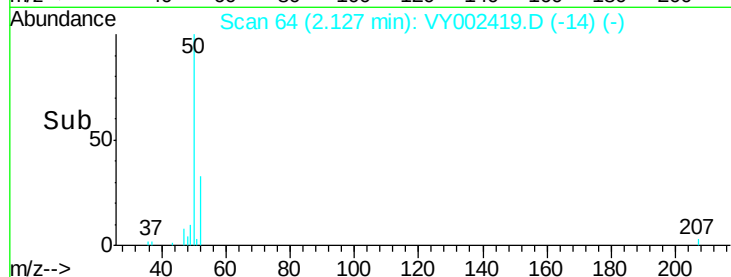
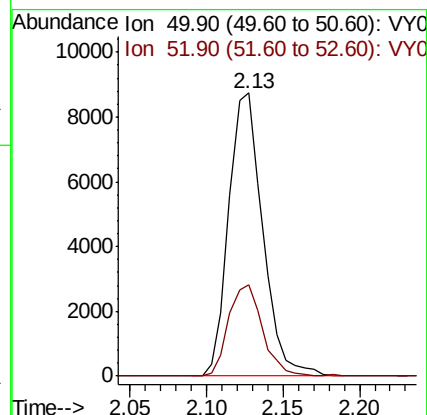
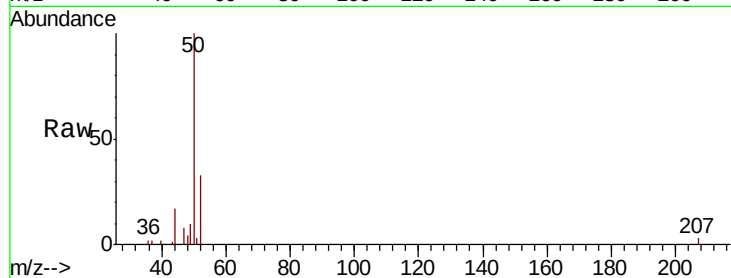
ClientSampleId :

Tot Ion: 50 Resp: 13463

Ion Ratio Lower Upper

50 100

52 32.5 26.7 40.1



#4

Vinyl Chloride

Concen: 3.516 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY002419.D

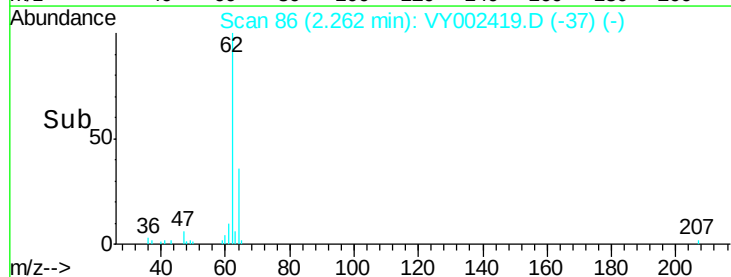
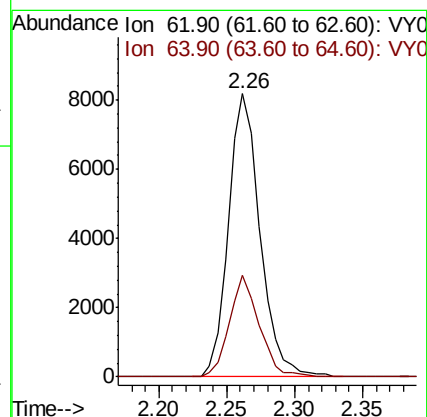
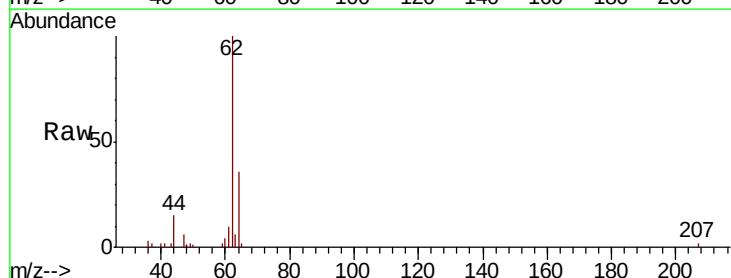
Acq: 20 Apr 2020 12:50

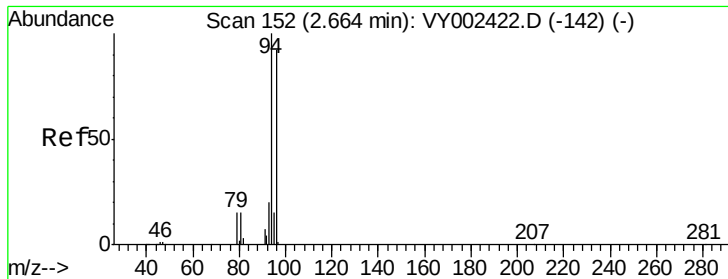
Tgt Ion: 62 Resp: 13160

Ion Ratio Lower Upper

62 100

64 35.9 24.1 36.1





#5

Bromomethane

Concen: 4.402 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

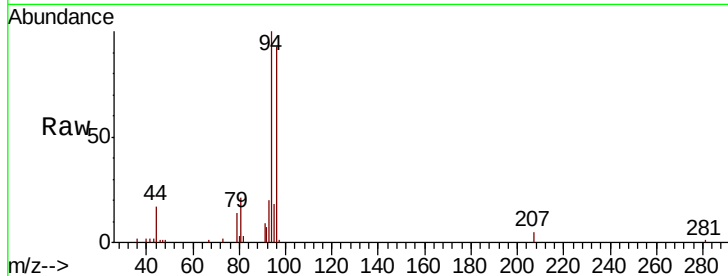
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 94 Resp: 10169

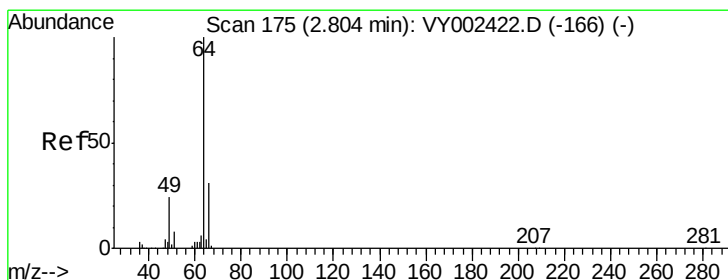
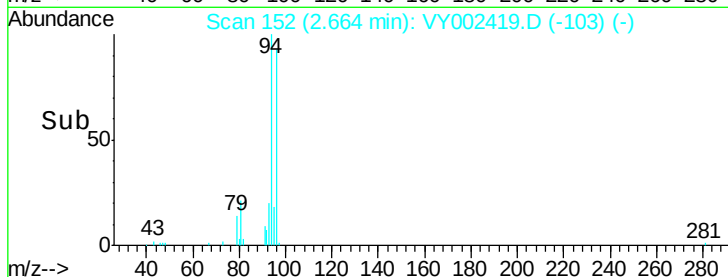
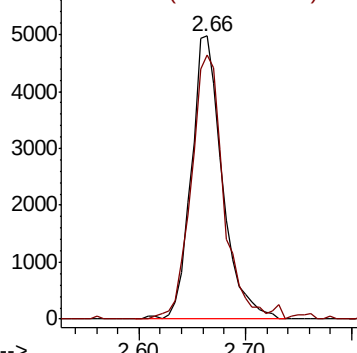
Ion Ratio Lower Upper

94 100

96 93.2 73.5 110.3



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



#6

Chloroethane

Concen: 3.693 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002419.D

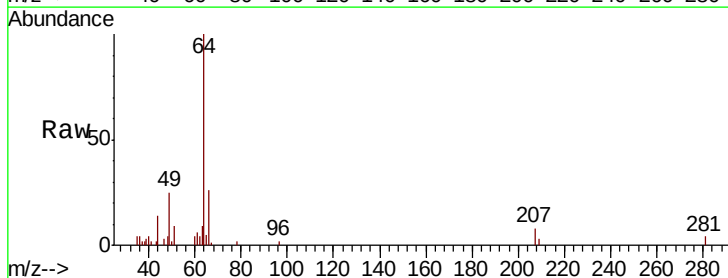
Acq: 20 Apr 2020 12:50

Tgt Ion: 64 Resp: 7957

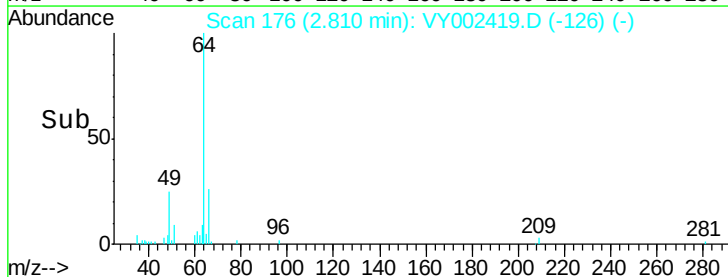
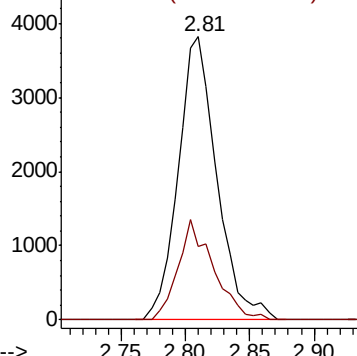
Ion Ratio Lower Upper

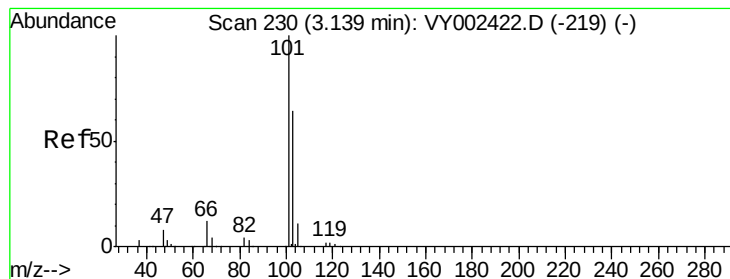
64 100

66 25.8 25.0 37.6



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



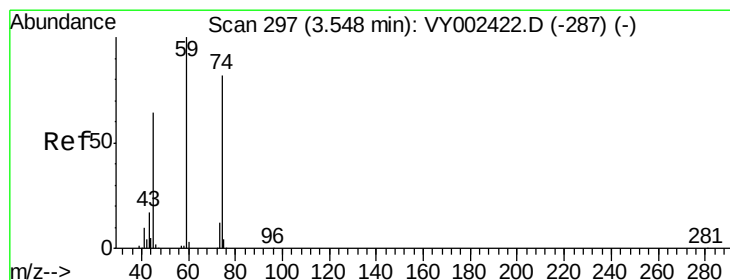
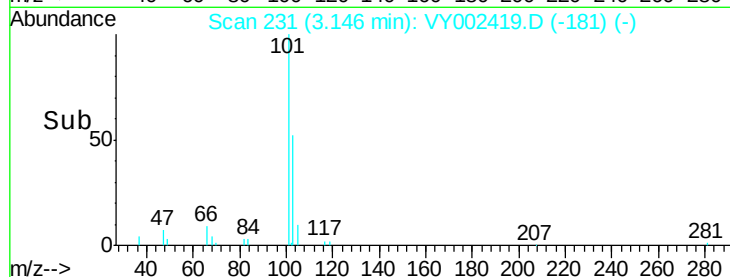
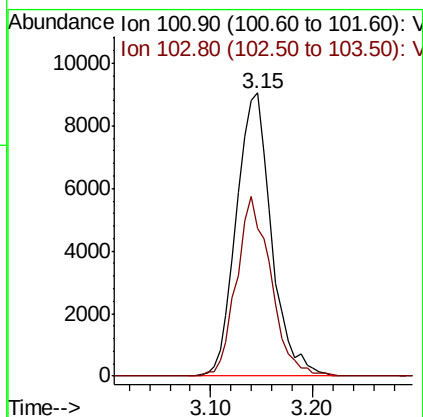
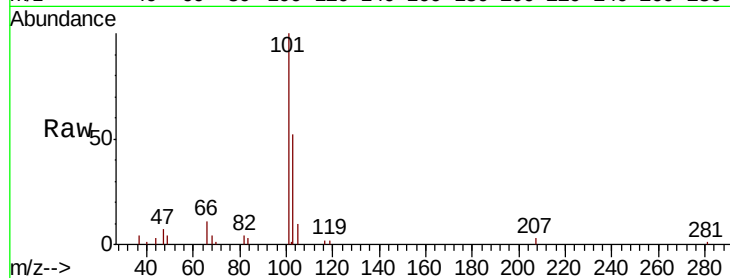


#7

Trichlorofluoromethane
Concen: 4.384 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Instrument :
MSVOA_Y
ClientSampleId :

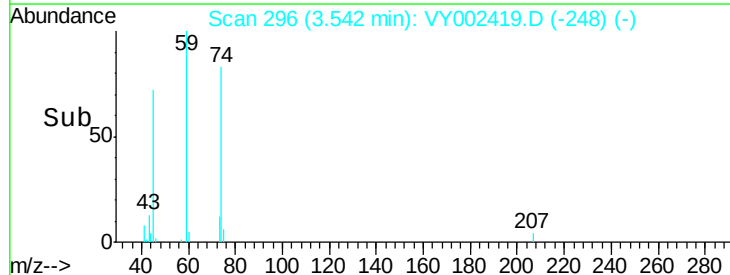
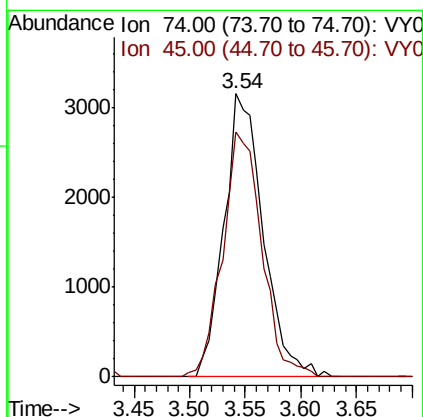
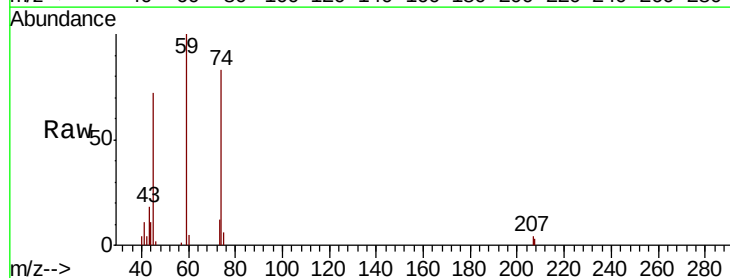
Tot Ion:101 Resp: 21632
Ion Ratio Lower Upper
101 100
103 52.4 50.8 76.2

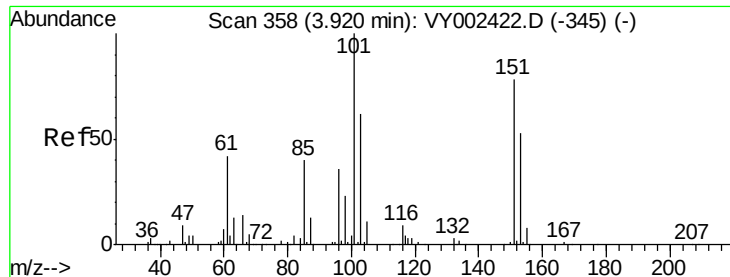


#8

Diethyl Ether
Concen: 3.707 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion: 74 Resp: 7700
Ion Ratio Lower Upper
74 100
45 86.5 39.5 118.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.185 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

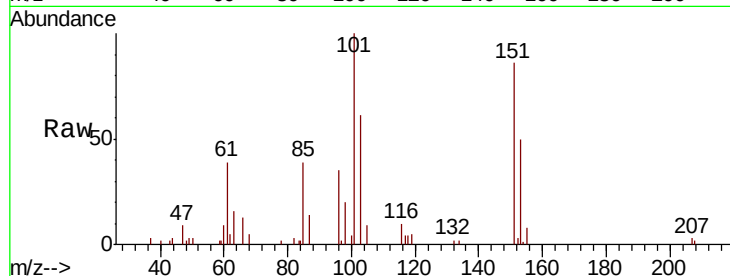
Tot Ion:101 Resp: 13970

Ion Ratio Lower Upper

101 100

85 40.4 32.2 48.4

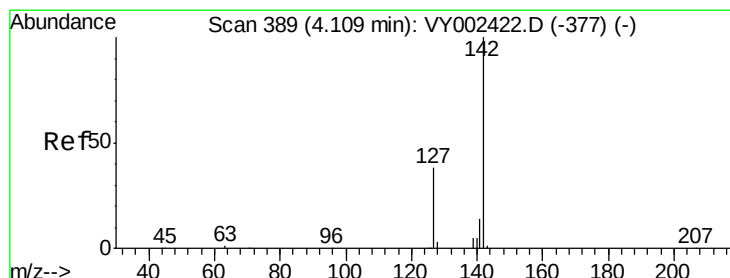
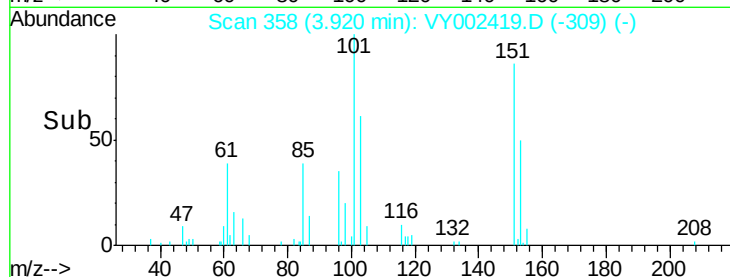
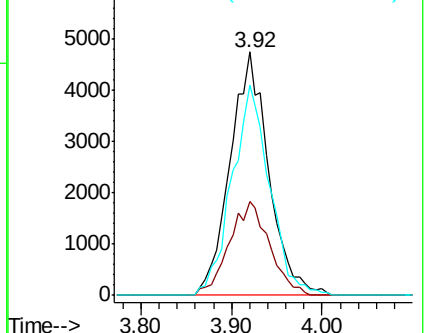
151 84.4 67.3 100.9



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: 3.506 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.01 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

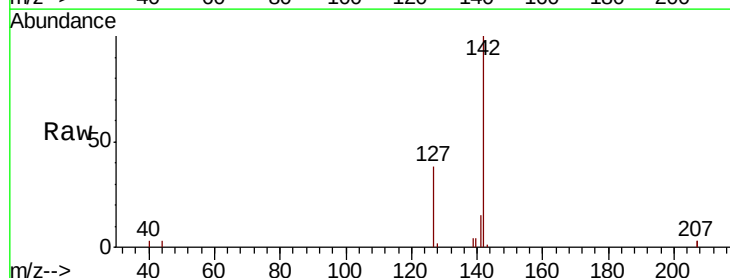
Tgt Ion:142 Resp: 14036

Ion Ratio Lower Upper

142 100

127 39.1 30.7 46.1

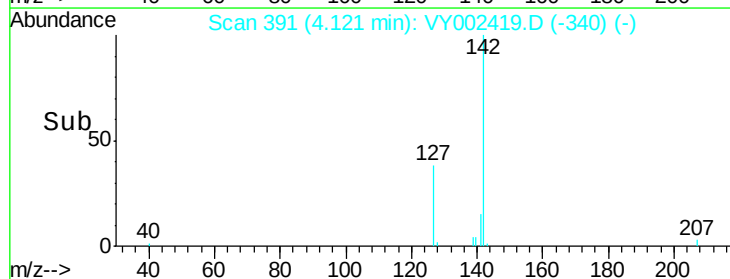
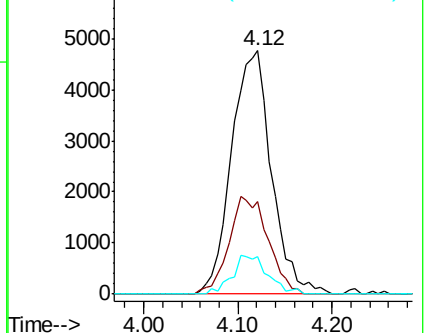
141 14.1 11.4 17.2

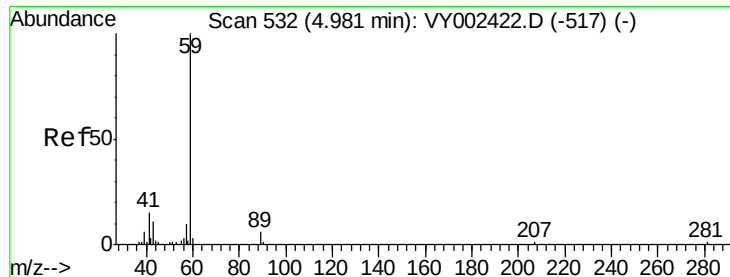


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



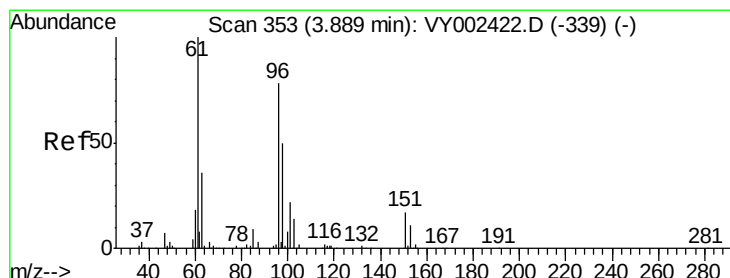
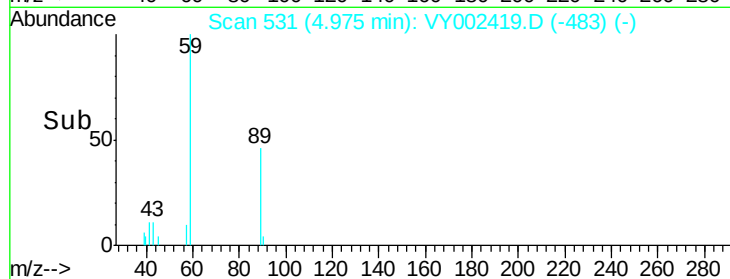
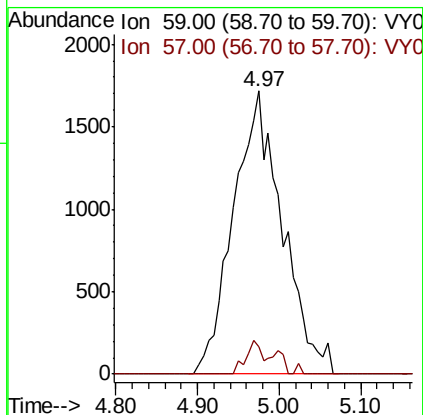
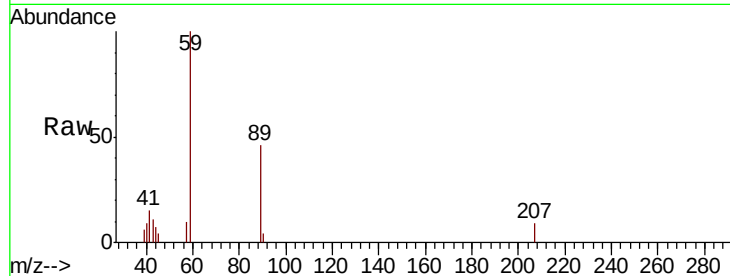


#11

Tert butyl alcohol
 Concen: 17.583 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

Instrument :
 MSVOA_Y
 ClientSampleId :

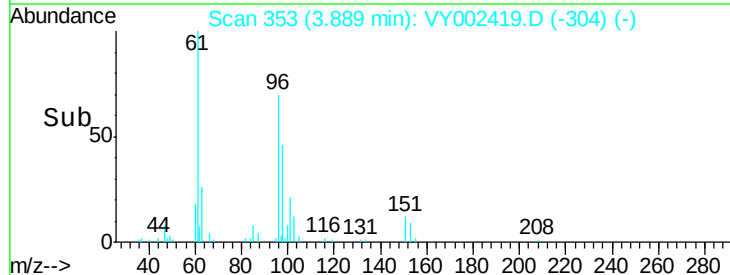
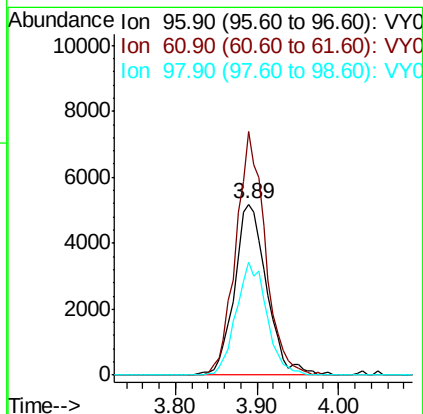
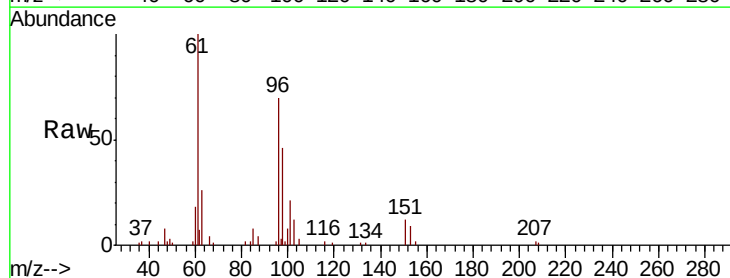
Tot Ion: 59 Resp: 7153
 Ion Ratio Lower Upper
 59 100
 57 4.2 7.4 11.2#

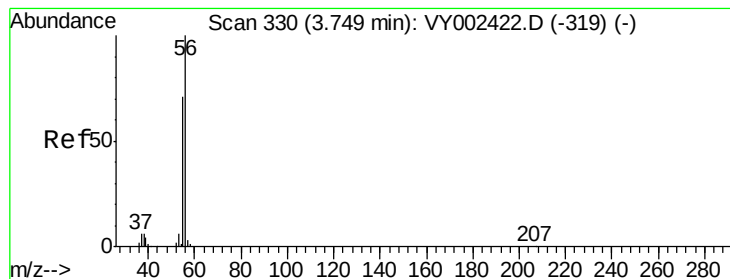


#12

1,1-Dichloroethene
 Concen: 4.153 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

Tgt Ion: 96 Resp: 14142
 Ion Ratio Lower Upper
 96 100
 61 142.2 102.1 153.1
 98 65.8 51.3 76.9





#13

Acrolein

Concen: 13.339 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

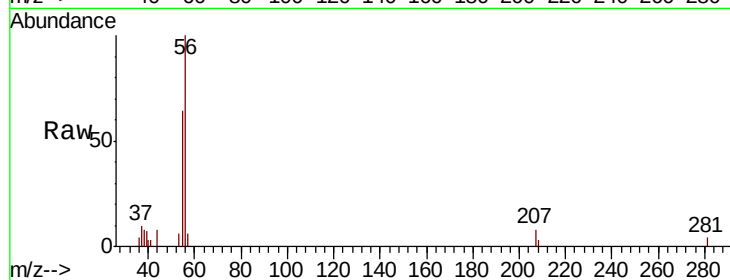
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 5290

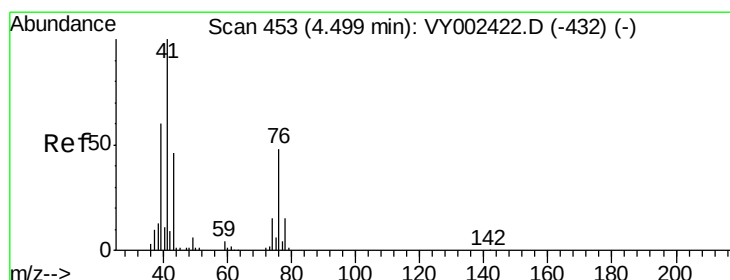
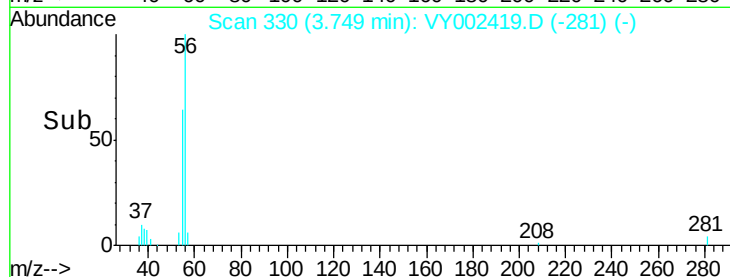
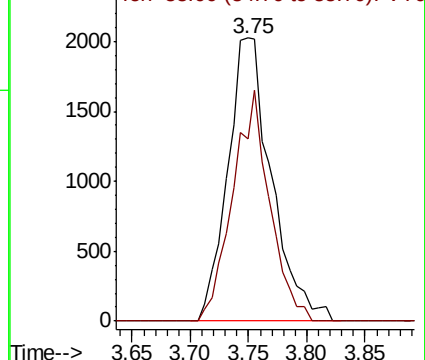
Ion Ratio Lower Upper

56 100

55 69.0 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 3.151 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

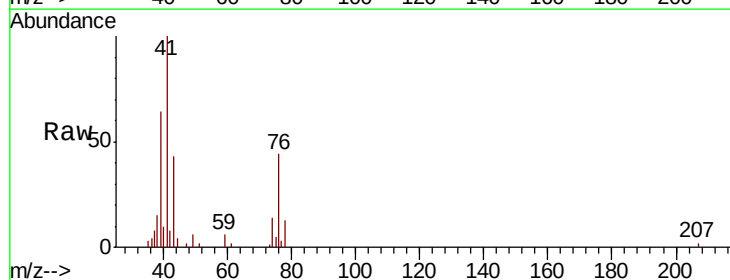
Tgt Ion: 41 Resp: 16679

Ion Ratio Lower Upper

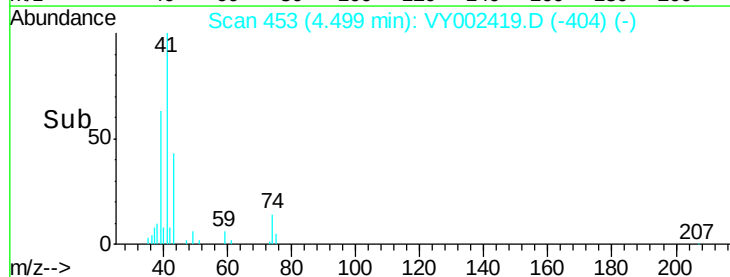
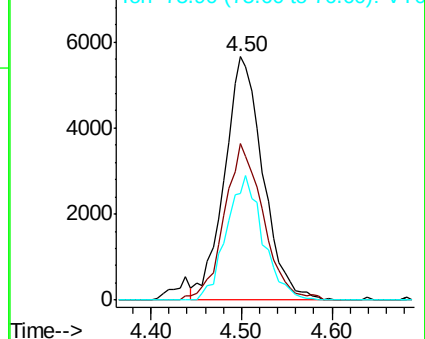
41 100

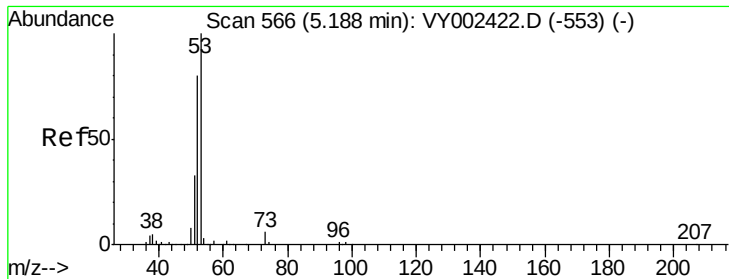
39 65.1 49.1 73.7

76 48.6 38.6 57.8



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 16.703 ug/l

RT: 5.20 min Scan# 568

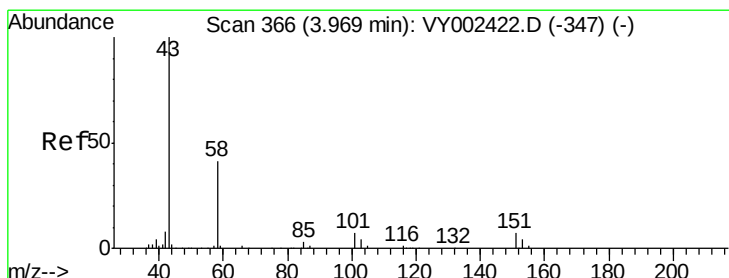
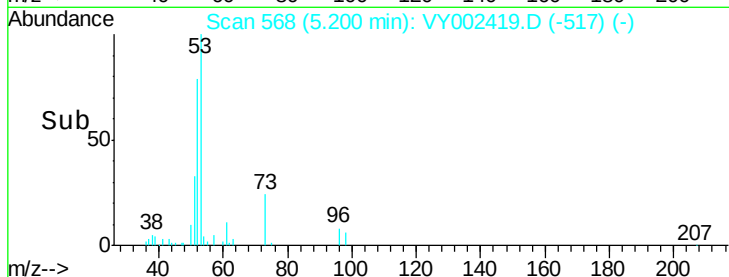
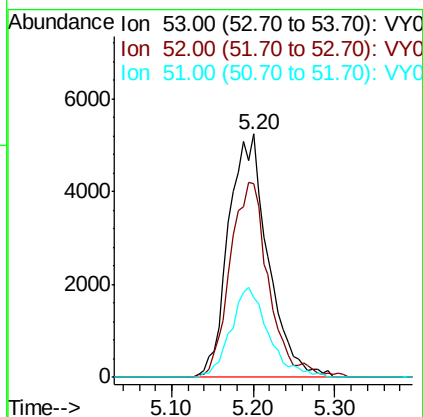
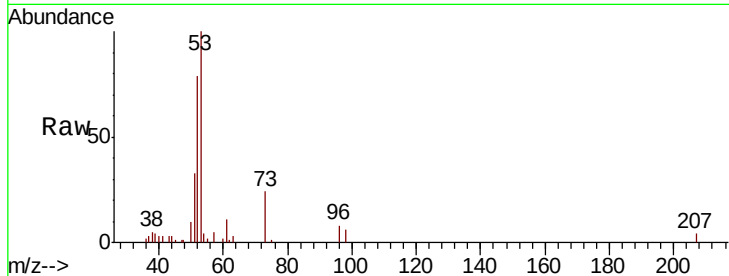
Delta R.T. 0.01 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	53	Resp:	17493
Ion	Ratio	Lower	Upper
53	100		
52	78.6	65.1	97.7
51	35.6	26.8	40.2



#16

Acetone

Concen: 16.493 ug/l

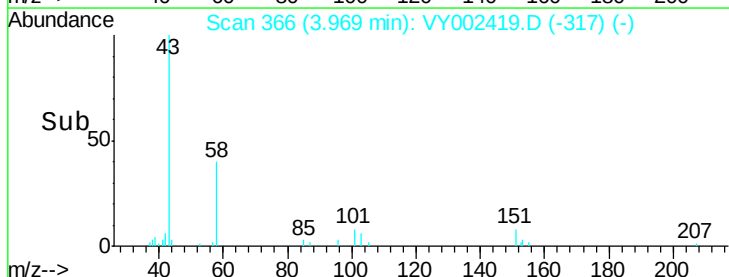
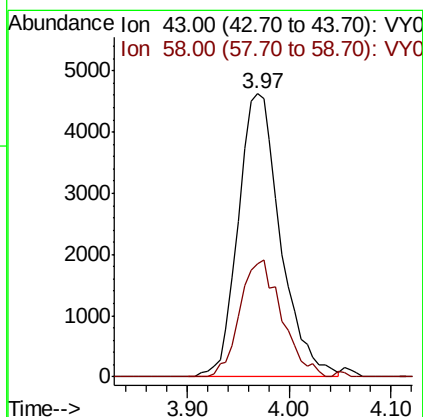
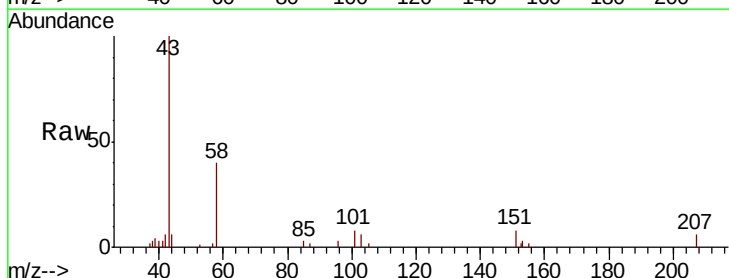
RT: 3.97 min Scan# 366

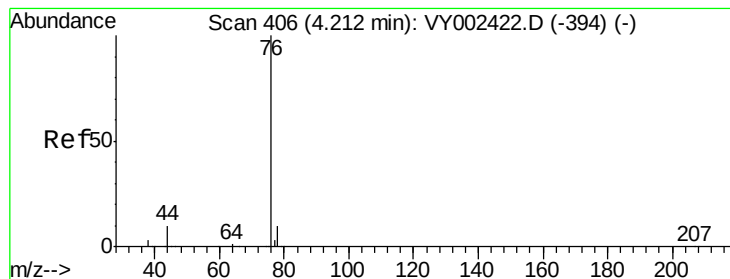
Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Tgt Ion:	43	Resp:	13303
Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.6	48.8





#17

Carbon Disulfide

Concen: 3.846 ug/l

RT: 4.21 min Scan# 406

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

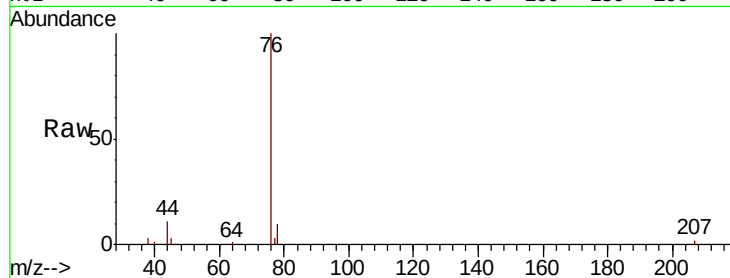
ClientSampleId :

Tot Ion: 76 Resp: 42997

Ion Ratio Lower Upper

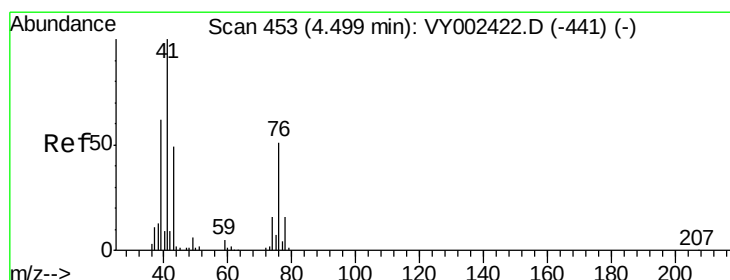
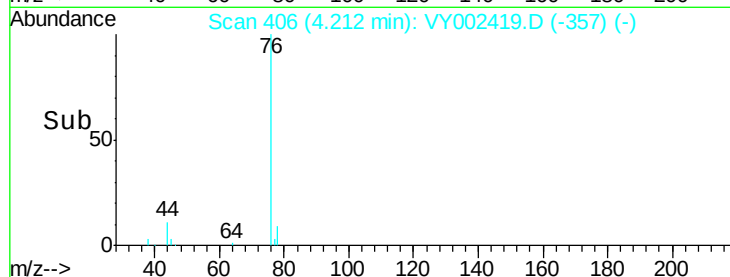
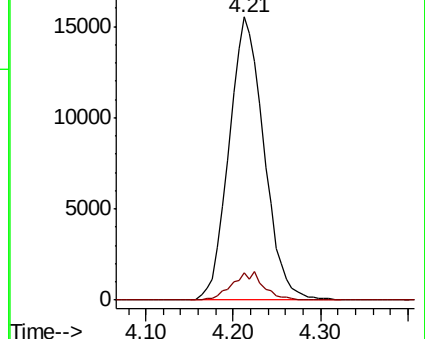
76 100

78 9.6 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 3.219 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002419.D

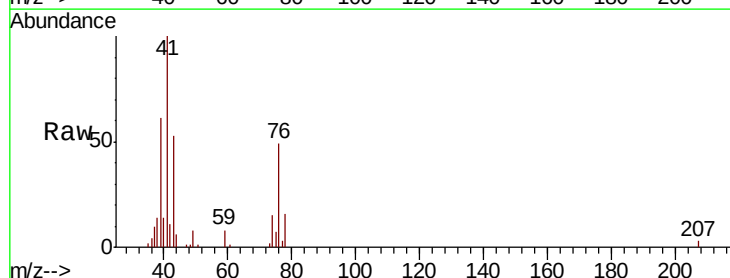
Acq: 20 Apr 2020 12:50

Tgt Ion: 43 Resp: 7967

Ion Ratio Lower Upper

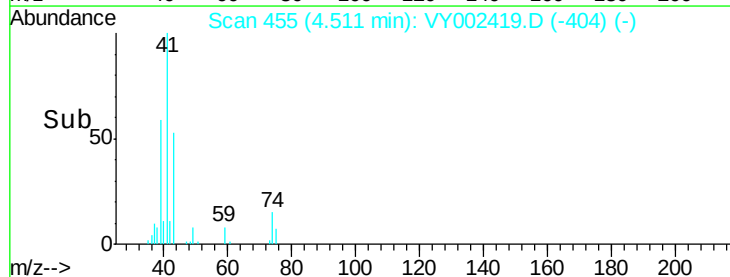
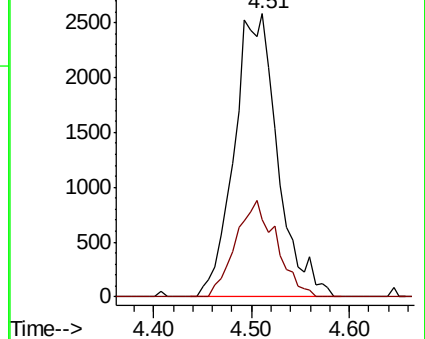
43 100

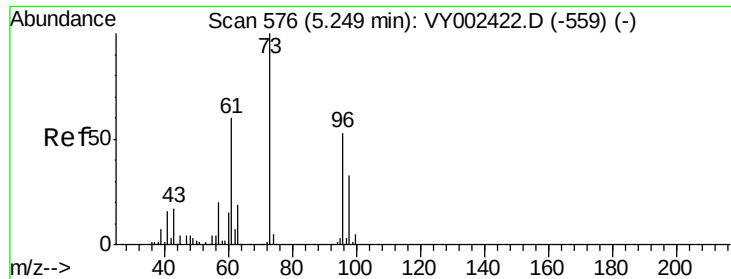
74 32.2 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

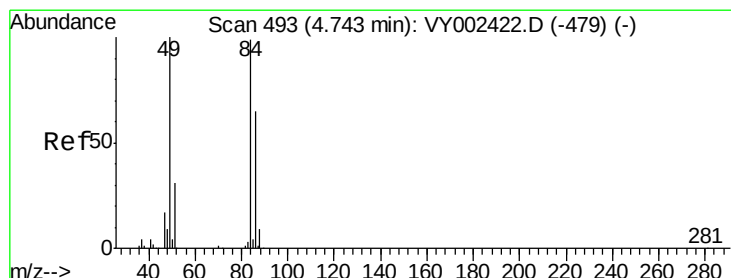
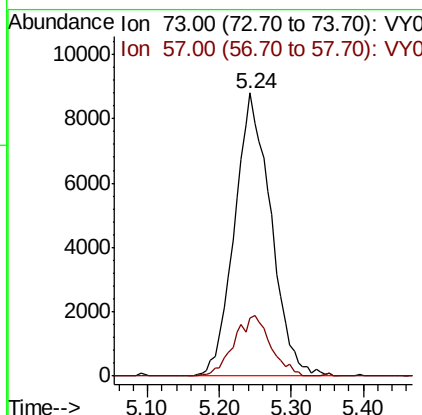
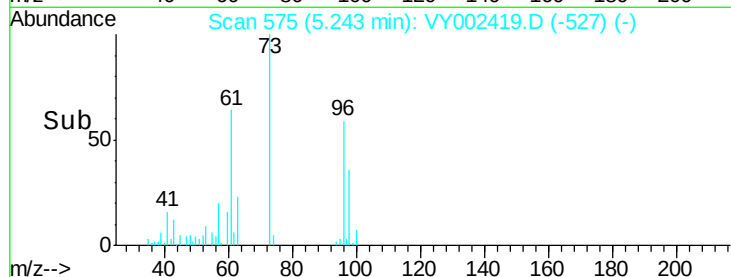
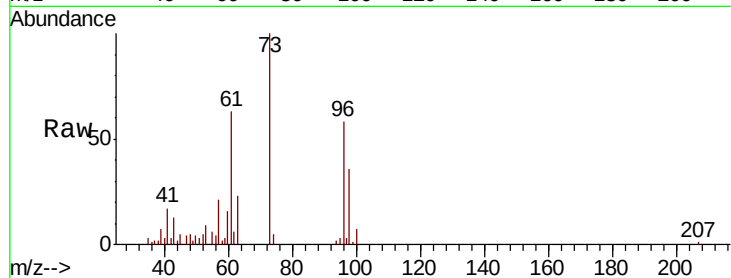




#19
Methyl tert-butyl Ether
Concen: 3.507 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

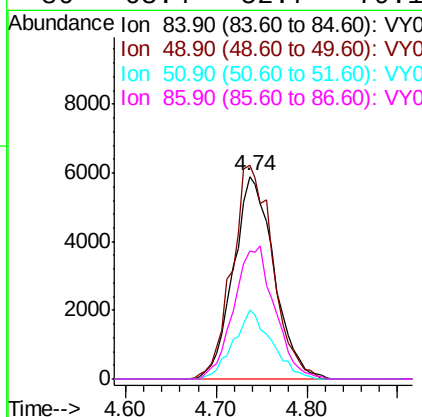
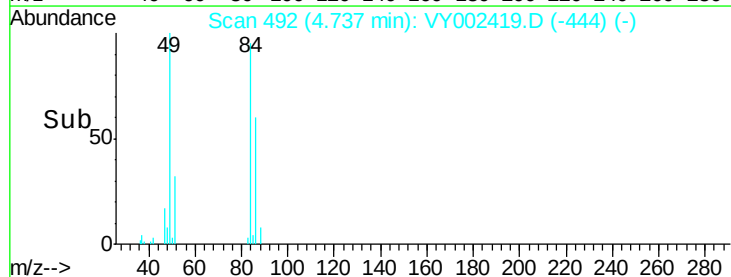
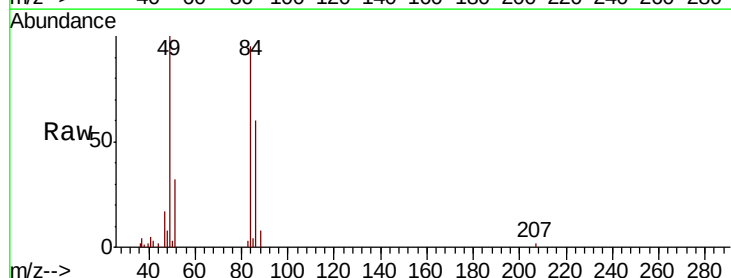
Instrument :
MSVOA_Y
ClientSampleId :

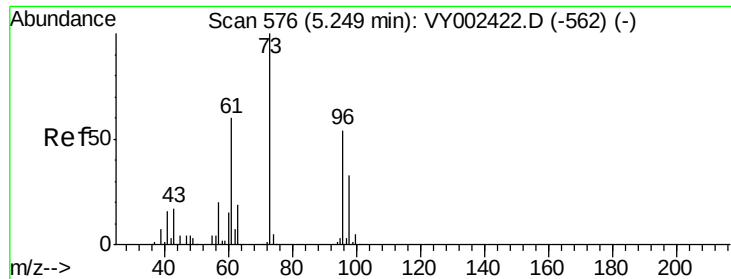
Tot Ion: 73 Resp: 30842
Ion Ratio Lower Upper
73 100
57 20.7 16.3 24.5



#20
Methylene Chloride
Concen: 4.532 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion: 84 Resp: 18323
Ion Ratio Lower Upper
84 100
49 105.4 81.0 121.6
51 33.9 24.9 37.3
86 63.4 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 4.061 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

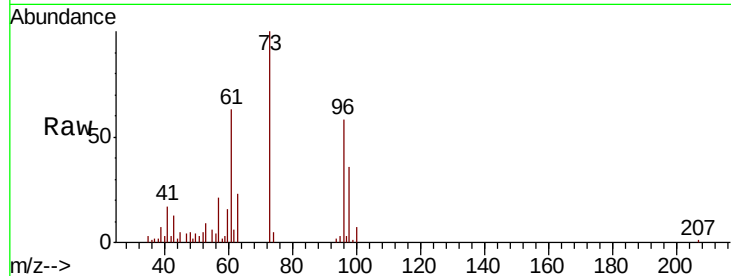
Tot Ion: 96 Resp: 15439

Ion Ratio Lower Upper

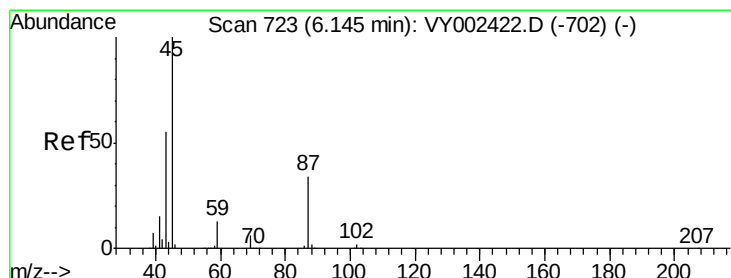
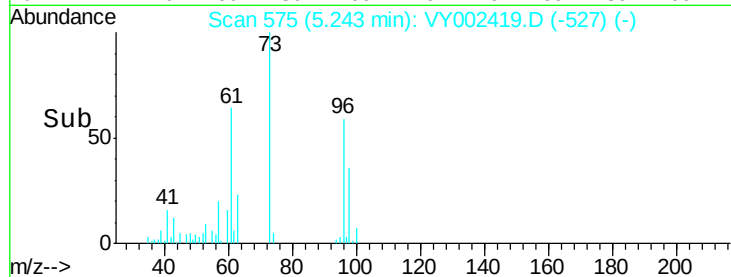
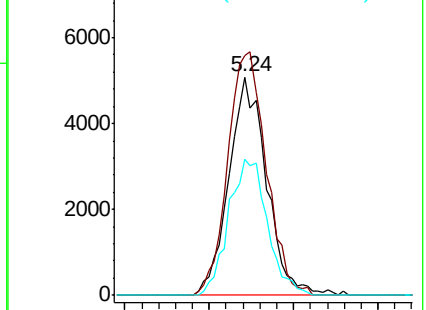
96 100

61 109.8 89.7 134.5

98 62.1 49.7 74.5



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: 3.310 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Tgt Ion: 45 Resp: 35181

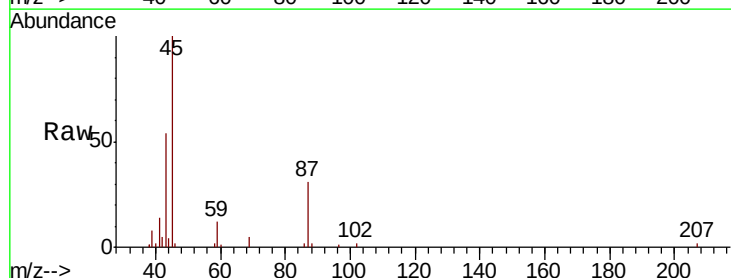
Ion Ratio Lower Upper

45 100

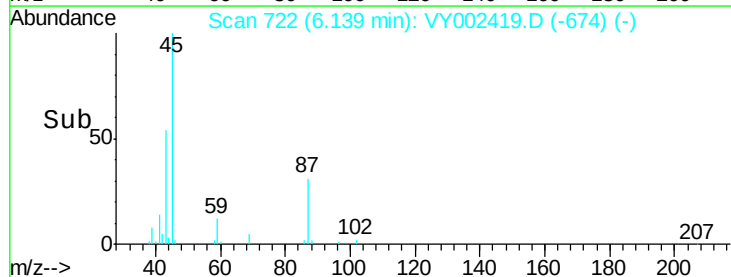
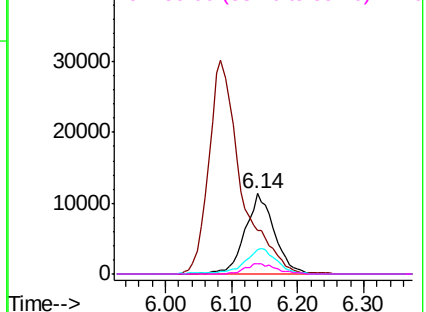
43 53.6 43.8 65.6

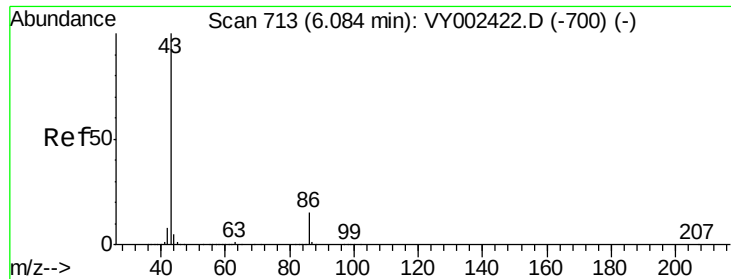
87 31.0 27.4 41.2

59 12.2 10.8 16.2



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: 14.945 ug/l

RT: 6.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

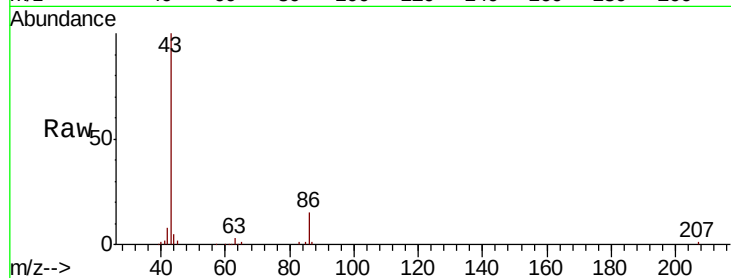
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 101512

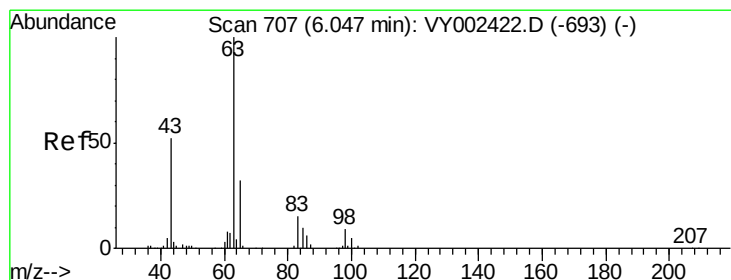
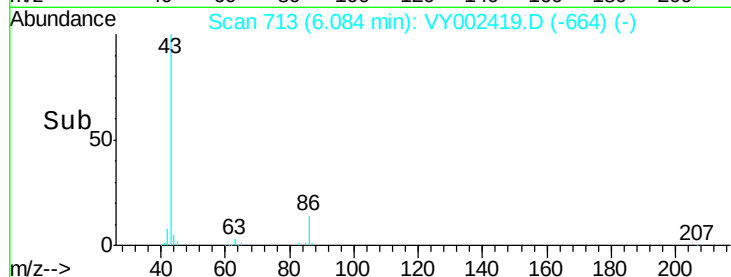
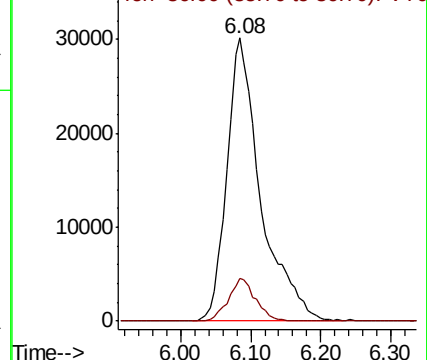
Ion Ratio Lower Upper

43 100

86 15.0 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 3.605 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

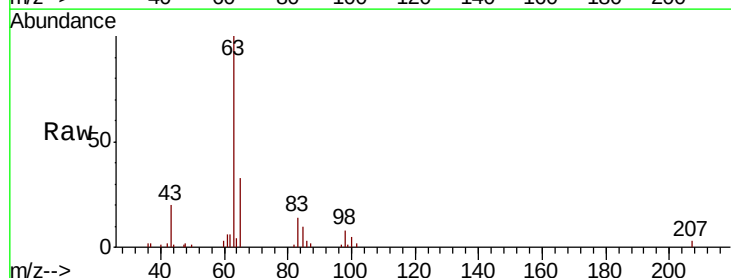
Tgt Ion: 63 Resp: 22149

Ion Ratio Lower Upper

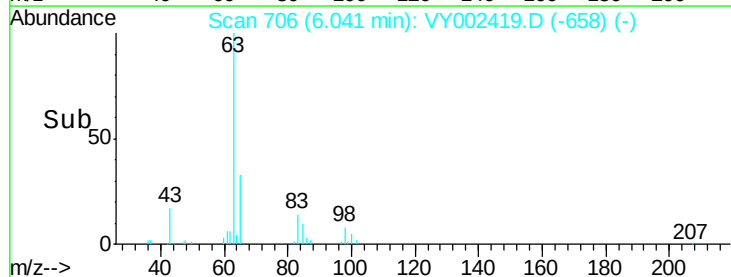
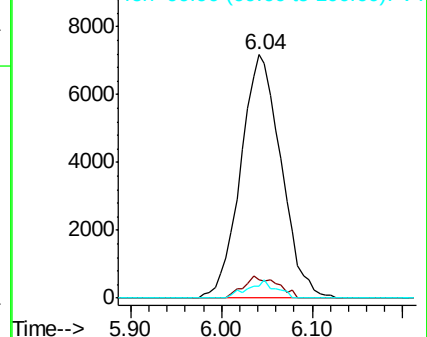
63 100

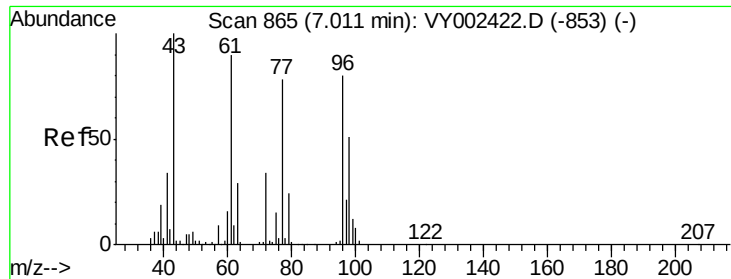
98 7.5 4.5 13.4

100 4.8 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 97.90 (97.60 to 98.60): VY0
Ion 99.90 (99.60 to 100.60): VY0

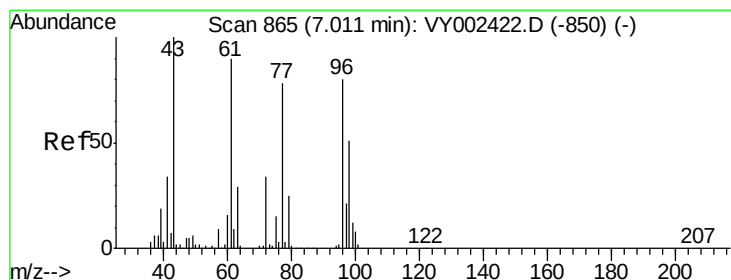
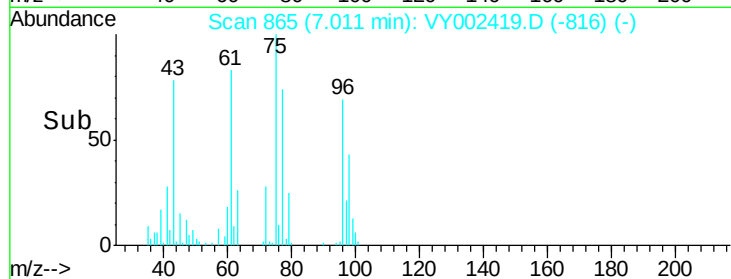
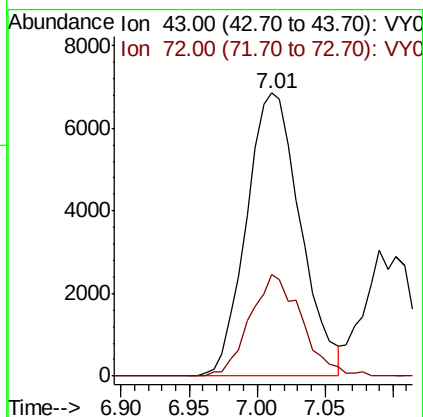
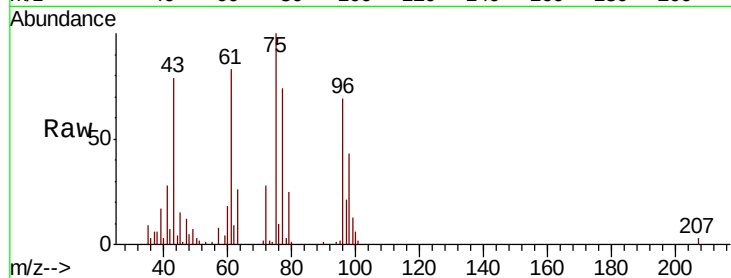




#25
 2-Butanone
 Concen: 15.062 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

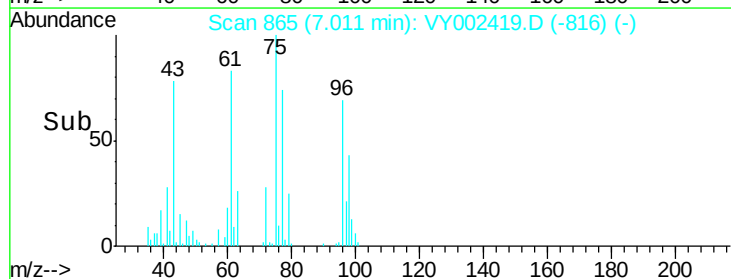
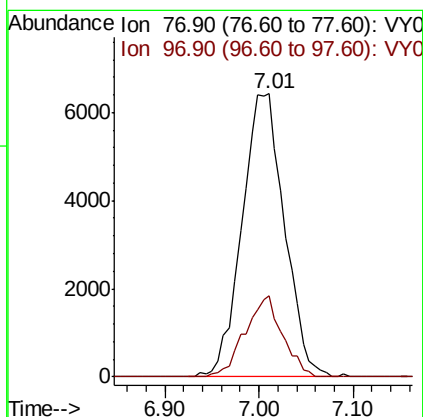
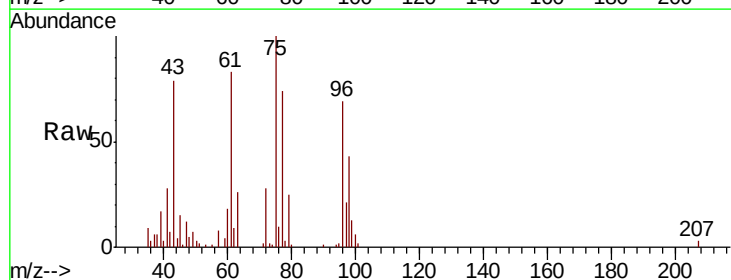
Instrument :
 MSVOA_Y
 ClientSampleId :

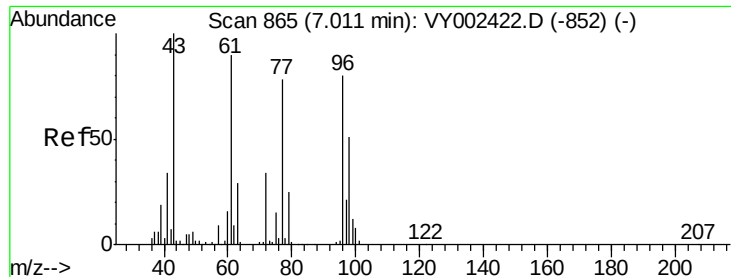
Tot Ion: 43 Resp: 19057
 Ion Ratio Lower Upper
 43 100
 72 36.0 27.0 40.6



#26
 2,2-Dichloropropane
 Concen: 3.911 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

Tgt Ion: 77 Resp: 20293
 Ion Ratio Lower Upper
 77 100
 97 25.2 13.5 40.5



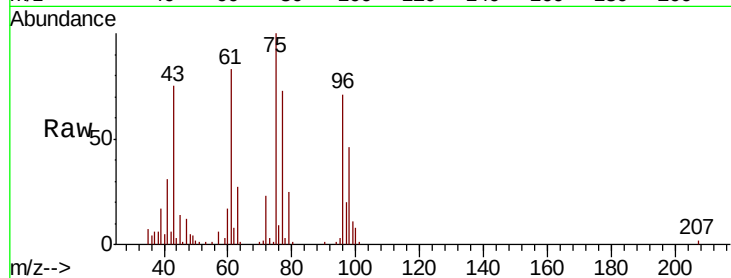


#27

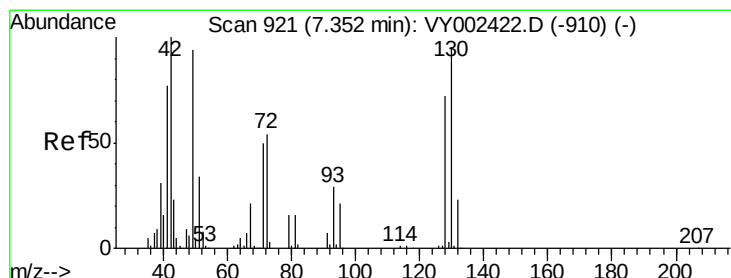
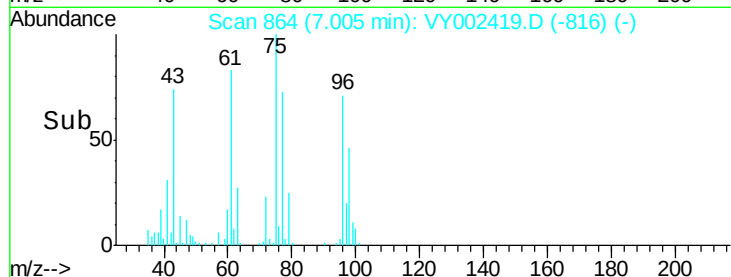
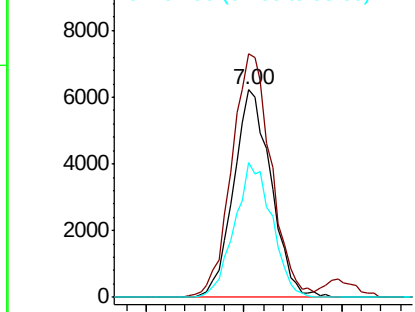
cis-1,2-Dichloroethene
Concen: 4.005 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	96	Resp	16567
Ion	Ratio	Lower	Upper
96	100		
61	123.3	0.0	236.2
98	64.4	0.0	130.2



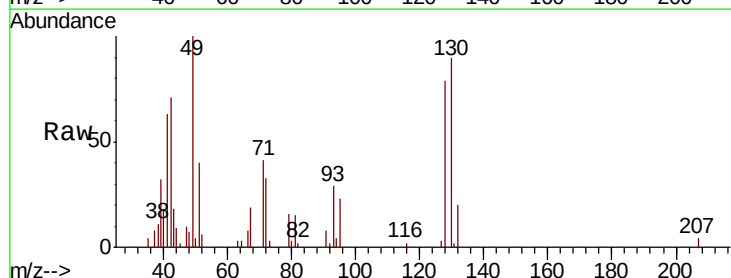
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



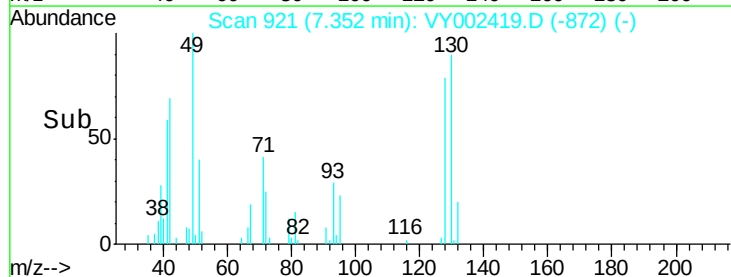
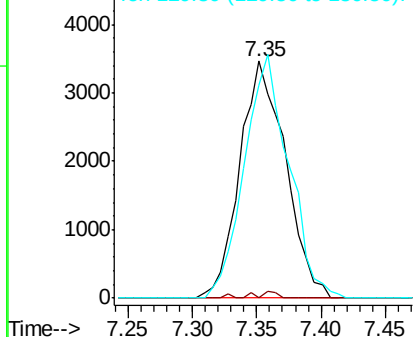
#28

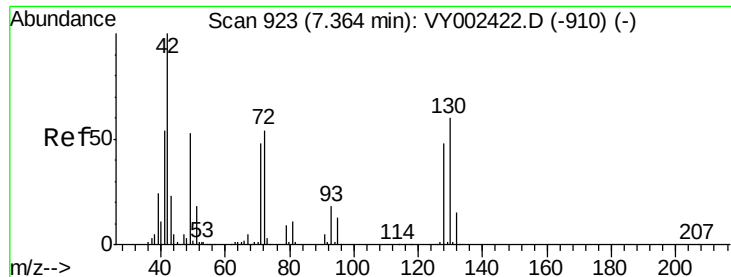
Bromochloromethane
Concen: 3.284 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion	49	Resp	8529
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	6.0
130	99.5	84.1	126.1



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

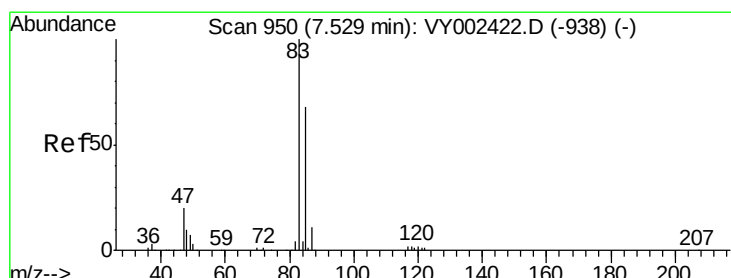
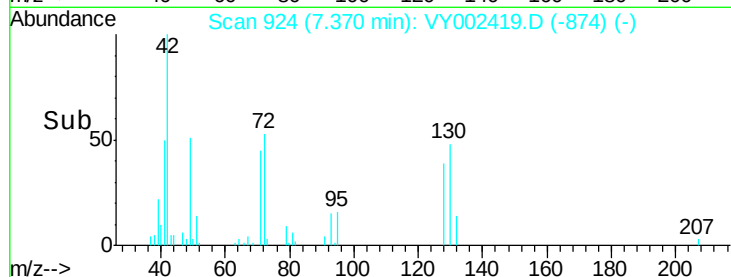
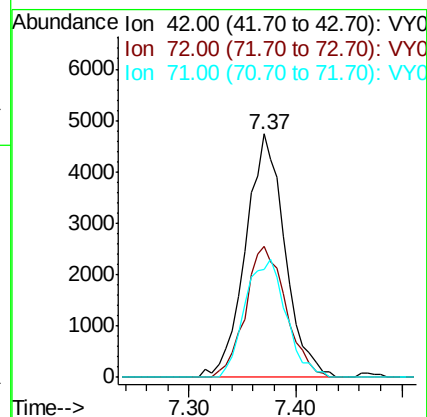
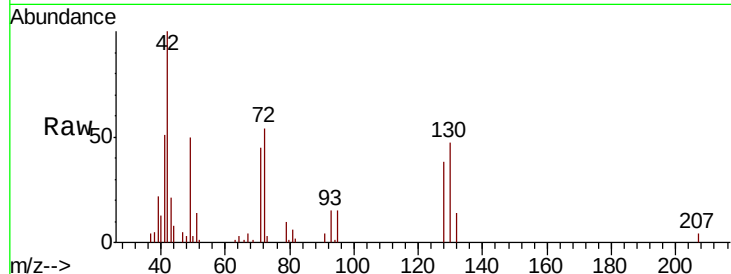




#29
Tetrahydrofuran
Concen: 14.721 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

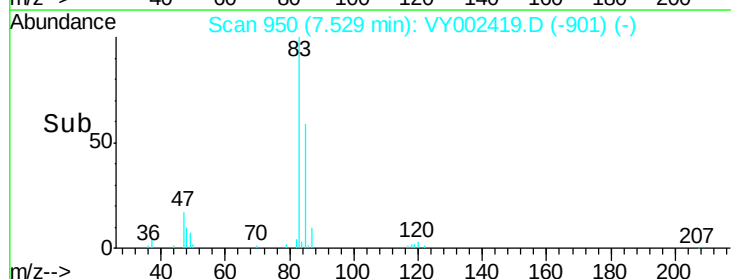
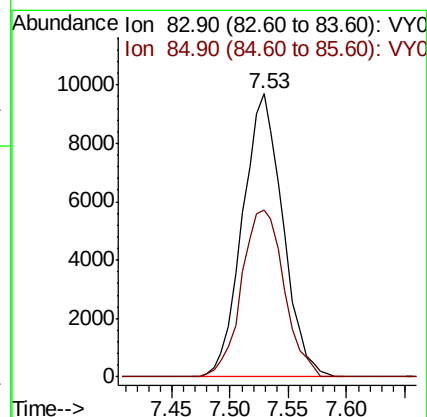
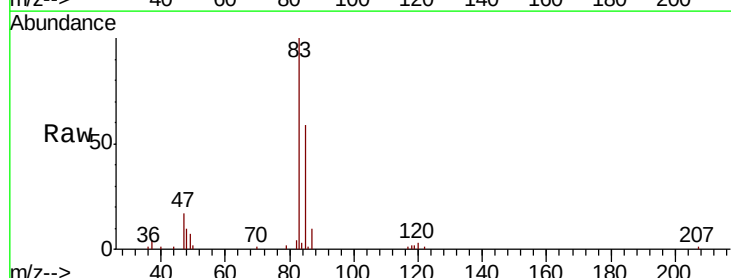
Instrument :
MSVOA_Y
ClientSampleId :

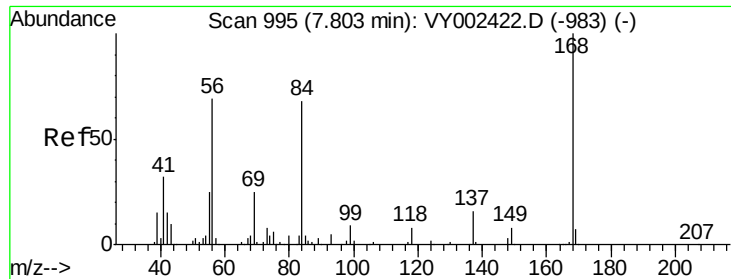
Tot Ion: 42 Resp: 12276
Ion Ratio Lower Upper
42 100
72 55.2 44.6 67.0
71 50.5 40.6 60.8



#30
Chloroform
Concen: 3.983 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion: 83 Resp: 23307
Ion Ratio Lower Upper
83 100
85 58.8 54.3 81.5

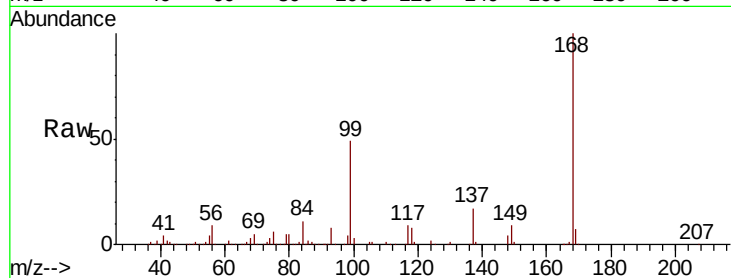




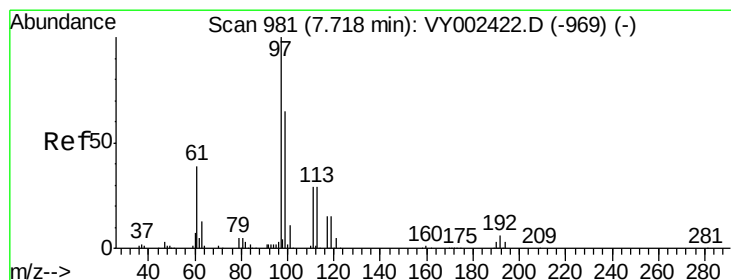
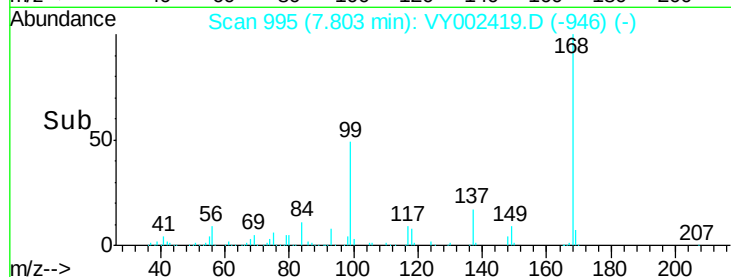
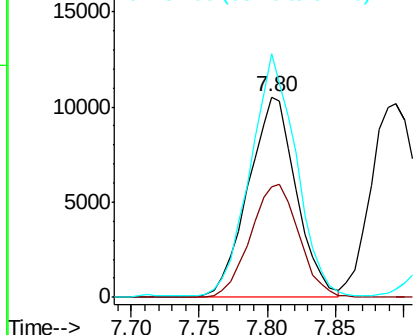
#31
Cyclohexane
Concen: 4.056 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 26008
Ion Ratio Lower Upper
56 100
69 55.4 29.1 43.7#
84 120.9 79.4 119.2#

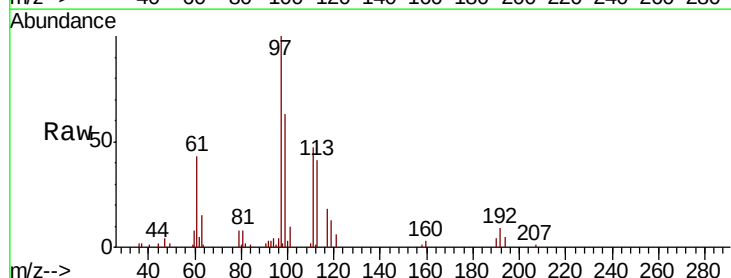


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

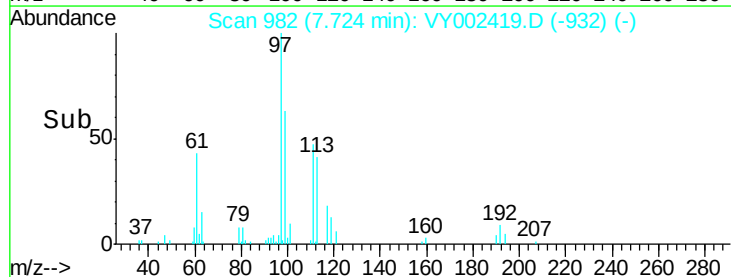
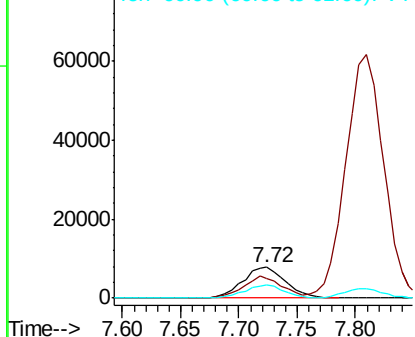


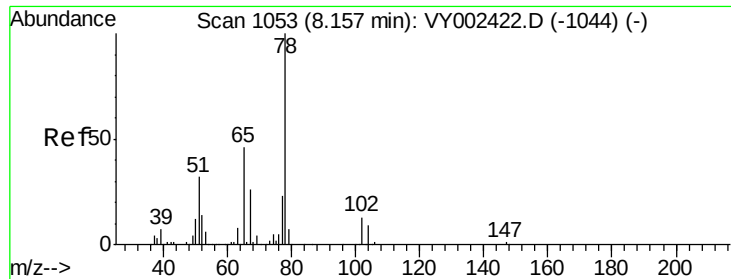
#32
1,1,1-Trichloroethane
Concen: 4.058 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion: 97 Resp: 19860
Ion Ratio Lower Upper
97 100
99 63.6 51.9 77.9
61 39.6 30.8 46.2



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

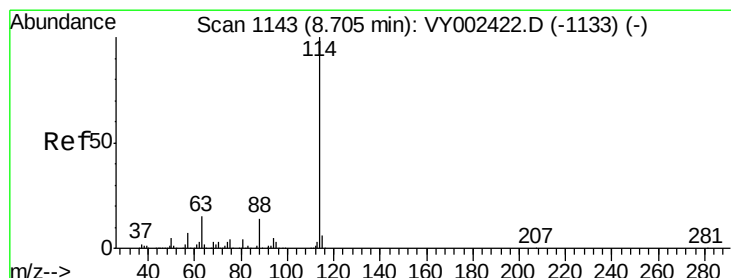
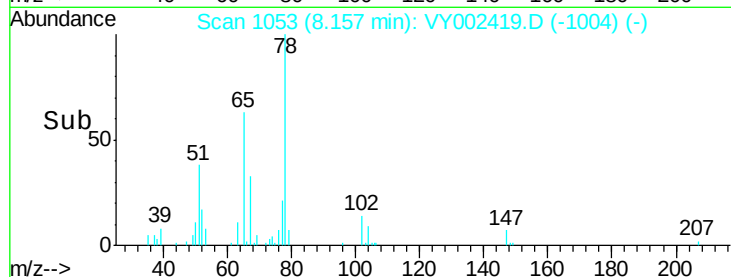
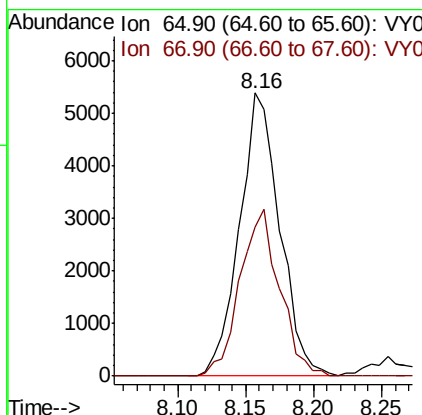
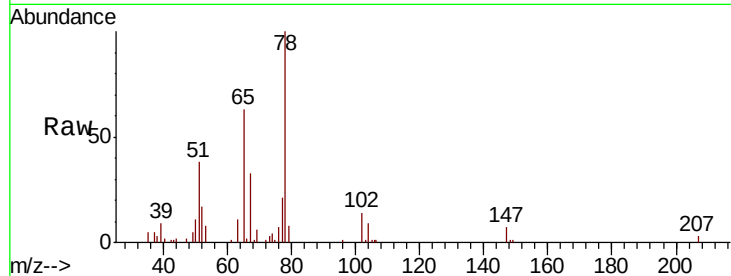




#33
 1,2-Dichloroethane-d4
 Concen: 3.661 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

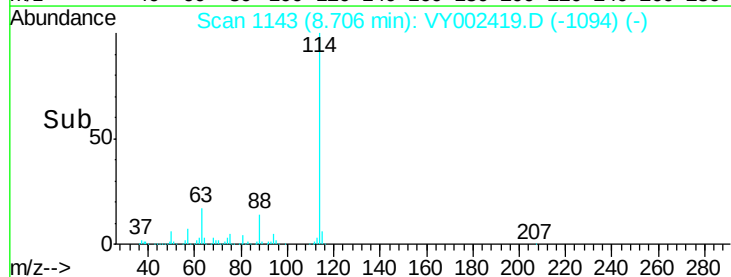
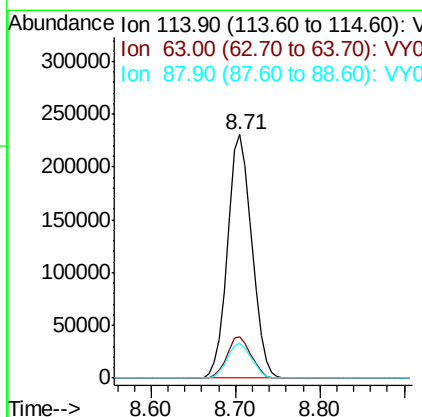
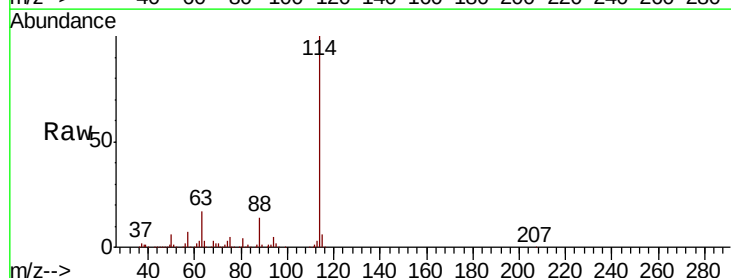
Instrument :
 MSVOA_Y
 ClientSampled :

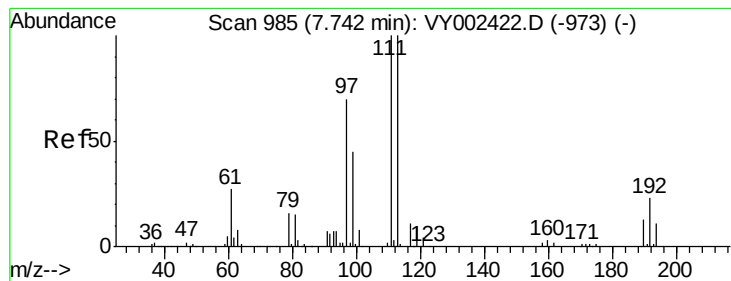
Tot Ion: 65 Resp: 11157
 Ion Ratio Lower Upper
 65 100
 67 57.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

Tgt Ion: 114 Resp: 452072
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 31.0
 88 14.3 0.0 28.2





#35

Dibromofluoromethane

Concen: 4.779 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

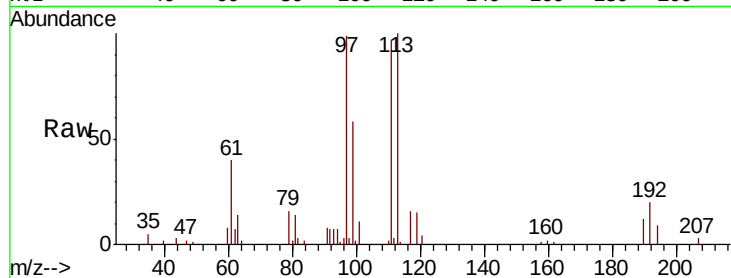
Tot Ion:113 Resp: 12611

Ion Ratio Lower Upper

113 100

111 104.2 81.7 122.5

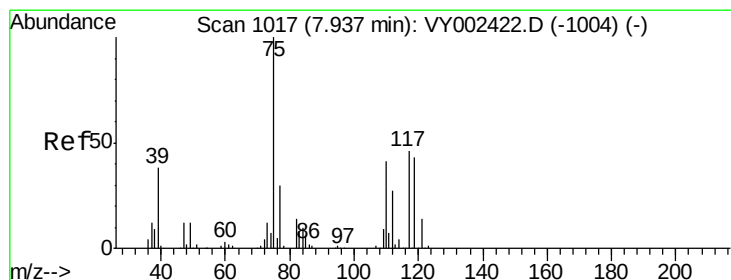
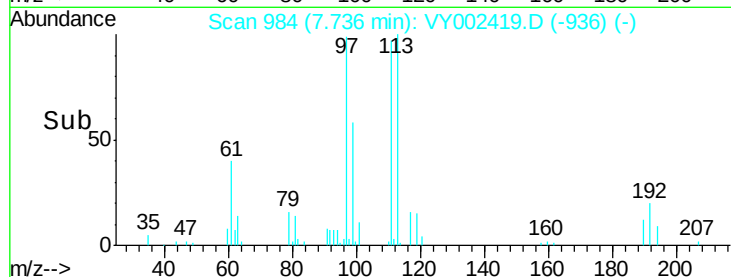
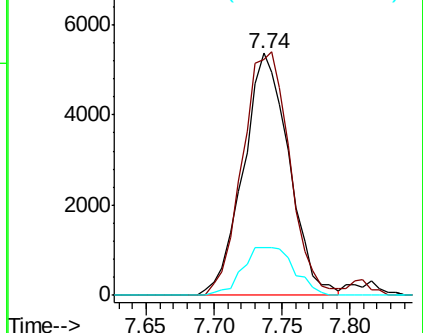
192 22.4 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.413 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

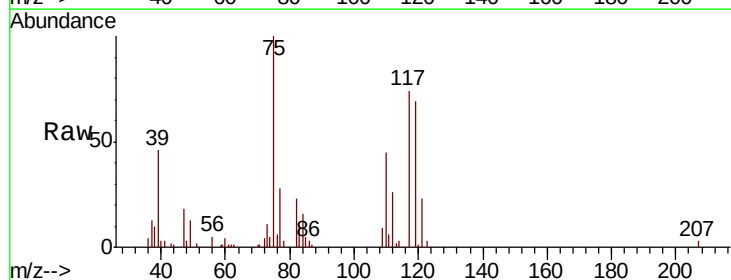
Tgt Ion: 75 Resp: 19124

Ion Ratio Lower Upper

75 100

110 40.1 20.4 61.2

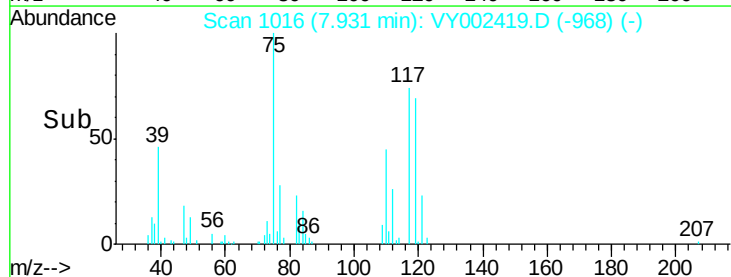
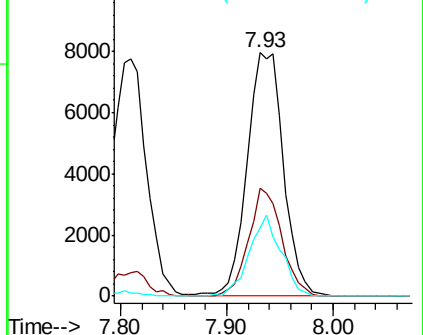
77 28.8 25.5 38.3

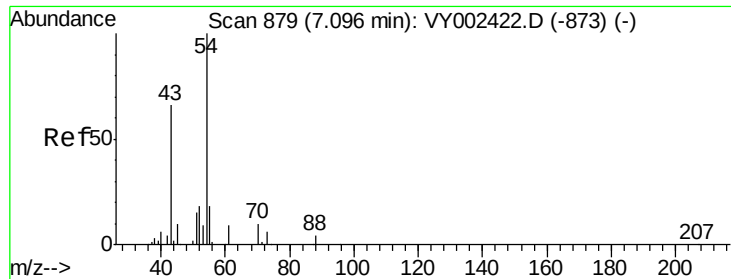


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

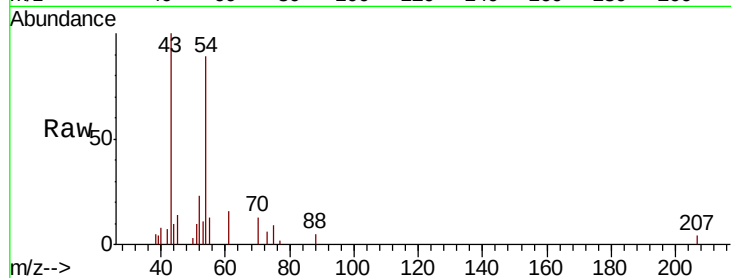




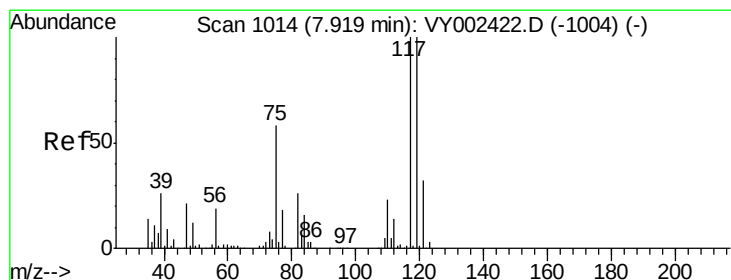
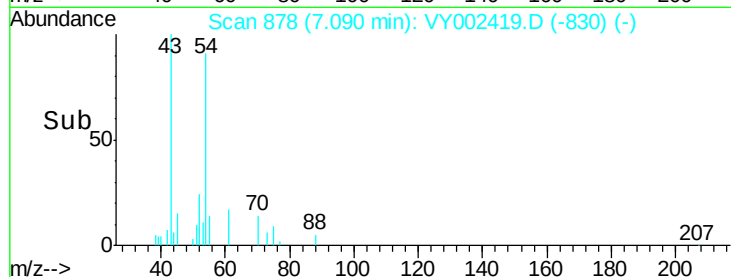
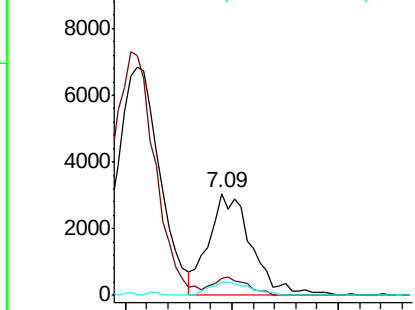
#37
Ethyl Acetate
Concen: 3.487 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 8465
Ion Ratio Lower Upper
43 100
61 14.3 13.5 20.3
70 12.4 10.6 16.0

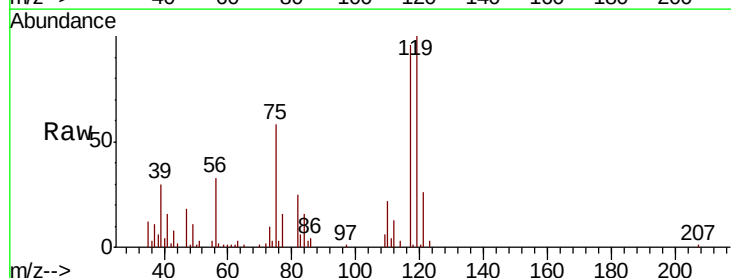


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

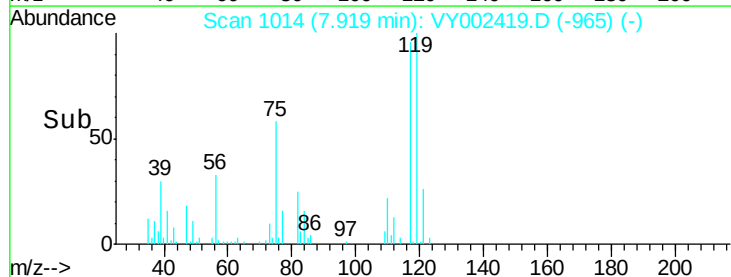
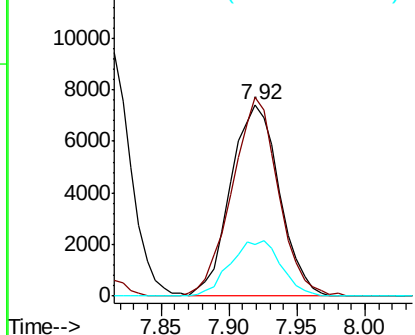


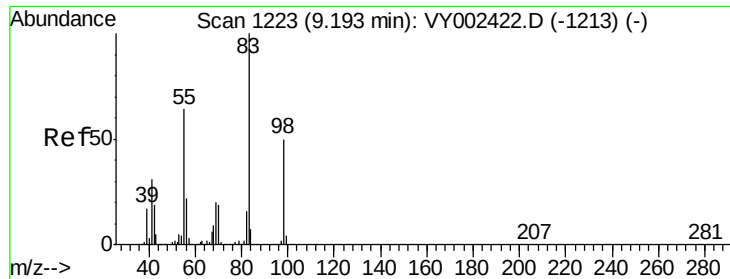
#38
Carbon Tetrachloride
Concen: 4.894 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion: 117 Resp: 18629
Ion Ratio Lower Upper
117 100
119 102.4 79.6 119.4
121 26.9 25.4 38.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

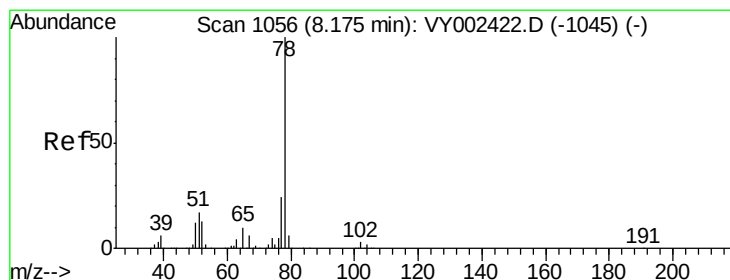
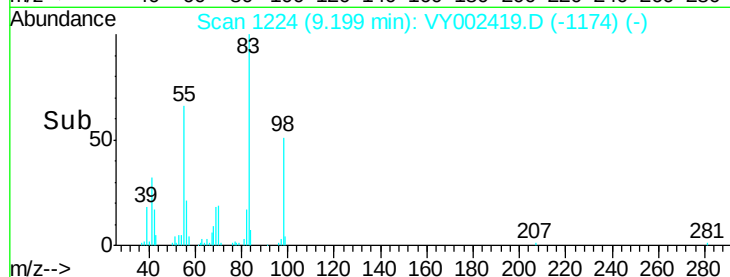
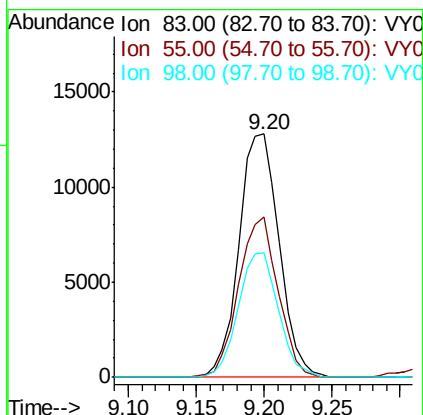
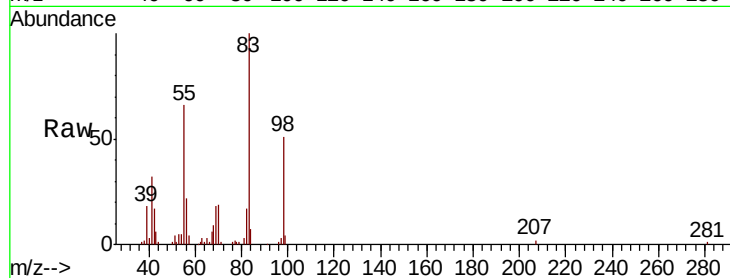




#39
Methylvlcyclohexane
Concen: 4.476 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

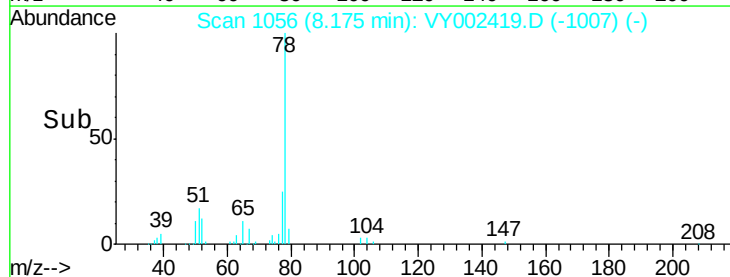
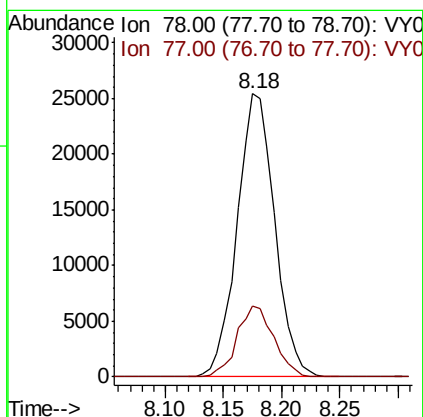
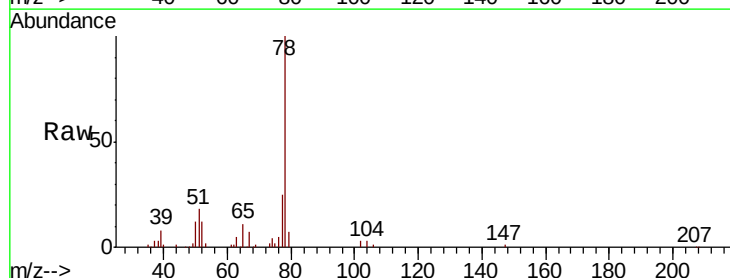
Instrument :
MSVOA_Y
ClientSampleId :

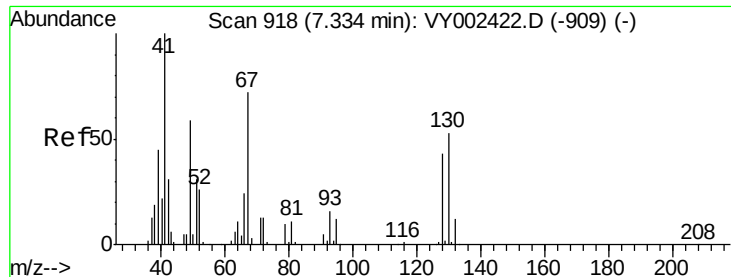
Tot Ion: 83 Resp: 26457
Ion Ratio Lower Upper
83 100
55 65.9 51.2 76.8
98 51.4 39.8 59.6



#40
Benzene
Concen: 4.333 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion: 78 Resp: 57121
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.4

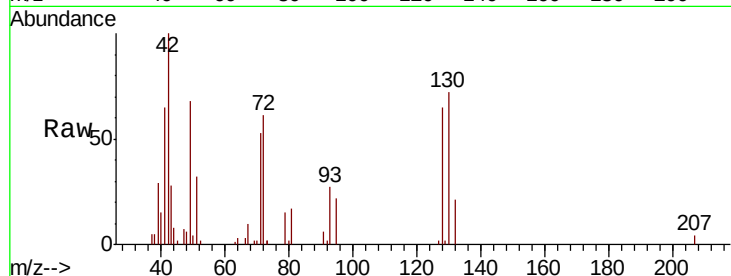




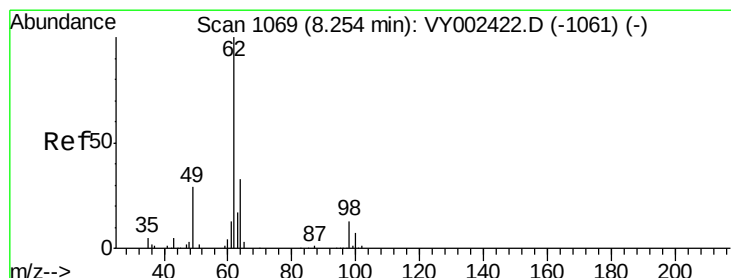
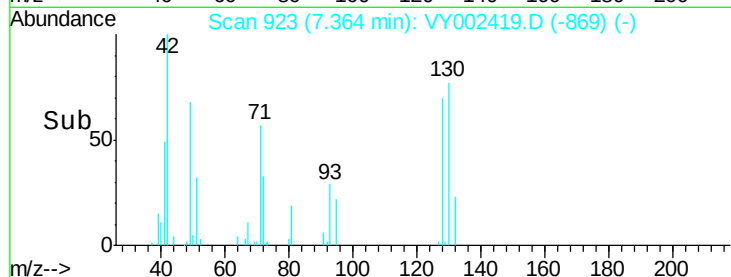
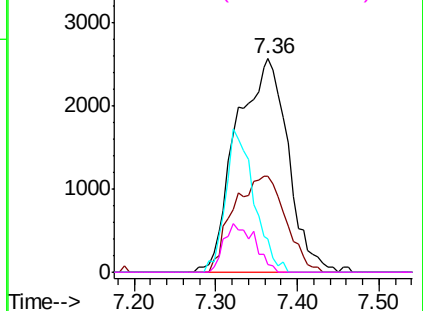
#41
Methacrylonitrile
Concen: 7.903 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.03 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	11277
Ion	Ratio	Lower	Upper
41	100		
39	45.3	99.0	148.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

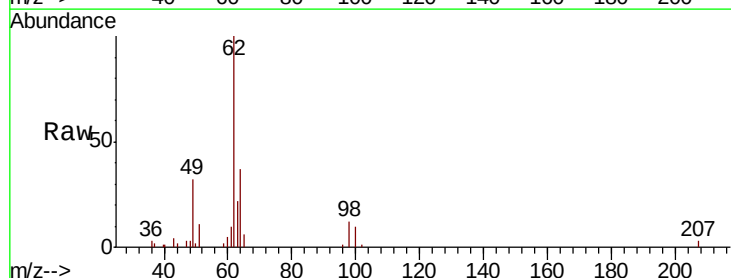


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

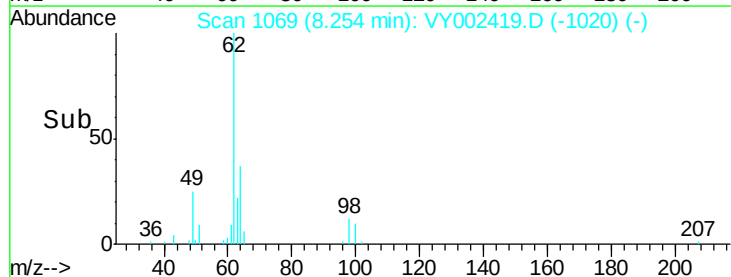
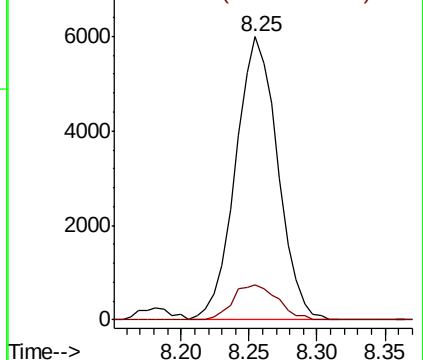


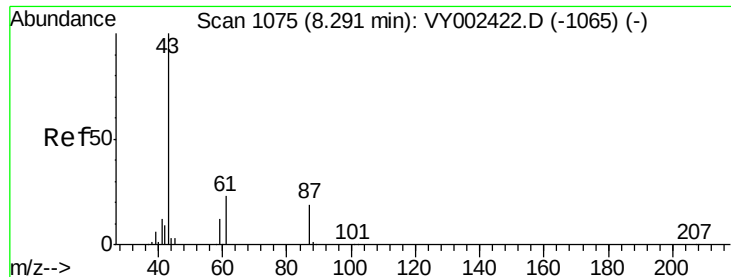
#42
1,2-Dichloroethane
Concen: 3.992 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion:	62	Resp:	12969
Ion	Ratio	Lower	Upper
62	100		
98	13.0	0.0	25.4



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





#43

Isopropyl Acetate

Concen: 3.445 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

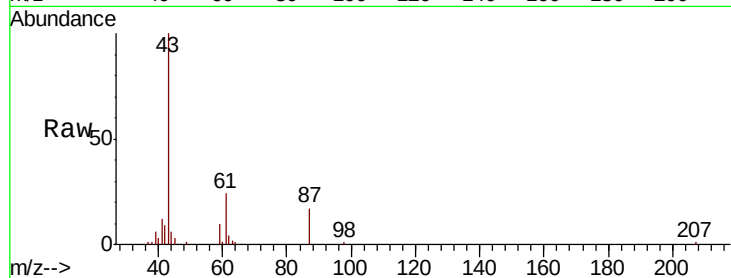
Tot Ion: 43 Resp: 15224

Ion Ratio Lower Upper

43 100

61 34.1 27.7 41.5

87 17.6 14.5 21.7



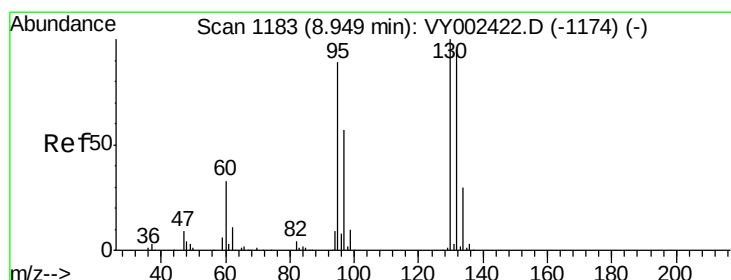
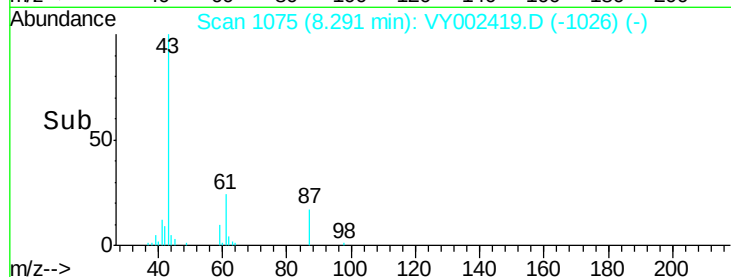
Abundance Ion 43.00 (42.70 to 43.70): VY002422.D (-1065) (-)

Ion 61.00 (60.70 to 61.70): VY002422.D (-1065) (-)

Ion 87.00 (86.70 to 87.70): VY002422.D (-1065) (-)

8.29

Time-->



#44

Trichloroethene

Concen: 4.759 ug/l

RT: 8.96 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VY002419.D

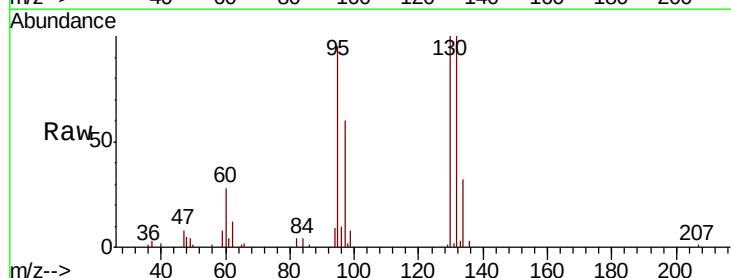
Acq: 20 Apr 2020 12:50

Tgt Ion: 130 Resp: 18912

Ion Ratio Lower Upper

130 100

95 94.8 0.0 178.4

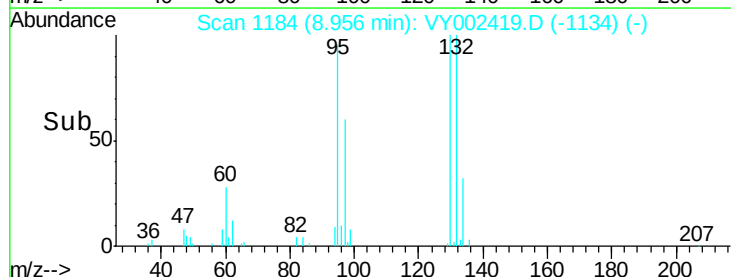


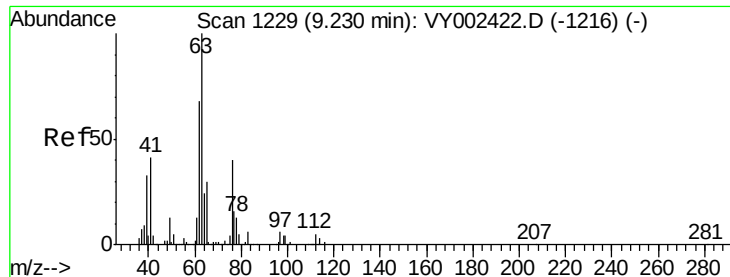
Abundance Ion 129.80 (129.50 to 130.50): VY002422.D (-1174) (-)

Ion 94.90 (94.60 to 95.60): VY002422.D (-1174) (-)

8.96

Time-->

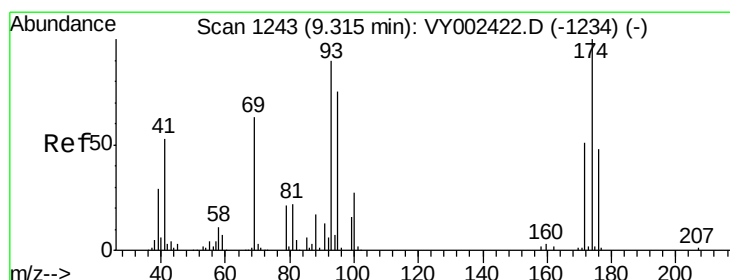
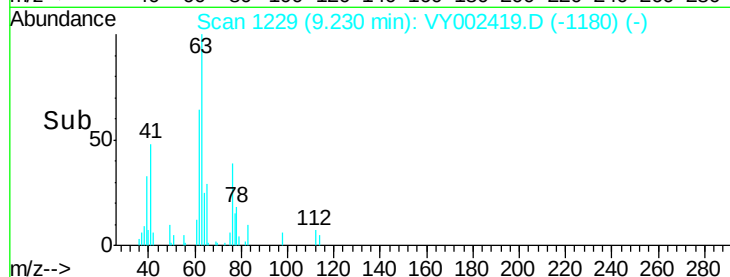
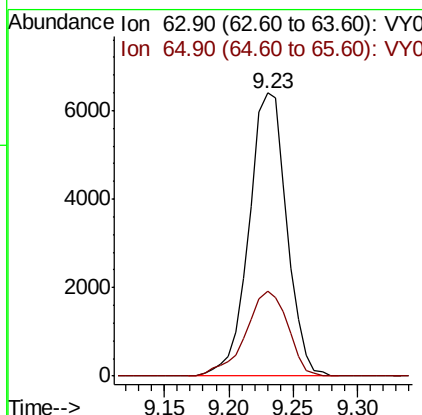
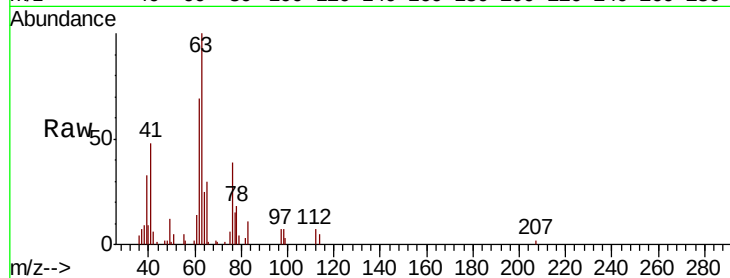




#45
 1,2-Dichloropropane
 Concen: 4.011 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

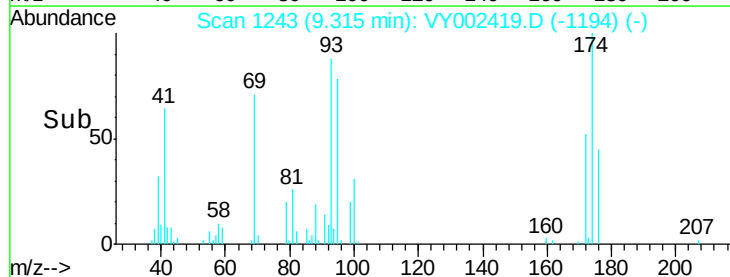
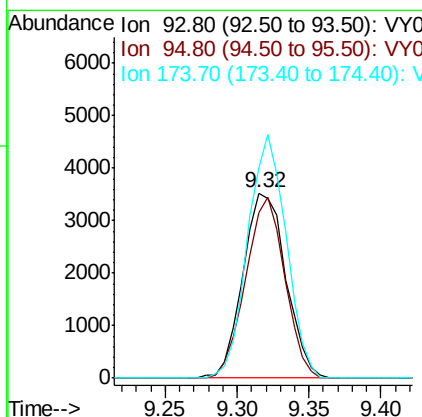
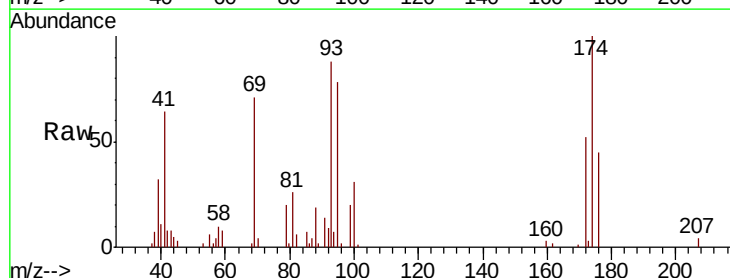
Instrument :
 MSVOA_Y
 ClientSampleId :

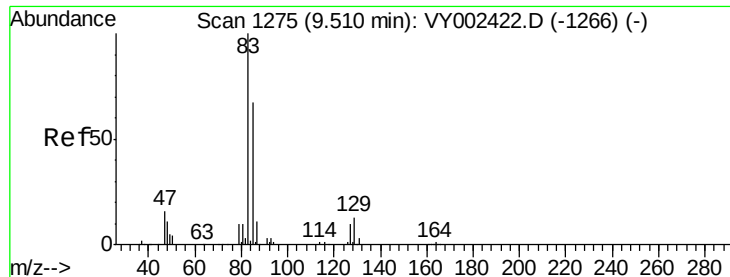
Tot Ion: 63 Resp: 12947
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.2 36.2



#46
 Dibromomethane
 Concen: 4.234 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

Tgt Ion: 93 Resp: 7279
 Ion Ratio Lower Upper
 93 100
 95 88.8 67.5 101.3
 174 117.8 94.5 141.7





#47

Bromodichloromethane

Concen: 4.189 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

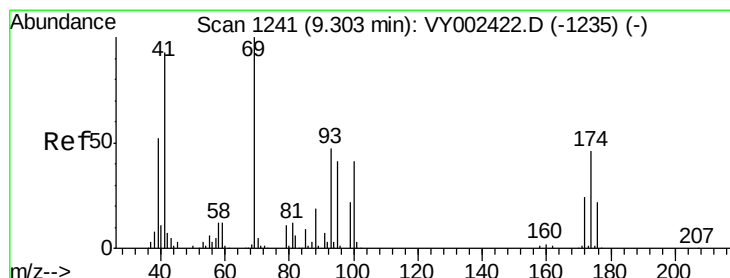
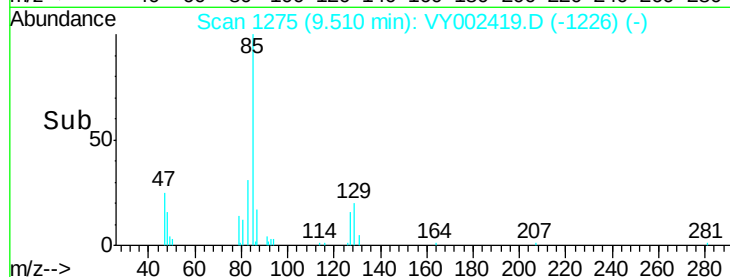
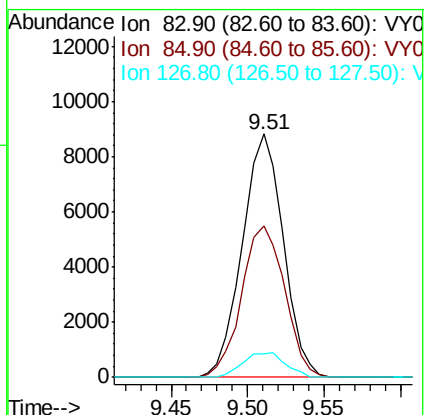
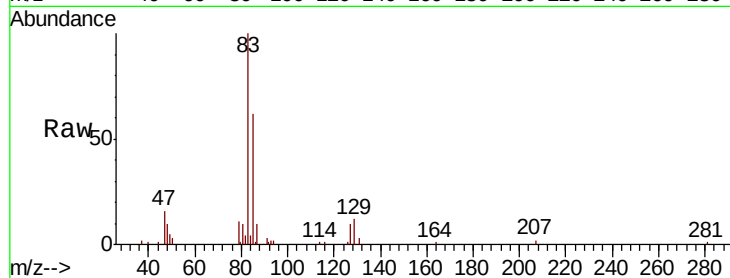
Tot Ion: 83 Resp: 16480

Ion Ratio Lower Upper

83 100

85 62.0 53.4 80.2

127 9.7 7.8 11.6



#48

Methyl methacrylate

Concen: 3.438 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

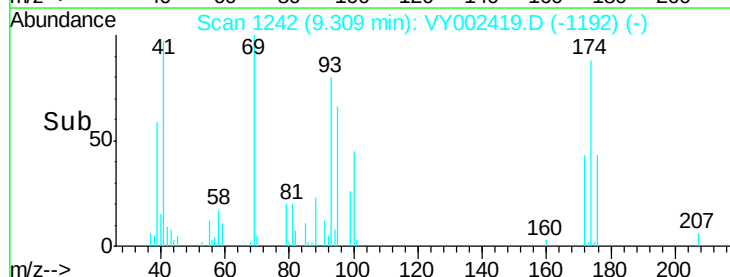
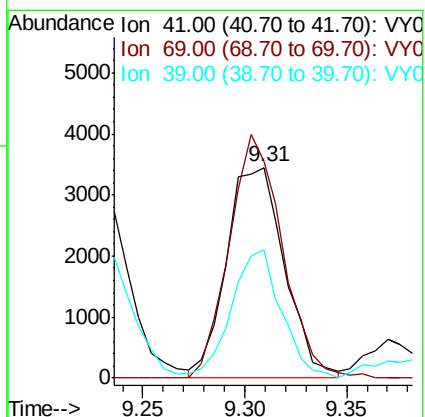
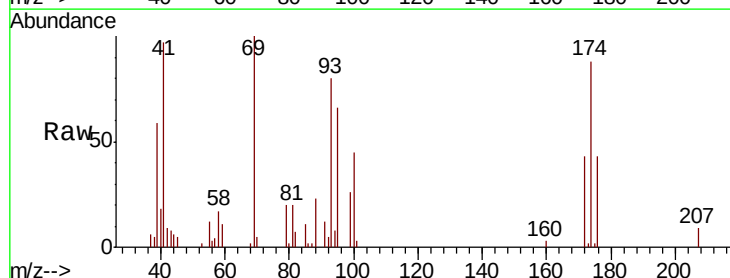
Tgt Ion: 41 Resp: 6822

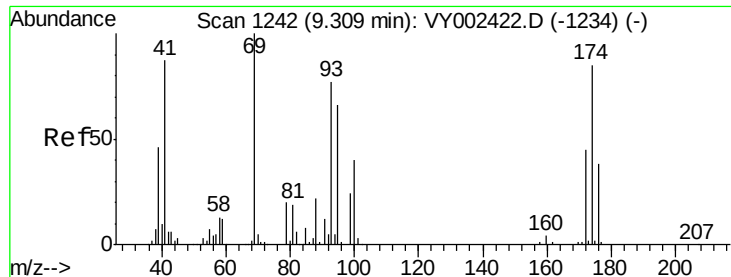
Ion Ratio Lower Upper

41 100

69 106.0 87.9 131.9

39 52.7 43.5 65.3





#49

1,4-Dioxane

Concen: 82.811 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

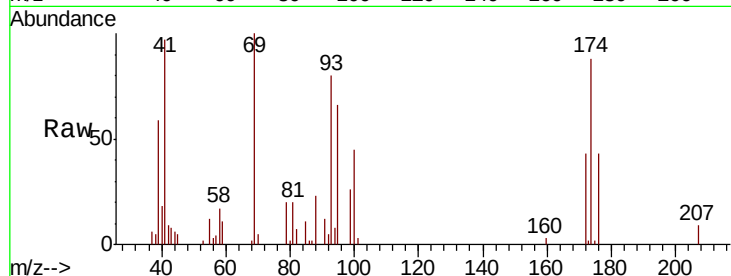
Tot Ion: 88 Resp: 2024

Ion Ratio Lower Upper

88 100

43 31.4 19.0 28.6#

58 57.7 44.8 67.2

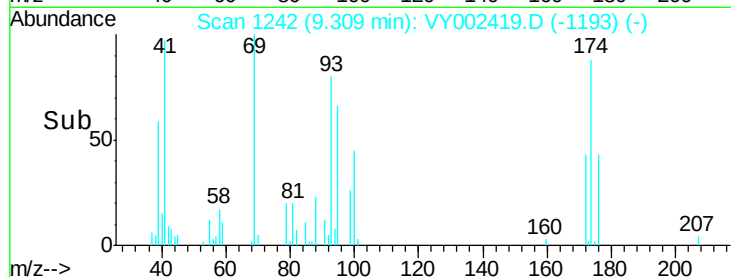


Abundance Ion 88.00 (87.70 to 88.70): VY002422.D (-1234) (-)

Ion 43.00 (42.70 to 43.70): VY002422.D (-1234) (-)

Ion 58.00 (57.70 to 58.70): VY002422.D (-1234) (-)

Time-->

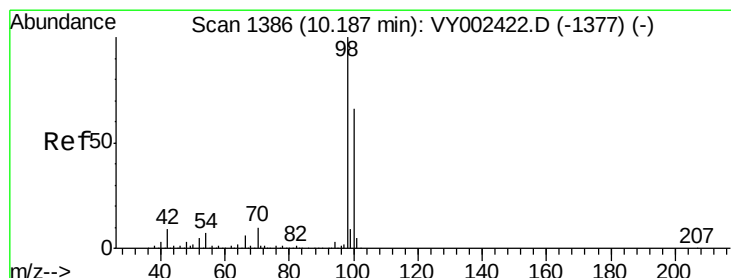


Abundance Ion 88.00 (87.70 to 88.70): VY002419.D (-1193) (-)

Ion 43.00 (42.70 to 43.70): VY002419.D (-1193) (-)

Ion 58.00 (57.70 to 58.70): VY002419.D (-1193) (-)

Time-->



#50

Toluene-d8

Concen: 4.784 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002419.D

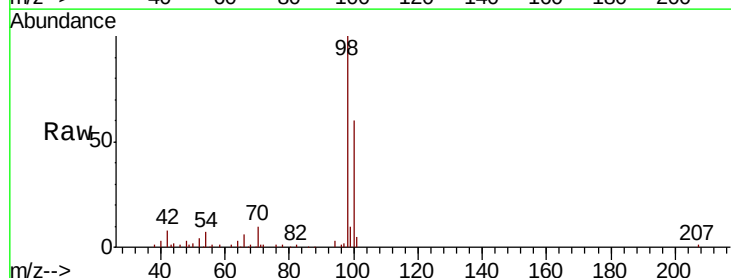
Acq: 20 Apr 2020 12:50

Tgt Ion: 98 Resp: 52374

Ion Ratio Lower Upper

98 100

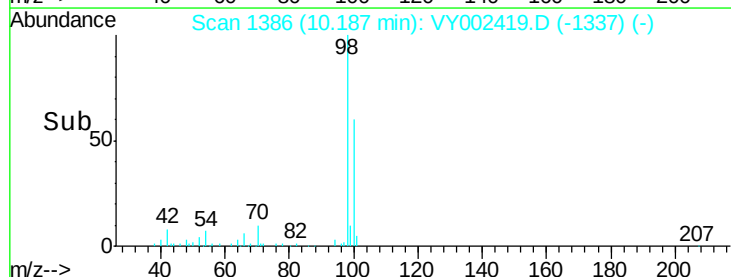
100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY002422.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY002422.D (-1377) (-)

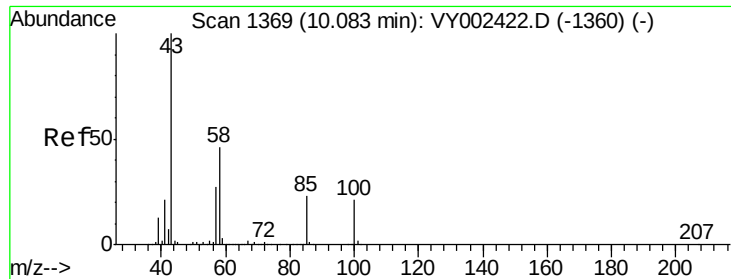
Time-->



Abundance Ion 98.00 (97.70 to 98.70): VY002419.D (-1337) (-)

Ion 100.00 (99.70 to 100.70): VY002419.D (-1337) (-)

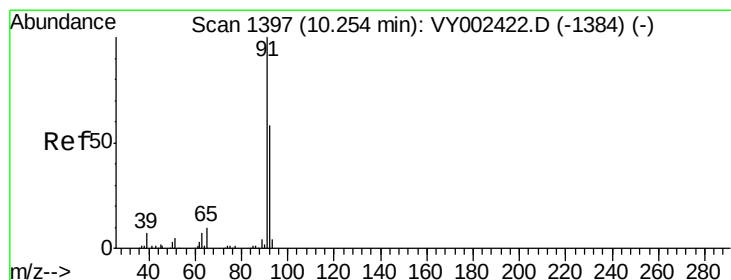
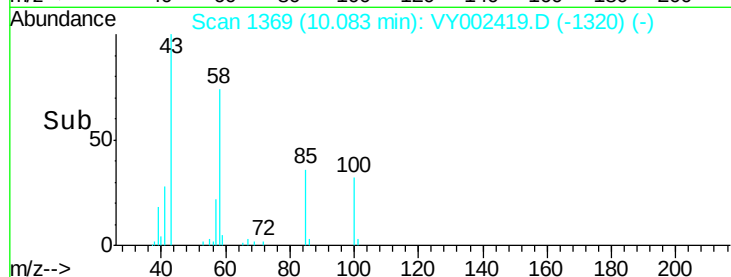
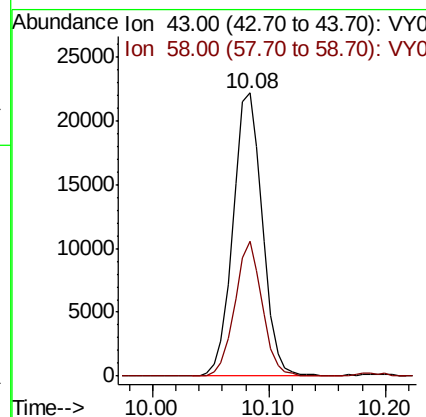
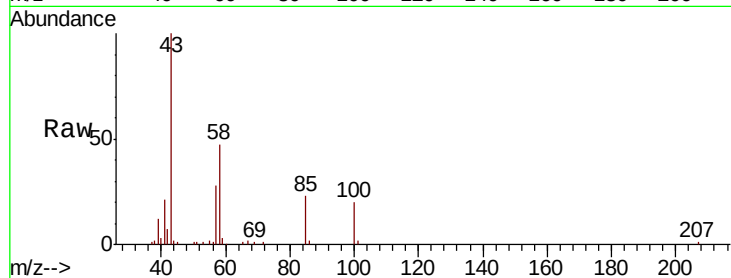
Time-->



#51
4-Methyl-2-Pentanone
Concen: 16.849 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

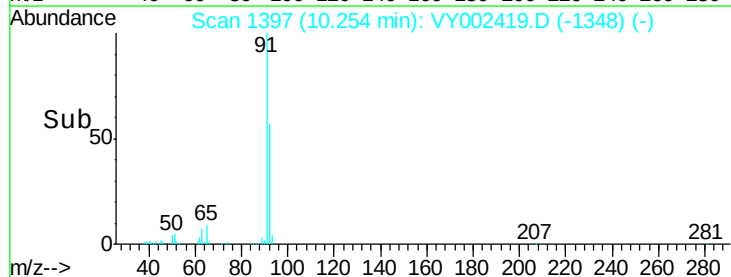
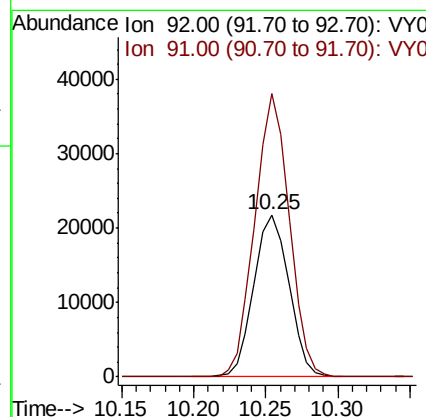
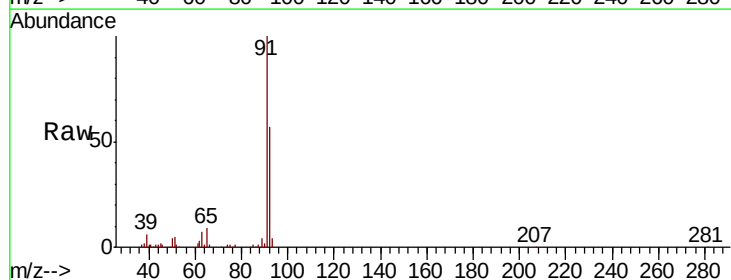
Instrument :
MSVOA_Y
ClientSampled :

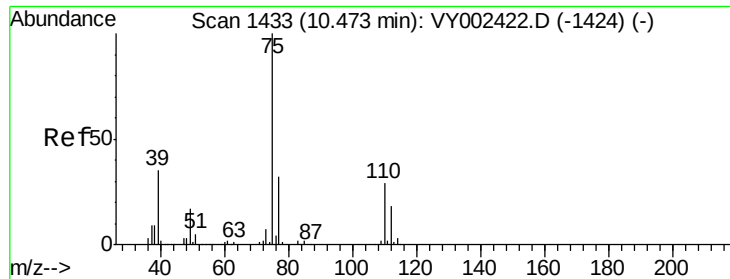
Tot Ion: 43 Resp: 38956
Ion Ratio Lower Upper
43 100
58 44.1 36.8 55.2



#52
Toluene
Concen: 4.610 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion: 92 Resp: 36818
Ion Ratio Lower Upper
92 100
91 171.0 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 4.084 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

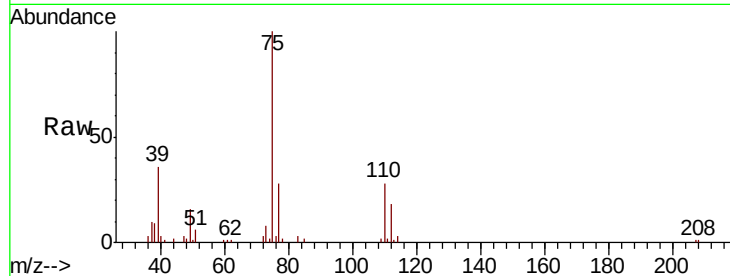
ClientSampleId :

Tot Ion: 75 Resp: 17424

Ion Ratio Lower Upper

75 100

77 28.0 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

12000

10000

8000

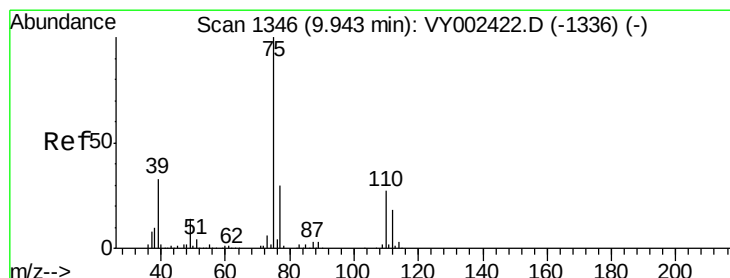
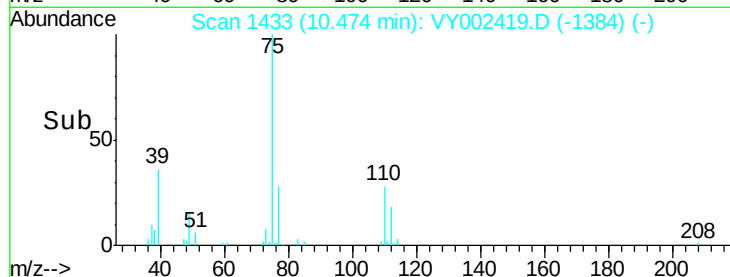
6000

4000

2000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.007 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

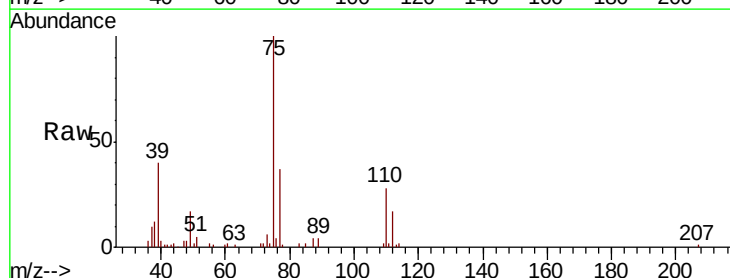
Tgt Ion: 75 Resp: 20542

Ion Ratio Lower Upper

75 100

77 37.3 24.2 36.4#

39 39.8 26.6 40.0



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

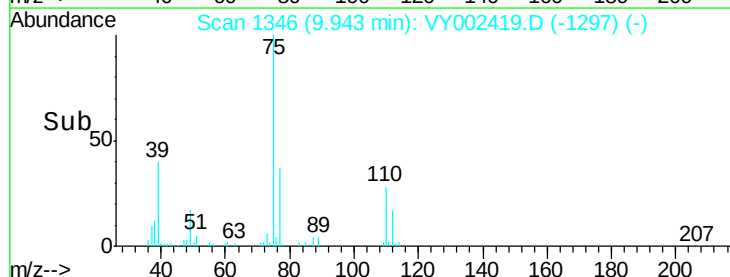
15000

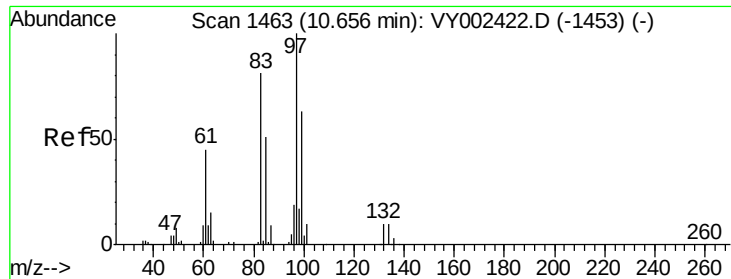
10000

5000

0

Time-->

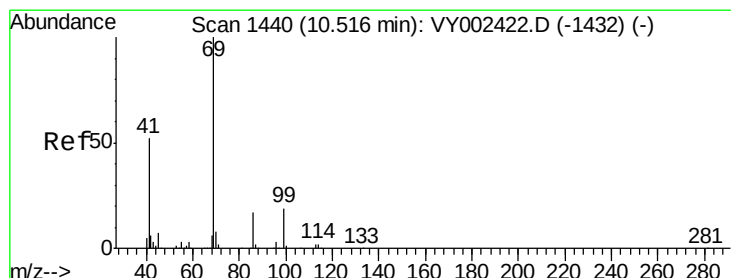
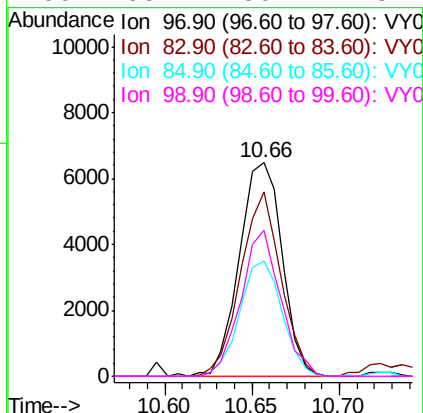
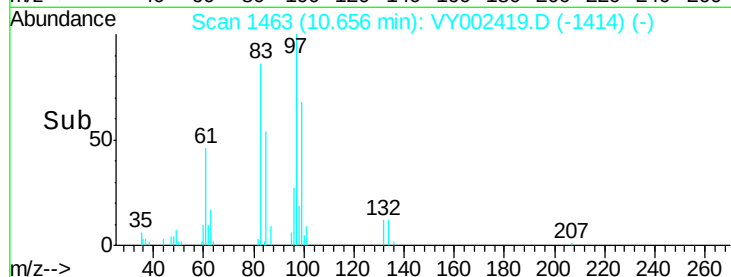
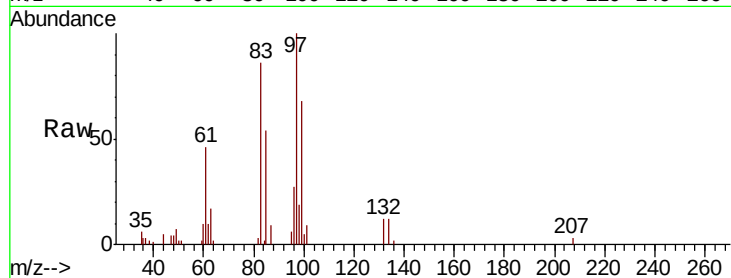




#55
 1,1,2-Trichloroethane
 Concen: 4.403 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

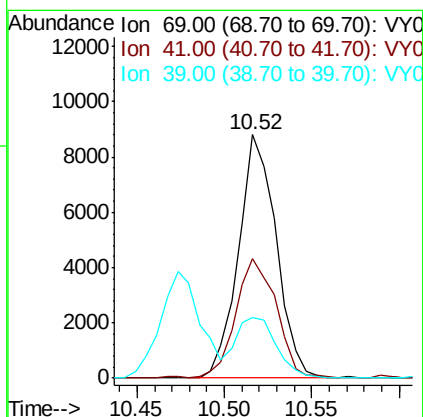
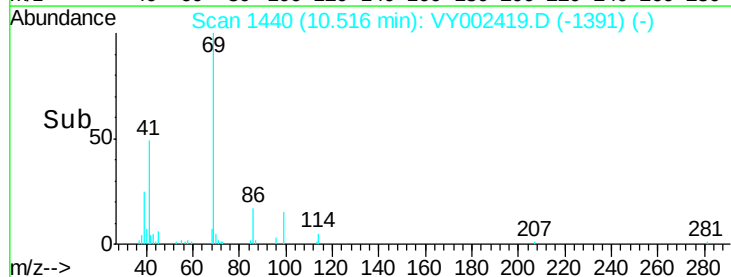
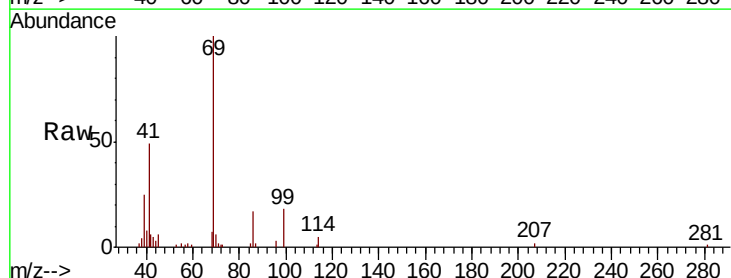
Instrument :
 MSVOA_Y
 ClientSampleId :

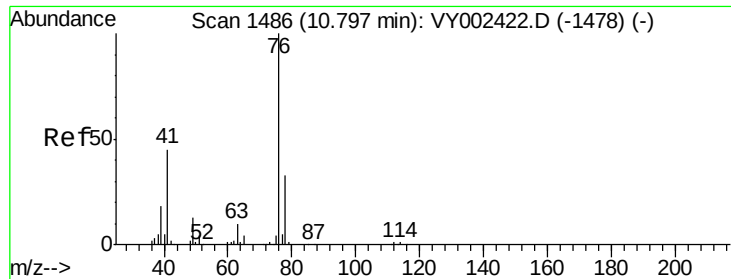
Tot Ion:	97	Resp:	11099
Ion	Ratio	Lower	Upper
97	100		
83	86.4	64.6	96.8
85	53.9	41.1	61.7
99	68.1	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 3.716 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

Tgt Ion:	69	Resp:	13172
Ion	Ratio	Lower	Upper
69	100		
41	53.1	42.0	63.0
39	27.1	21.2	31.8

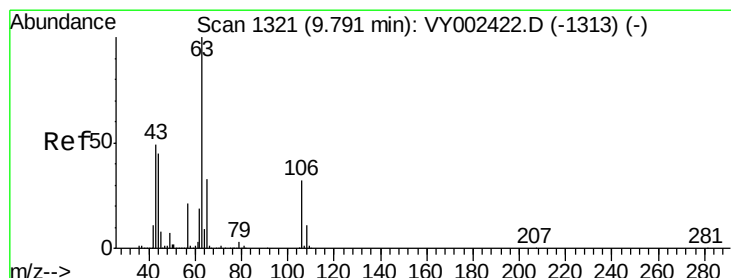
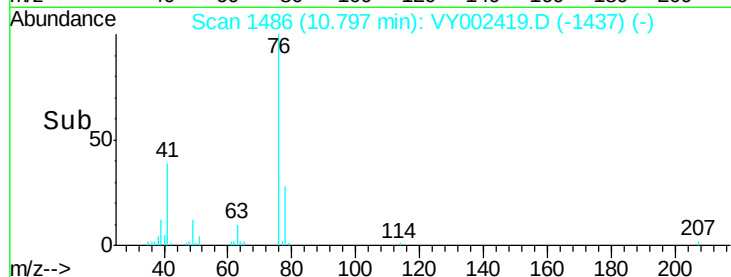
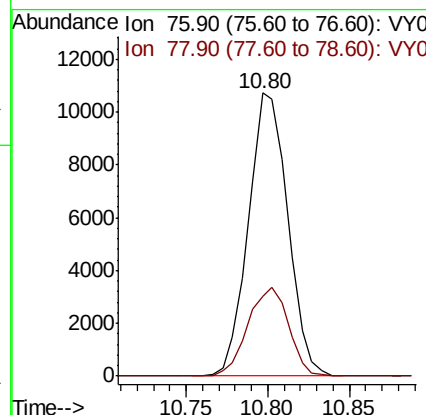
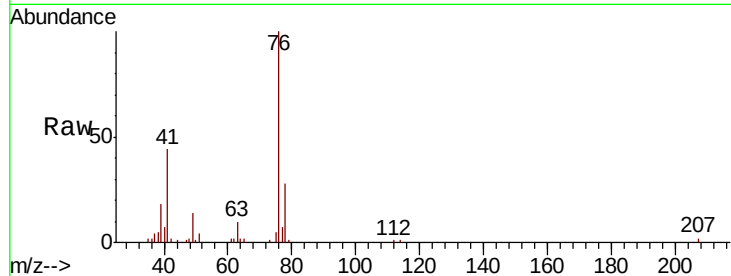




#57
 1,3-Dichloropropane
 Concen: 4.121 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

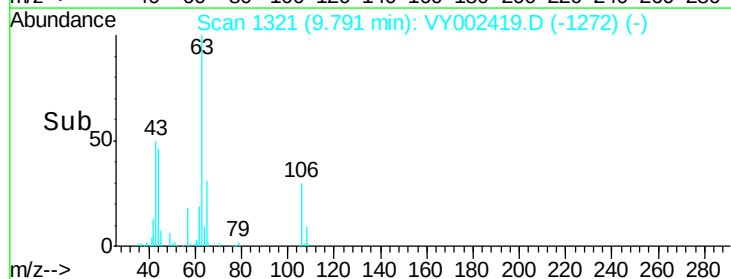
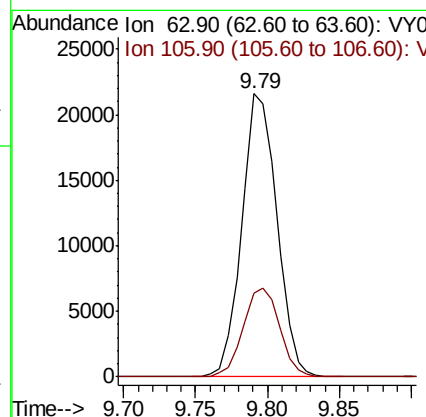
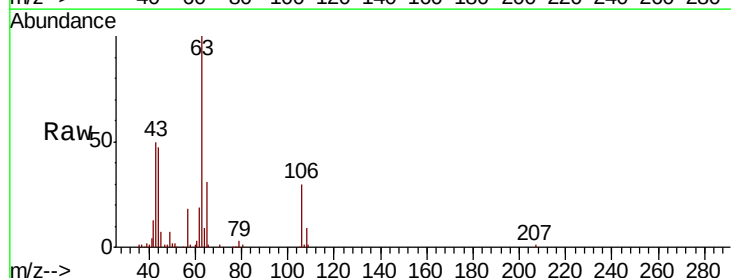
Instrument :
 MSVOA_Y
 ClientSampled :

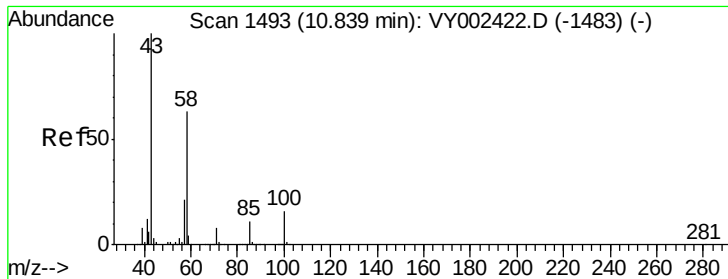
Tot Ion: 76 Resp: 18073
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.822 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

Tgt Ion: 63 Resp: 36455
 Ion Ratio Lower Upper
 63 100
 106 32.3 26.2 39.4

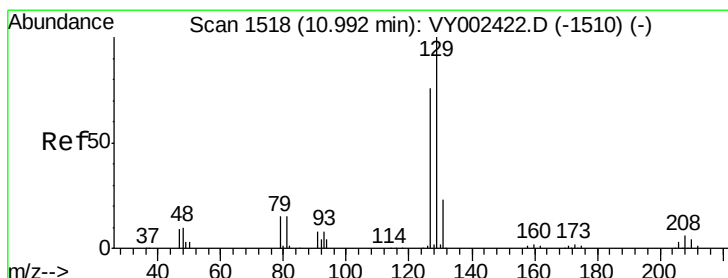
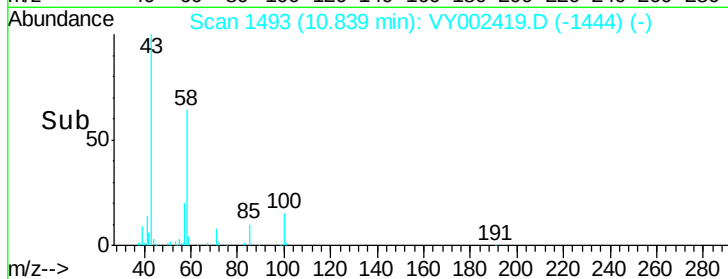
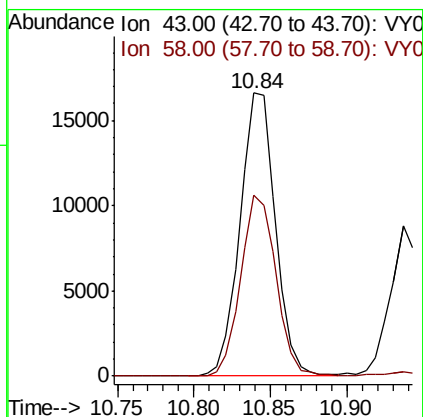
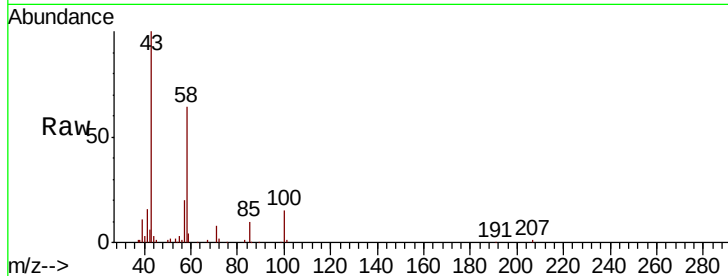




#59
2-Hexanone
Concen: 16.715 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

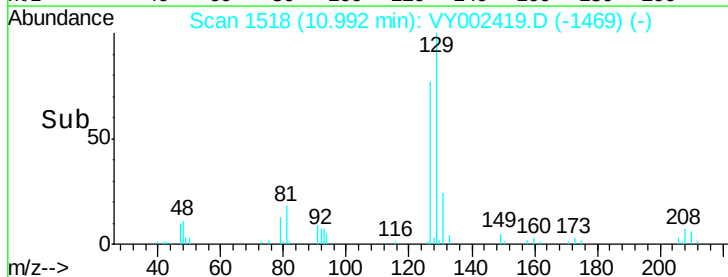
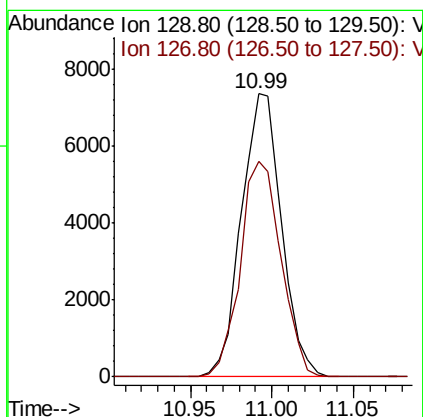
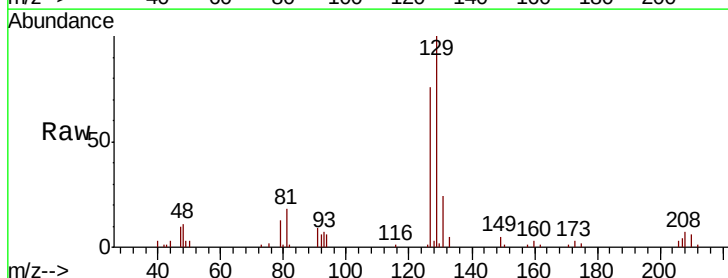
Instrument :
MSVOA_Y
ClientSampleId :

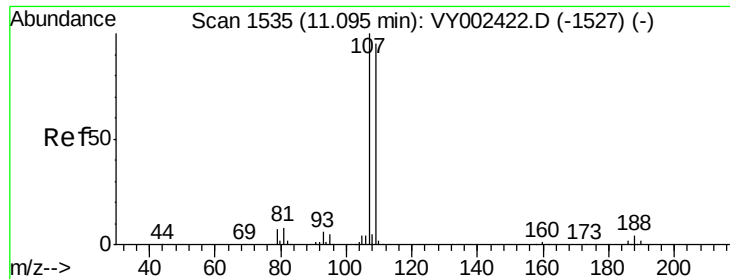
Tot Ion: 43 Resp: 26801
Ion Ratio Lower Upper
43 100
58 63.4 32.5 97.4



#60
Dibromochloromethane
Concen: 4.588 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion: 129 Resp: 12574
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.7

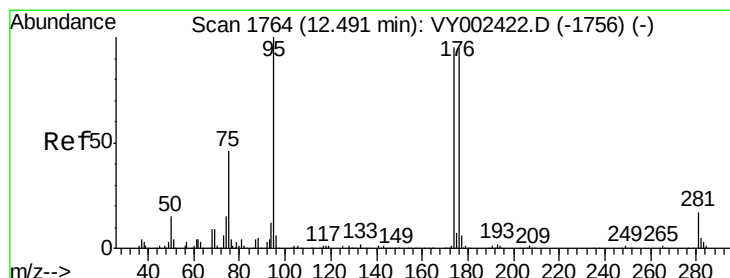
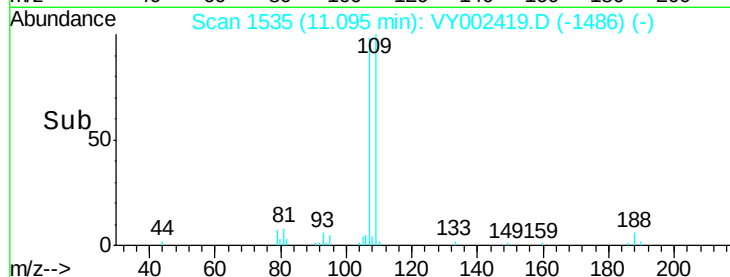
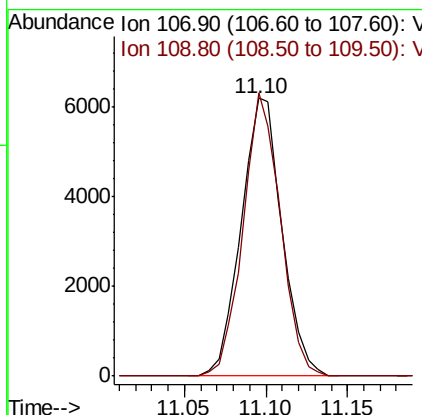
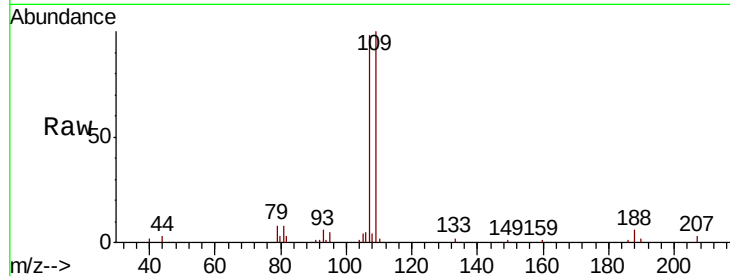




#61
 1,2-Dibromoethane
 Concen: 4.468 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

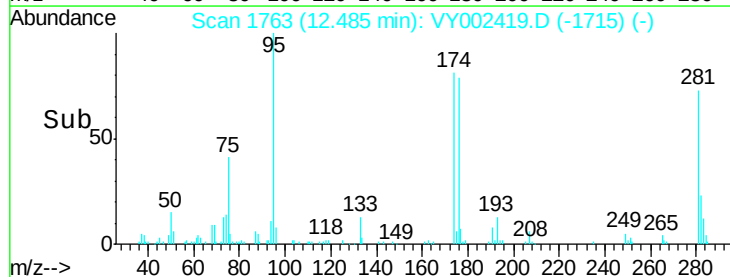
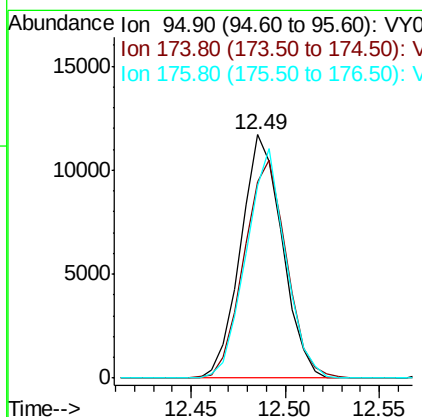
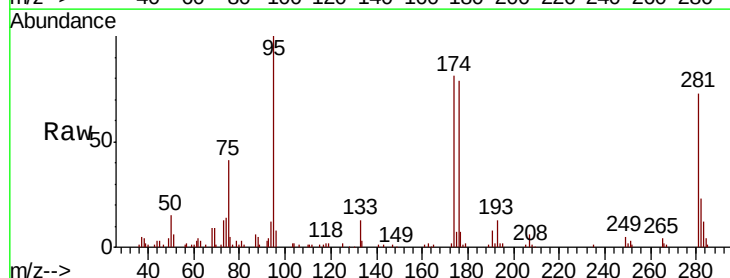
Instrument :
 MSVOA_Y
 ClientSampleId :

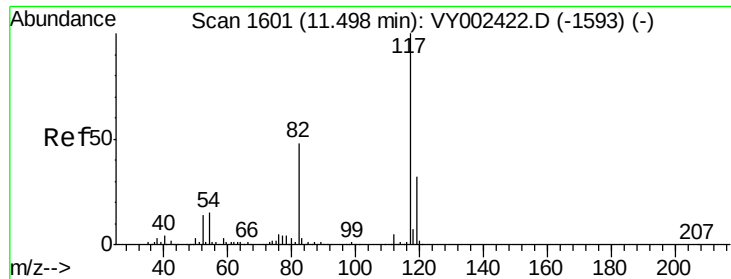
Tot Ion:107 Resp: 10786
 Ion Ratio Lower Upper
 107 100
 109 92.9 76.4 114.6



#62
 4-Bromofluorobenzene
 Concen: 4.957 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

Tgt Ion: 95 Resp: 17855
 Ion Ratio Lower Upper
 95 100
 174 91.6 0.0 185.8
 176 89.5 0.0 181.2

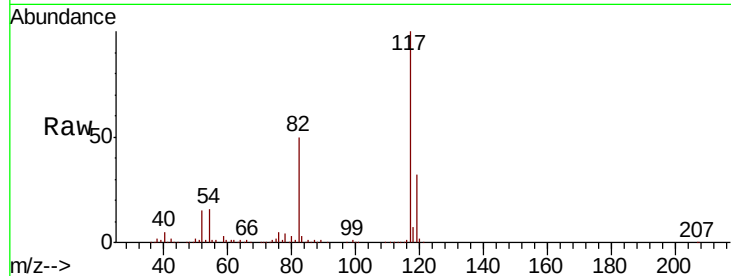




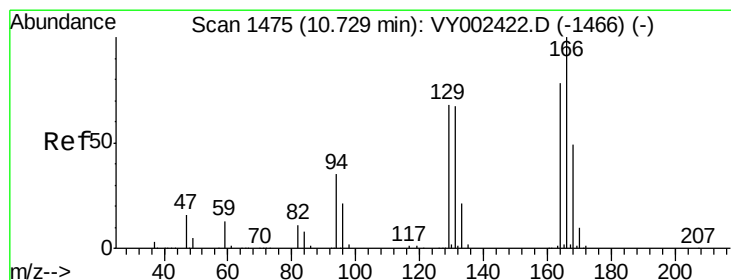
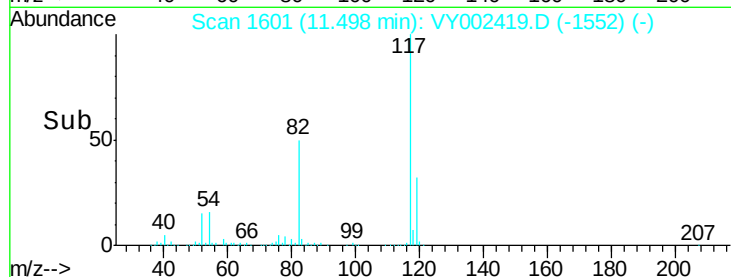
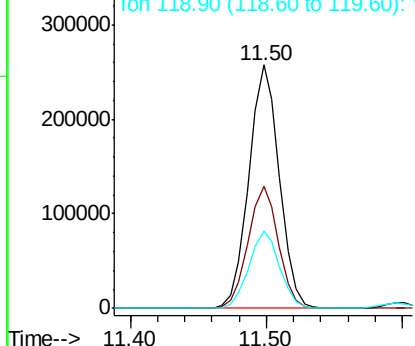
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 403205
Ion Ratio Lower Upper
117 100
82 50.0 38.4 57.6
119 31.7 25.3 37.9

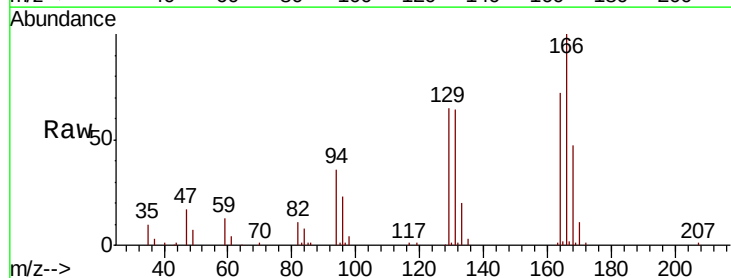


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

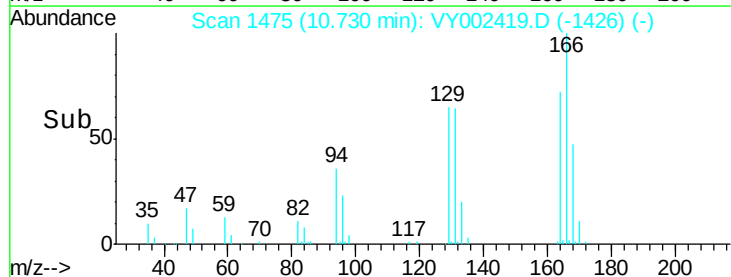
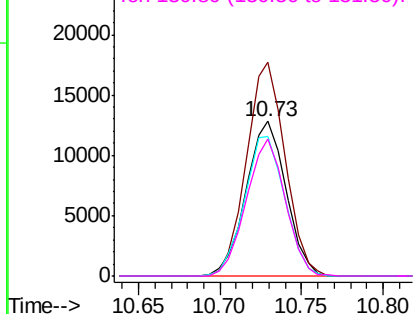


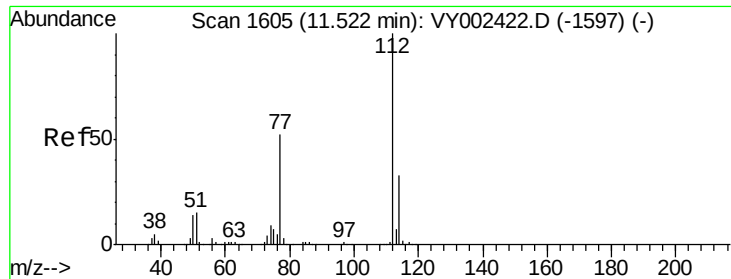
#64
Tetrachloroethene
Concen: 5.285 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion:164 Resp: 21827
Ion Ratio Lower Upper
164 100
166 138.3 102.4 153.6
129 90.5 70.1 105.1
131 88.4 68.6 102.8



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

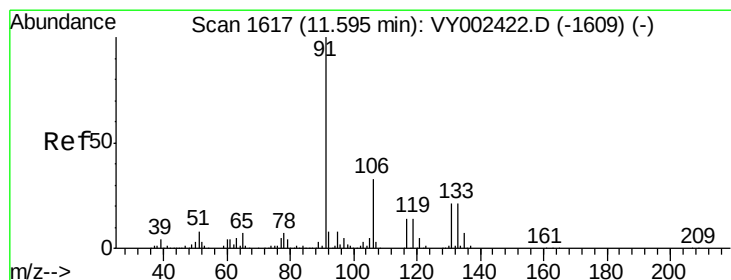
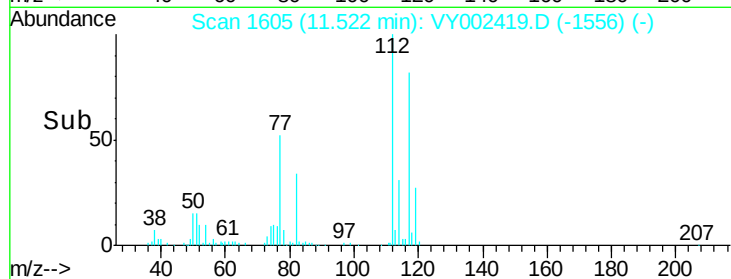
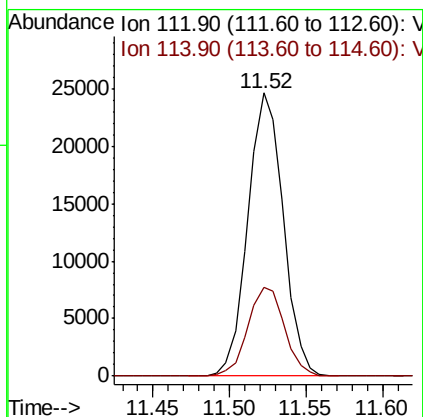
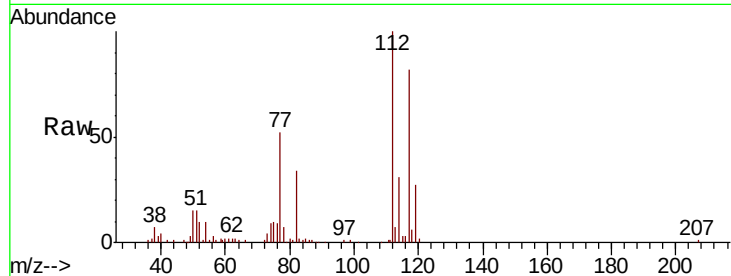




#65
Chlorobenzene
Concen: 4.771 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

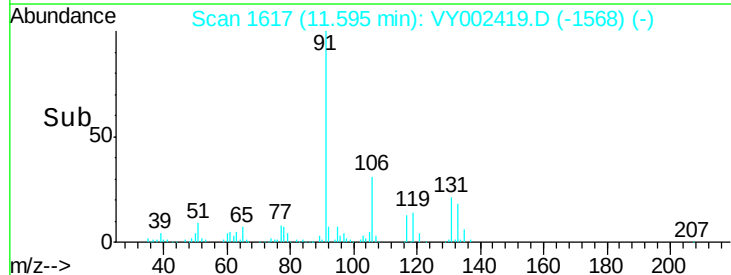
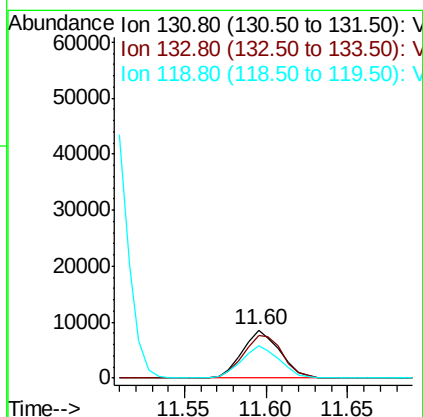
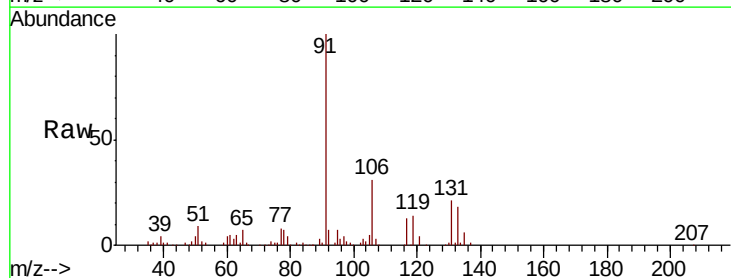
Instrument :
MSVOA_Y
ClientSampled :

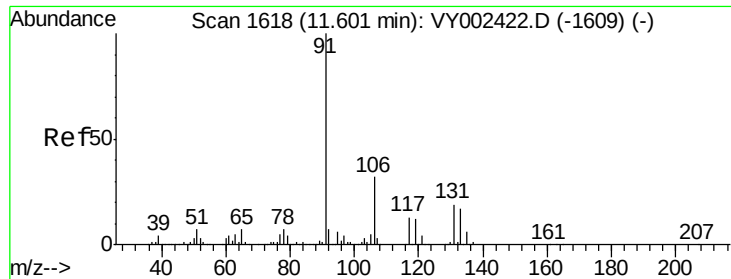
Tot Ion:112 Resp: 39604
Ion Ratio Lower Upper
112 100
114 31.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 4.972 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion:131 Resp: 13741
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.8
119 67.8 33.5 100.4

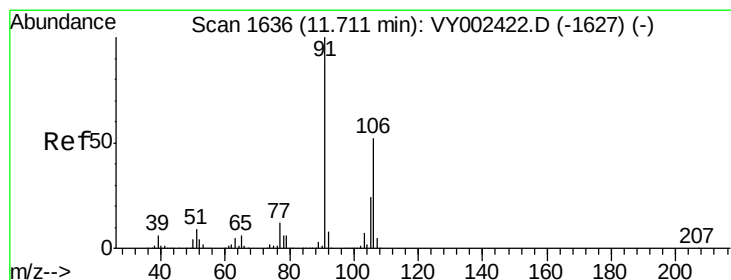
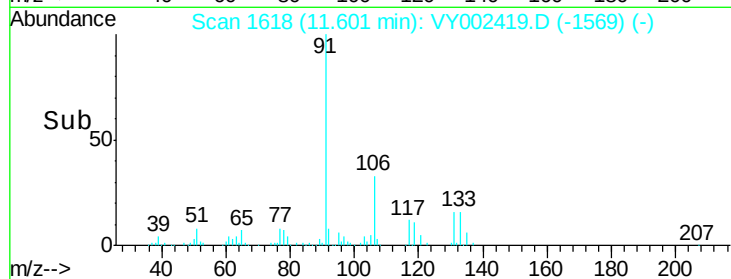
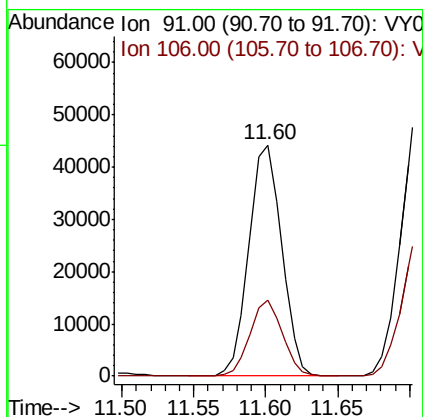
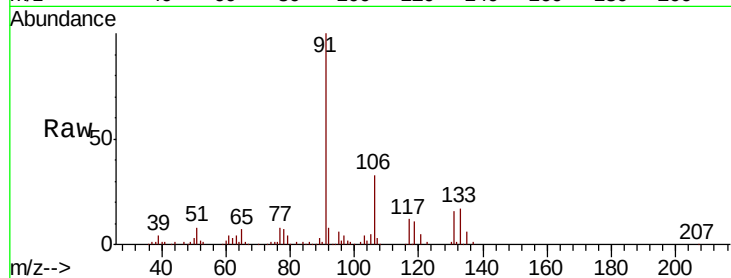




#67
Ethyl Benzene
Concen: 4.639 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

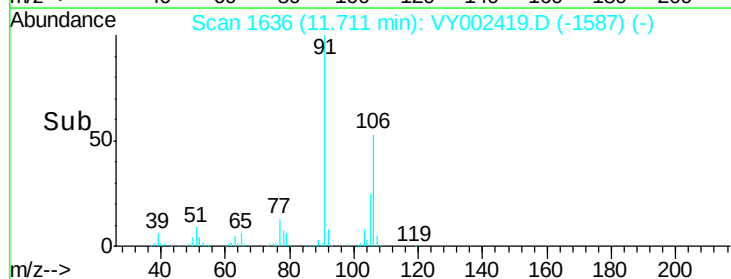
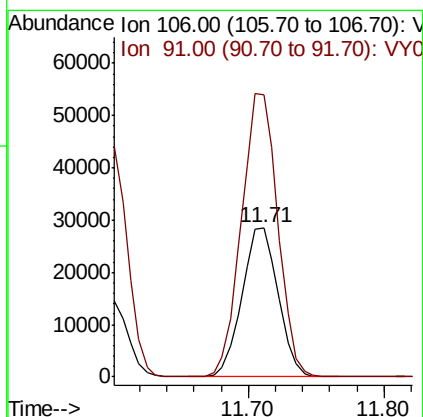
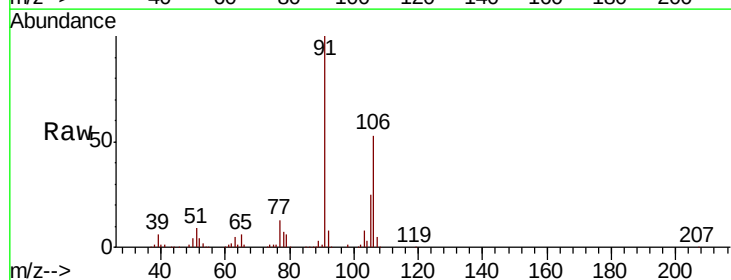
Instrument :
MSVOA_Y
ClientSampled :

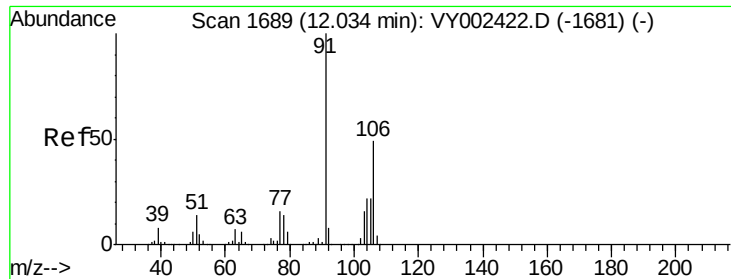
Tot Ion: 91 Resp: 69793
Ion Ratio Lower Upper
91 100
106 32.7 25.8 38.8



#68
m/p-Xylenes
Concen: 9.358 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion: 106 Resp: 53072
Ion Ratio Lower Upper
106 100
91 190.8 153.6 230.4

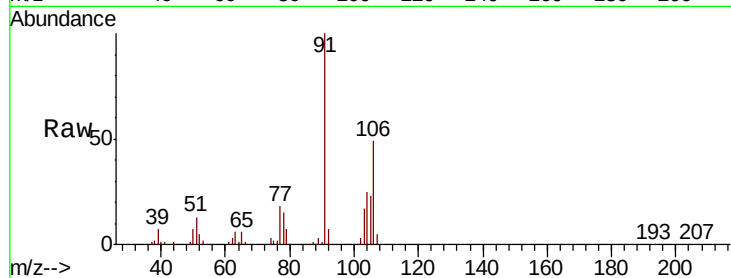




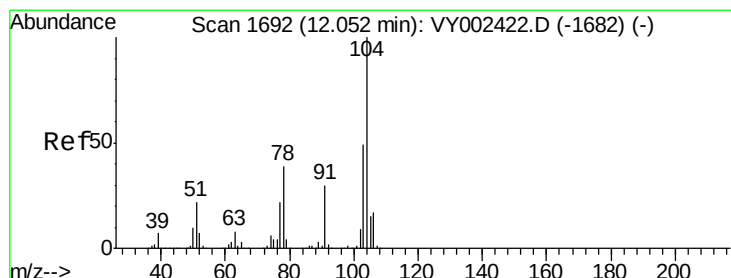
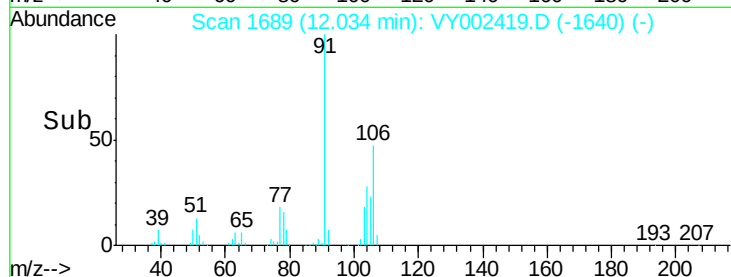
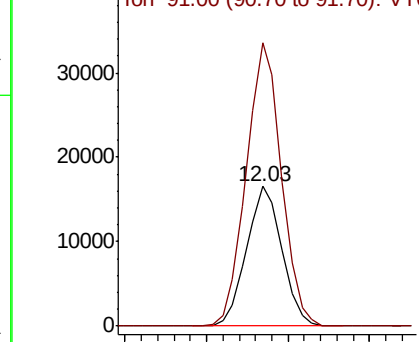
#69
o-Xylene
Concen: 4.696 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 25001
Ion Ratio Lower Upper
106 100
91 201.6 100.4 301.2

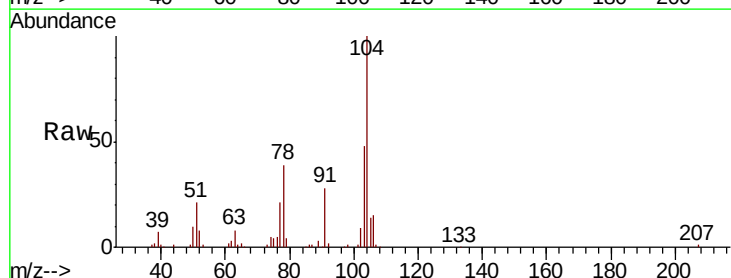


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

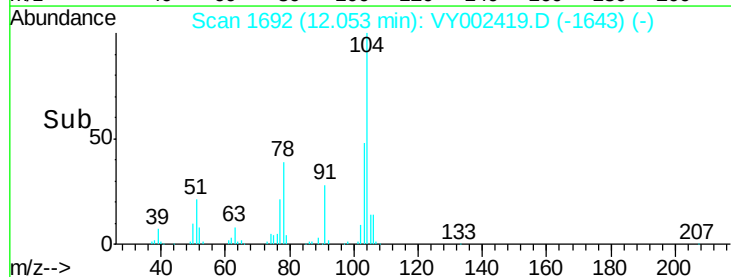
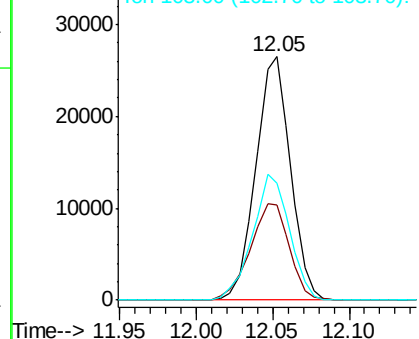


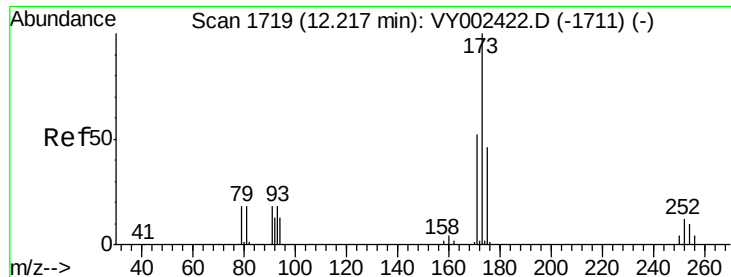
#70
Styrene
Concen: 4.544 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion:104 Resp: 41917
Ion Ratio Lower Upper
104 100
78 44.2 34.5 51.7
103 54.9 43.4 65.2



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





#71

Bromoform

Concen: 5.133 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

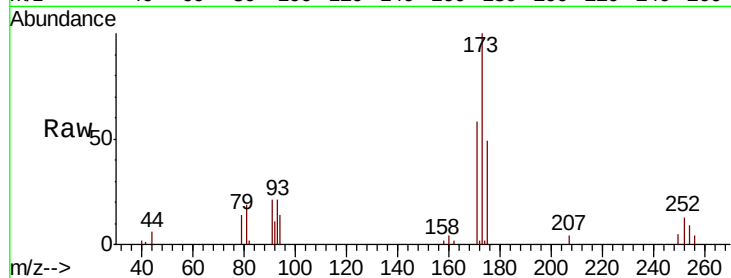
Tot Ion:173 Resp: 7867

Ion Ratio Lower Upper

173 100

175 48.7 23.9 71.7

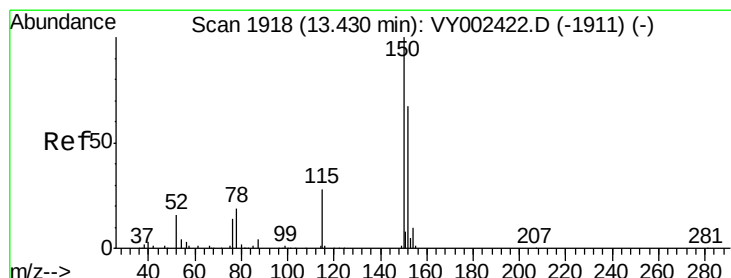
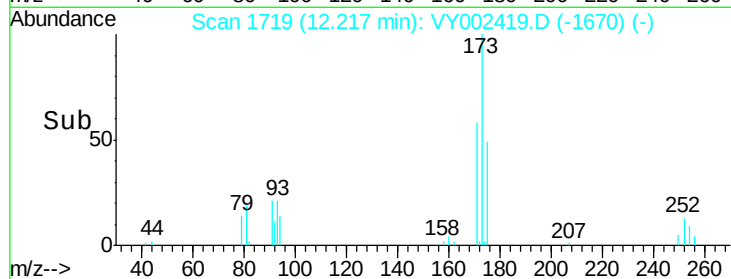
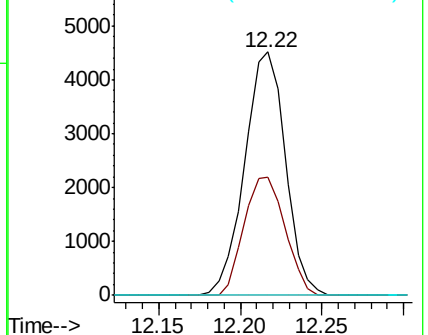
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

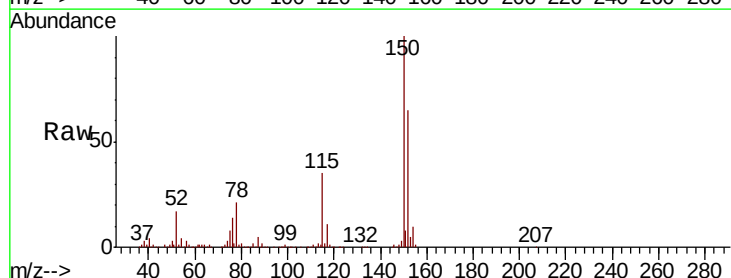
Tgt Ion:152 Resp: 203063

Ion Ratio Lower Upper

152 100

115 54.8 27.3 81.8

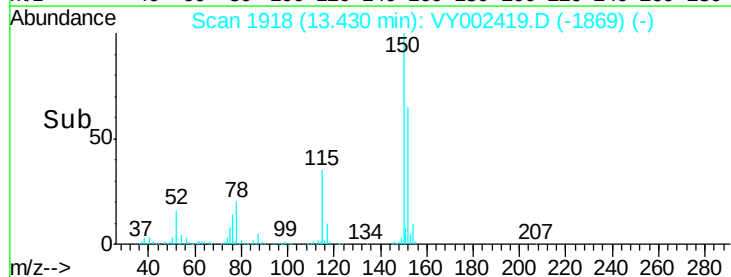
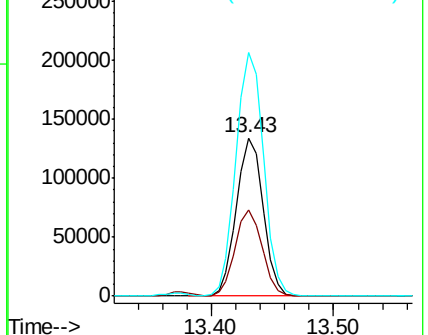
150 159.1 0.0 344.0

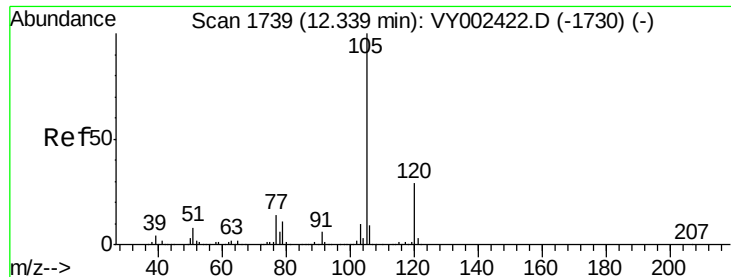


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

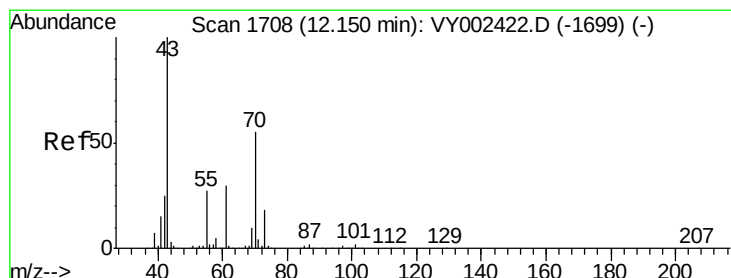
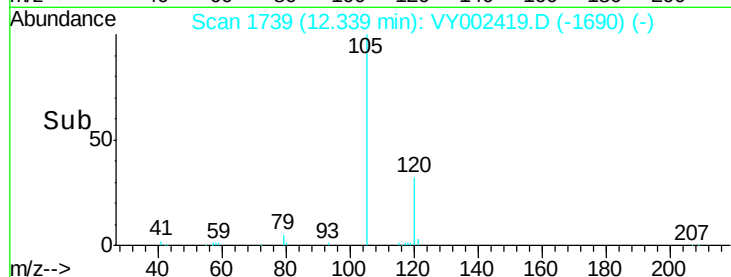
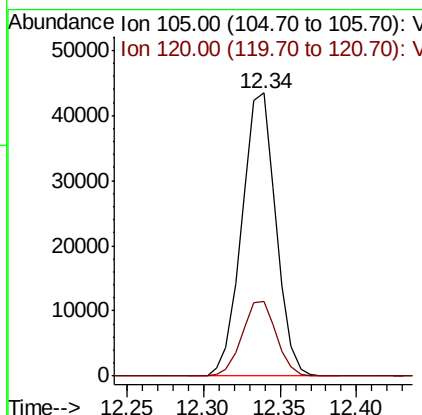
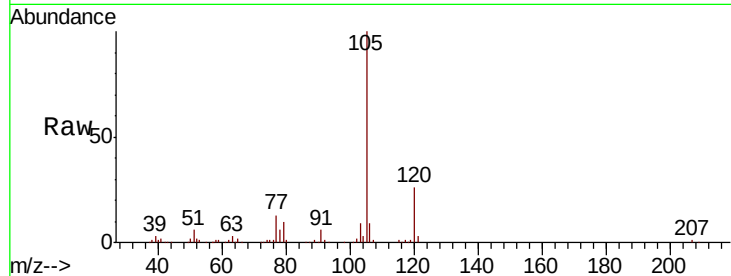




#73
Isopropylbenzene
Concen: 4.319 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

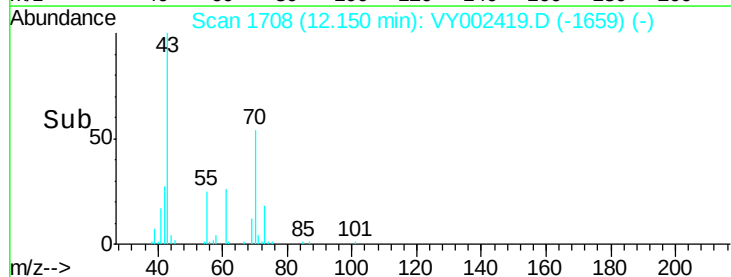
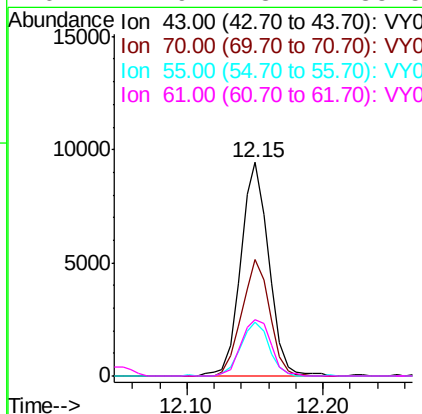
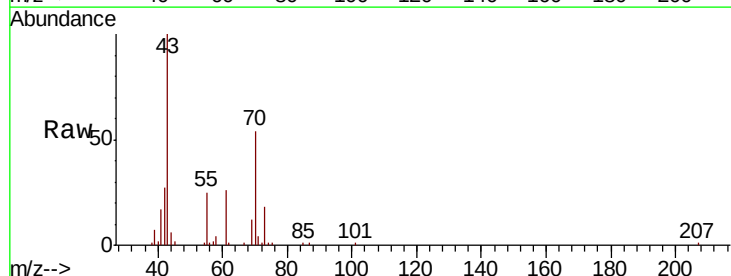
Instrument :
MSVOA_Y
ClientSampleId :

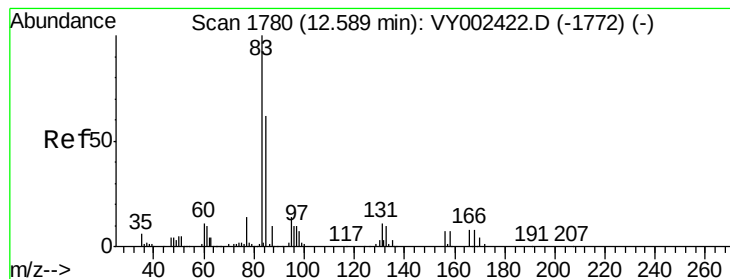
Tot Ion:105 Resp: 67037
Ion Ratio Lower Upper
105 100
120 26.6 13.9 41.7



#74
N-ethyl acetate
Concen: 3.158 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion: 43 Resp: 13540
Ion Ratio Lower Upper
43 100
70 54.3 42.6 63.8
55 25.3 21.0 31.4
61 27.9 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 4.119 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

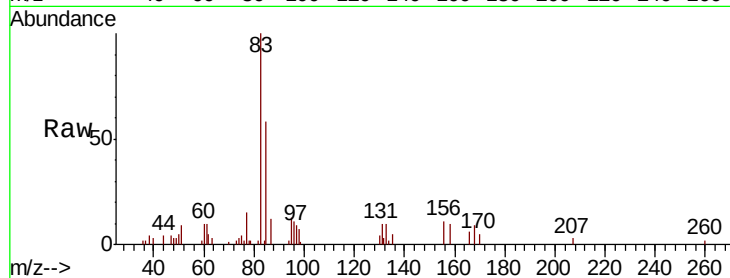
Tot Ion: 83 Resp: 7750

Ion Ratio Lower Upper

83 100

131 11.4 5.9 17.6

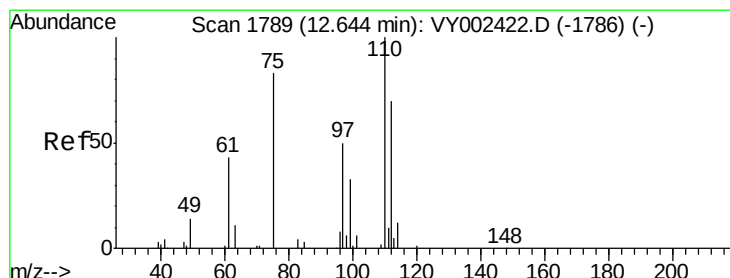
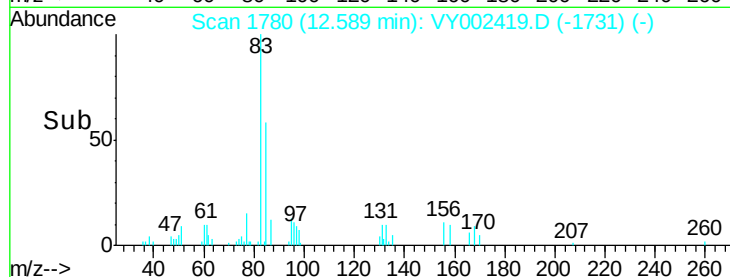
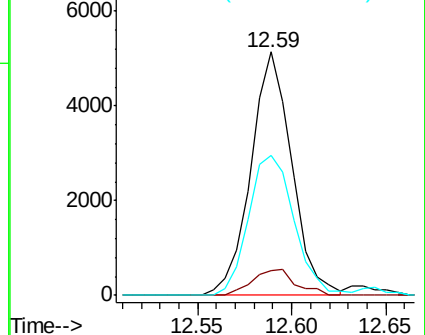
85 64.2 32.6 98.0



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 7.279 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VY002419.D

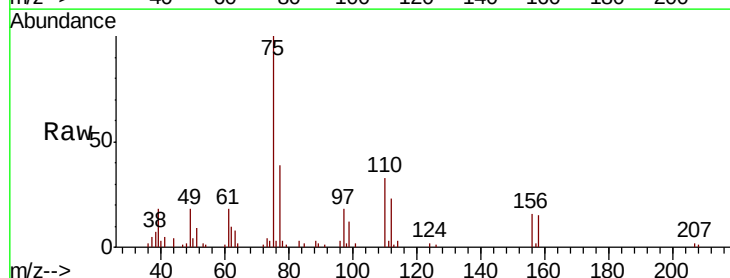
Acq: 20 Apr 2020 12:50

Tgt Ion: 75 Resp: 16436

Ion Ratio Lower Upper

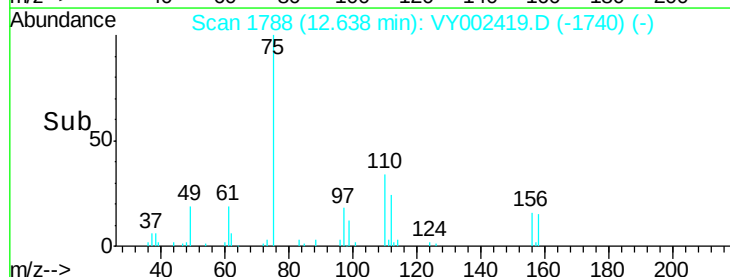
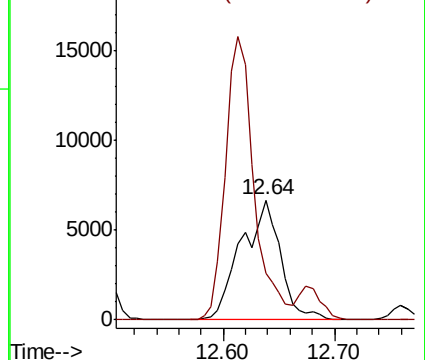
75 100

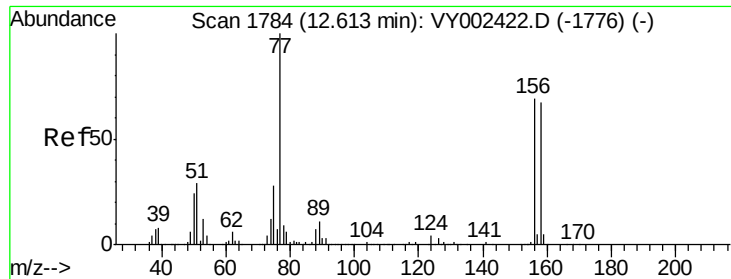
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 4.985 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampled :

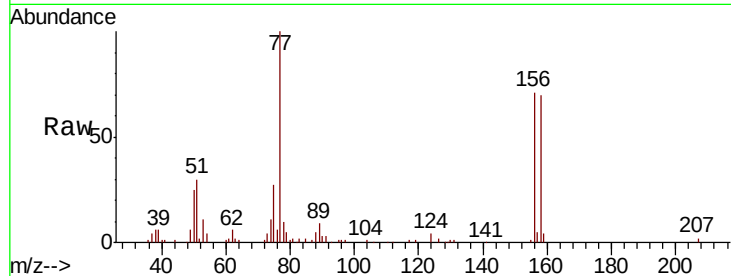
Tot Ion:156 Resp: 17387

Ion Ratio Lower Upper

156 100

77 162.6 80.2 240.6

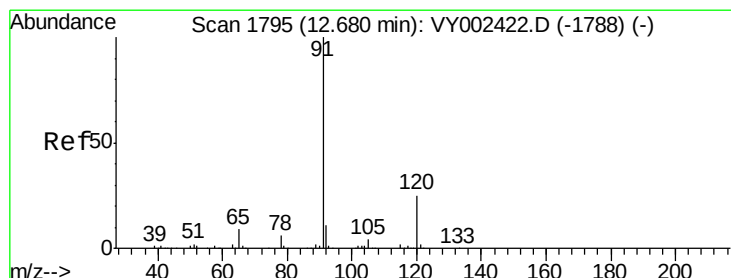
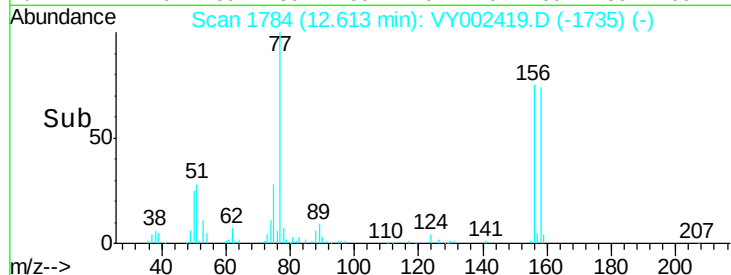
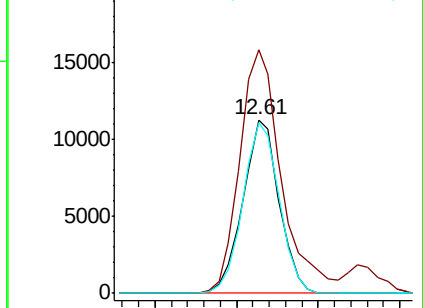
158 98.7 48.4 145.0



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: 4.227 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002419.D

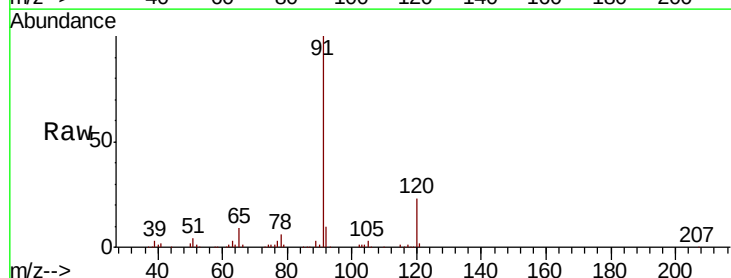
Acq: 20 Apr 2020 12:50

Tgt Ion: 91 Resp: 81109

Ion Ratio Lower Upper

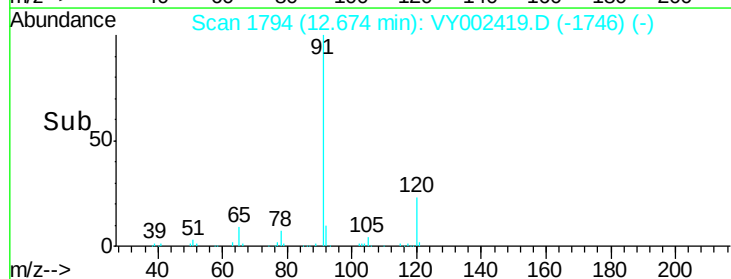
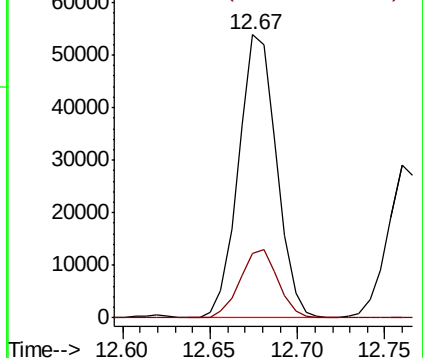
91 100

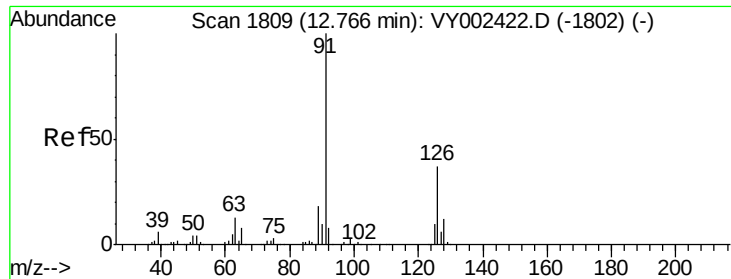
120 24.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.200 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

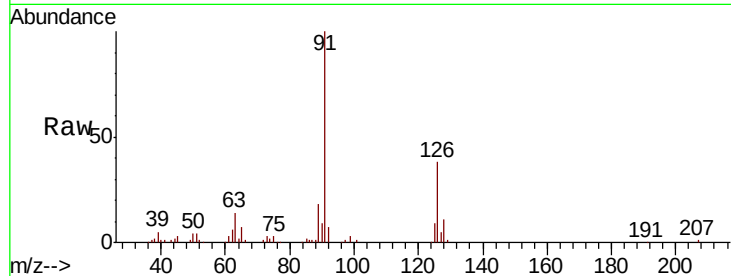
ClientSampleId :

Tot Ion: 91 Resp: 43820

Ion Ratio Lower Upper

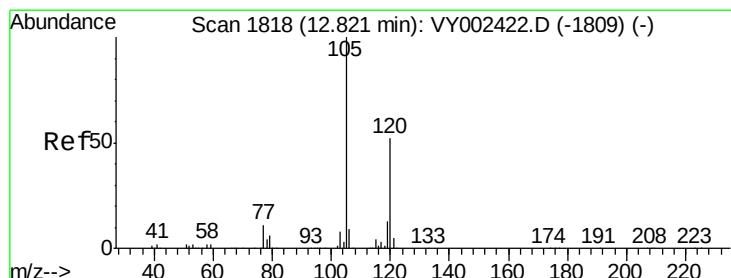
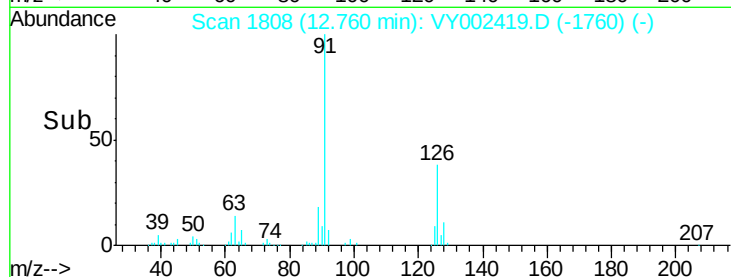
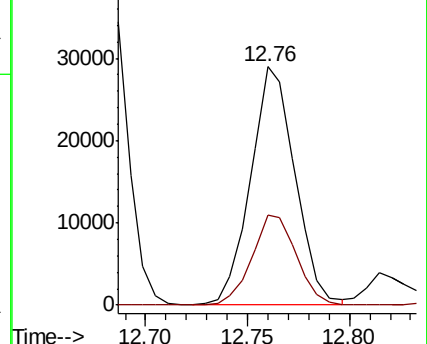
91 100

126 37.8 18.8 56.4



Abundance Ion 91.00 (90.70 to 91.70): VY002422.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002422.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.361 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002419.D

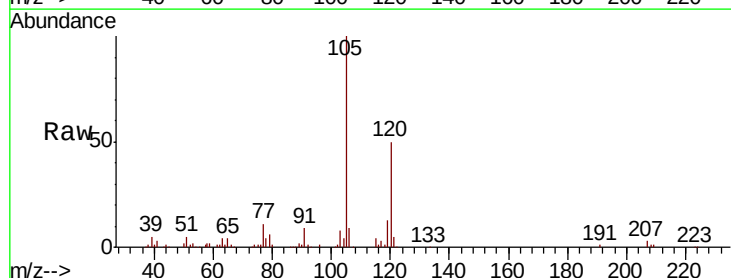
Acq: 20 Apr 2020 12:50

Tgt Ion:105 Resp: 55945

Ion Ratio Lower Upper

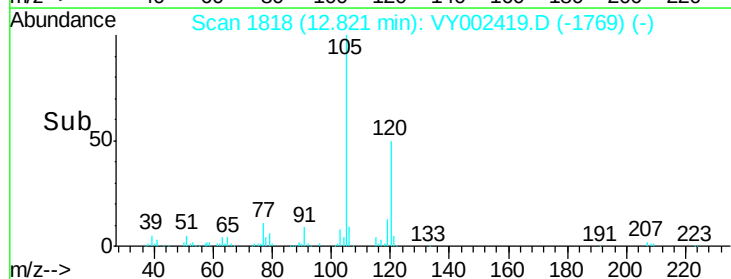
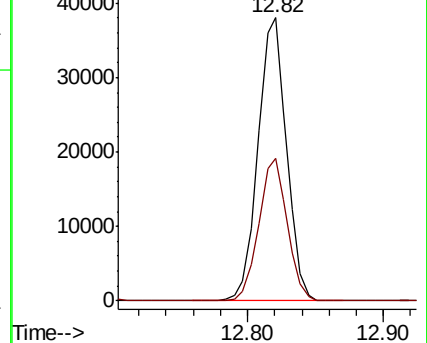
105 100

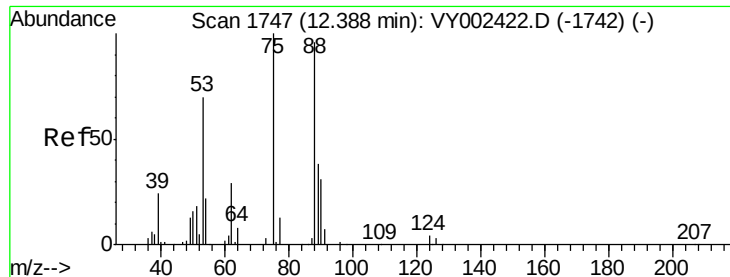
120 50.2 25.9 77.6



Abundance Ion 105.00 (104.70 to 105.70): VY002422.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY002422.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3.669 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

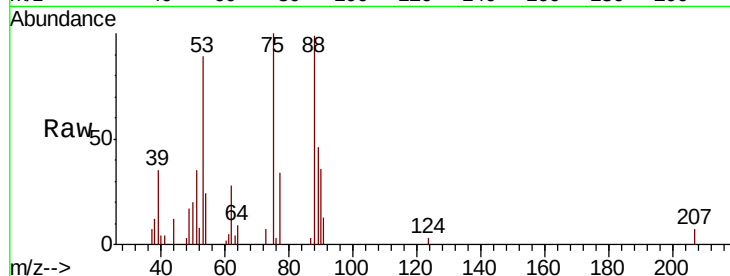
Tot Ion: 75 Resp: 4269

Ion Ratio Lower Upper

75 100

53 78.6 58.7 88.1

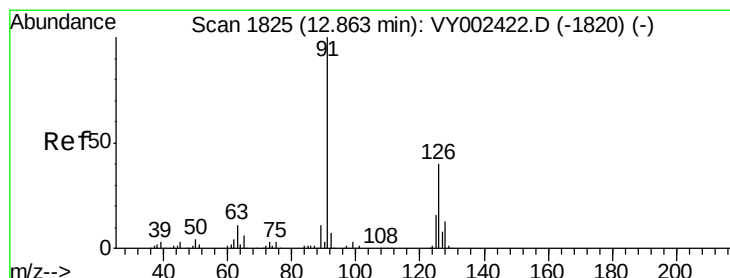
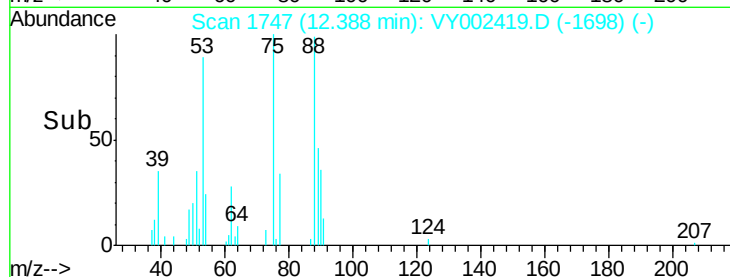
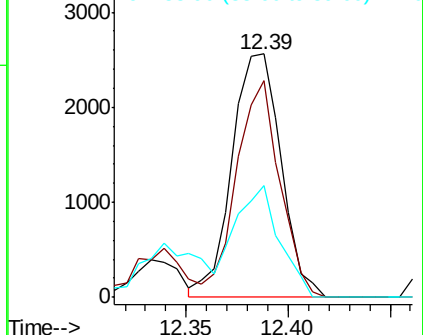
89 41.9 37.9 56.9



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 4.290 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY002419.D

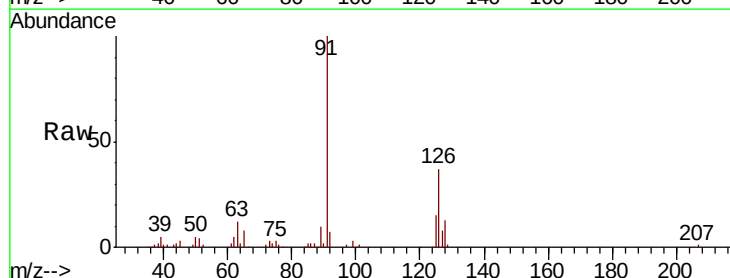
Acq: 20 Apr 2020 12:50

Tgt Ion: 91 Resp: 46908

Ion Ratio Lower Upper

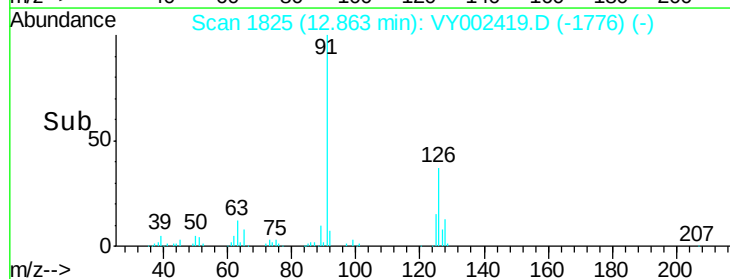
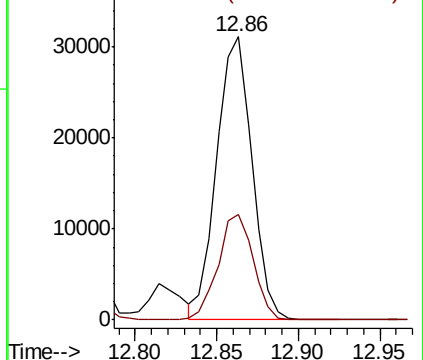
91 100

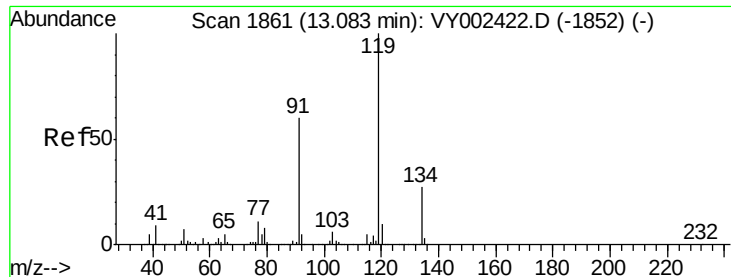
126 37.3 0.0 0.0#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

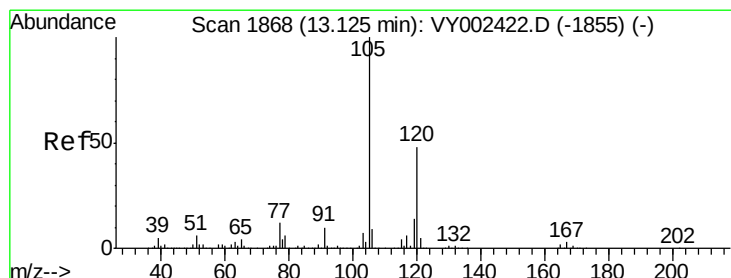
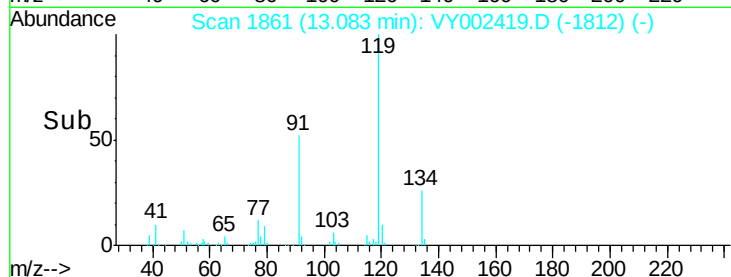
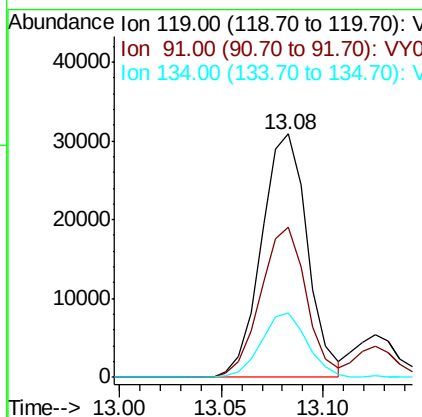
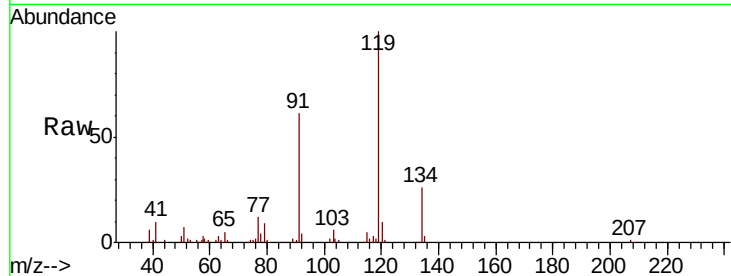




#83
 tert-Butylbenzene
 Concen: 4.496 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

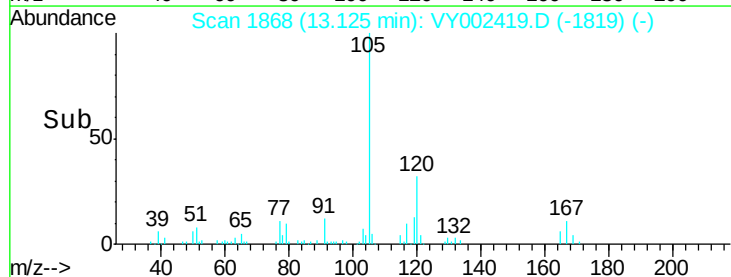
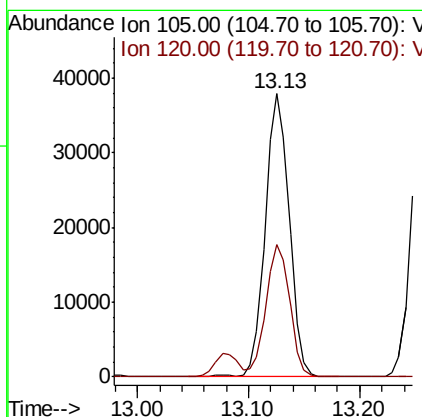
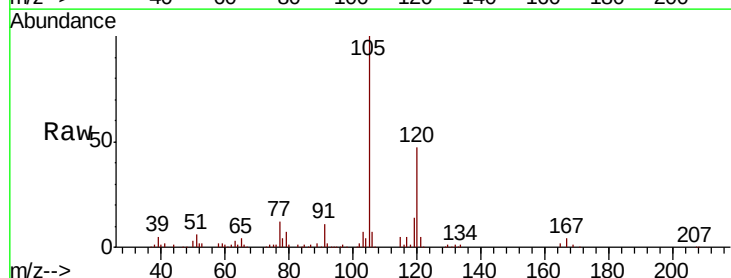
Instrument :
 MSVOA_Y
 ClientSampleId :

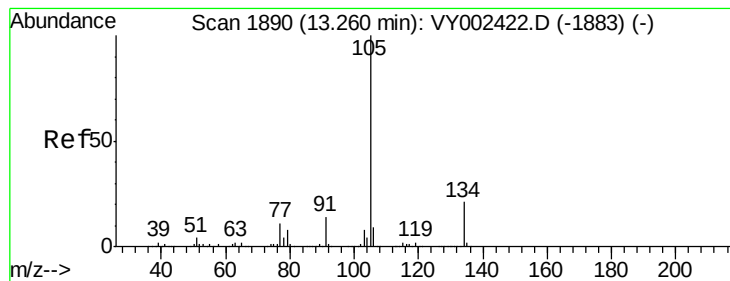
Tot Ion:119 Resp: 48504
 Ion Ratio Lower Upper
 119 100
 91 61.1 30.2 90.6
 134 26.9 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 4.465 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

Tgt Ion:105 Resp: 57245
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.9 71.7





#85

sec-Butylbenzene

Concen: 4.412 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

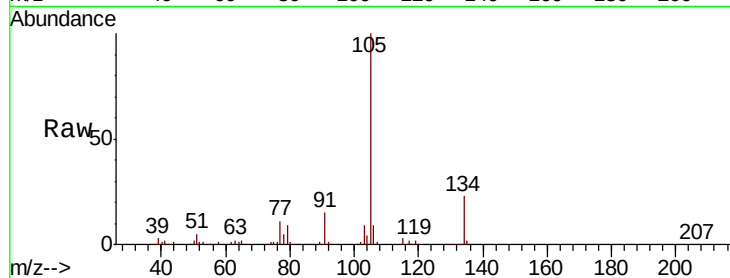
ClientSampled :

Tot Ion:105 Resp: 70722

Ion Ratio Lower Upper

105 100

134 22.1 10.5 31.6



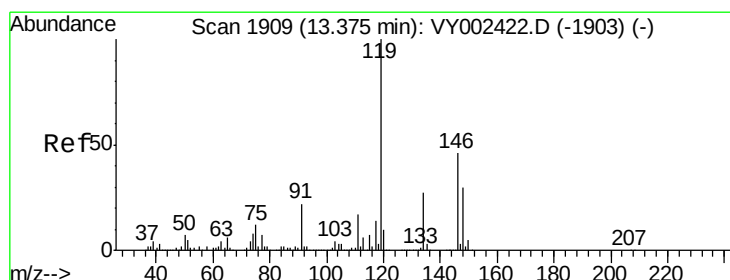
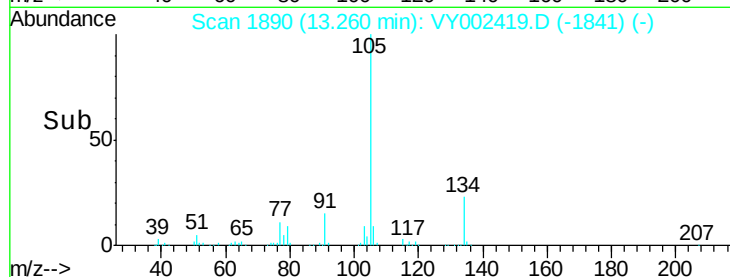
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

Time-->

13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 4.638 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

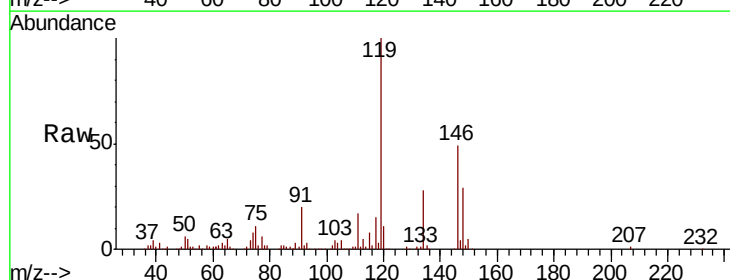
Tgt Ion:119 Resp: 64357

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

91 21.3 10.7 32.1



Abundance Ion 119.00 (118.70 to 119.70): V

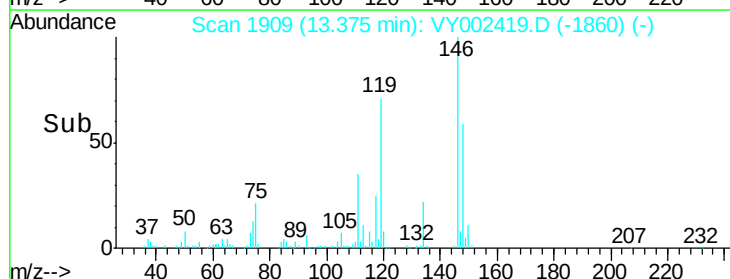
Ion 134.00 (133.70 to 134.70): V

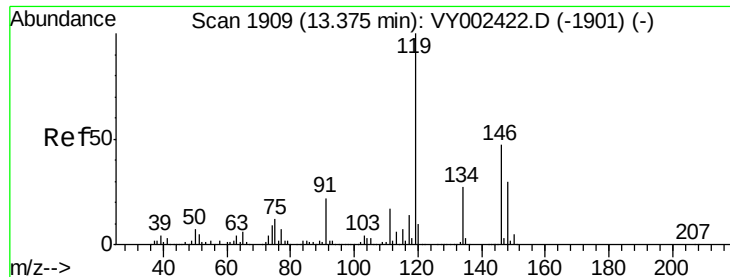
Ion 91.00 (90.70 to 91.70): VY0

13.38

Time-->

13.30 13.35 13.40

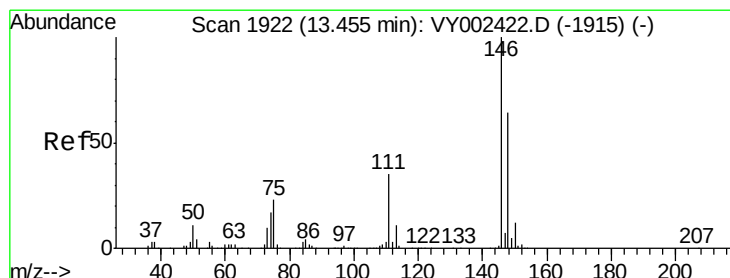
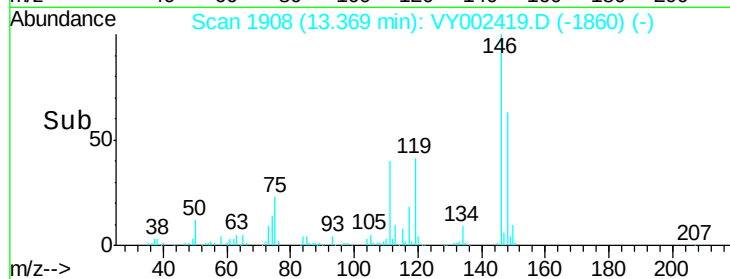
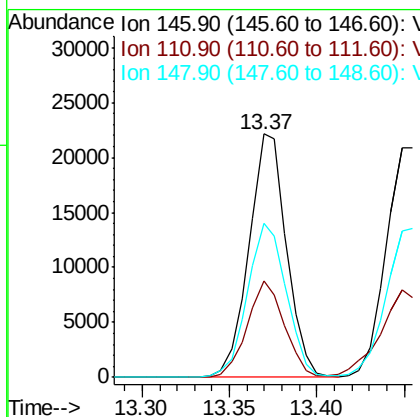
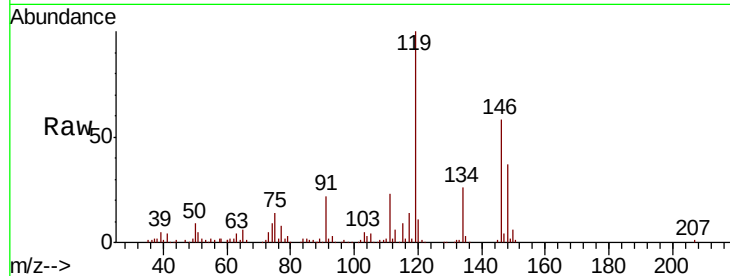




#87
 1,3-Dichlorobenzene
 Concen: 4.911 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

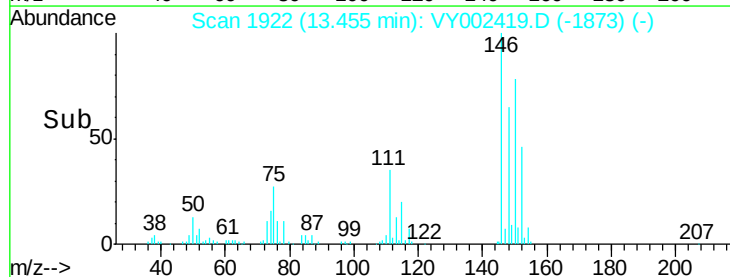
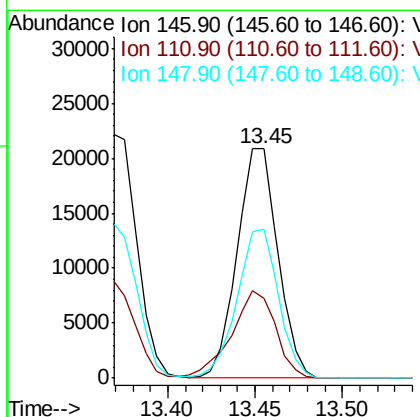
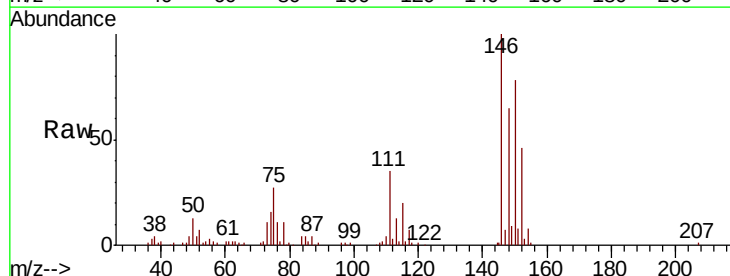
Instrument :
 MSVOA_Y
 ClientSampleId :

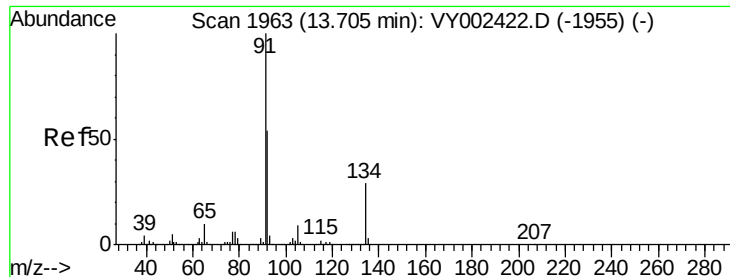
Tot Ion:146 Resp: 33022
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.6 55.8
 148 65.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 4.955 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

Tgt Ion:146 Resp: 33863
 Ion Ratio Lower Upper
 146 100
 111 41.3 17.9 53.8
 148 66.3 32.1 96.3





#89

n-Butylbenzene

Concen: 4.280 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampled :

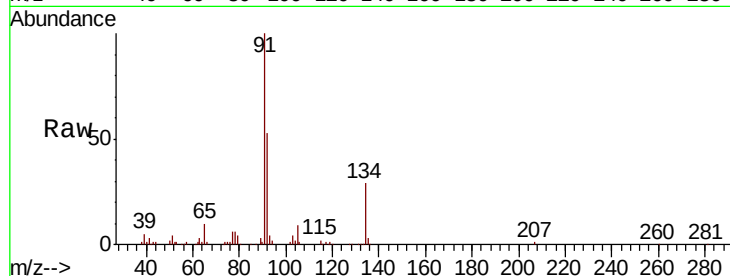
Tot Ion: 91 Resp: 60163

Ion Ratio Lower Upper

91 100

92 54.4 26.8 80.4

134 27.9 14.4 43.2

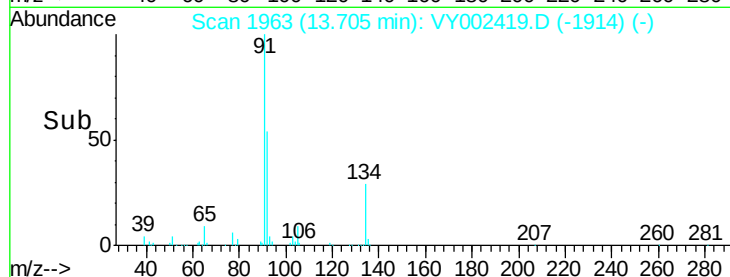


Abundance Ion 91.00 (90.70 to 91.70): VY002422.D (-1955) (-)

Ion 92.00 (91.70 to 92.70): VY002422.D (-1955) (-)

Ion 134.00 (133.70 to 134.70): VY002422.D (-1955) (-)

Time-->

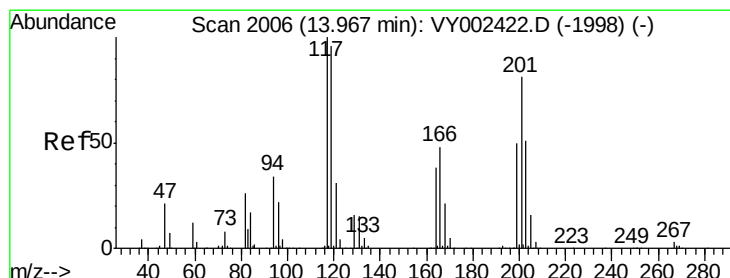


Abundance Ion 91.00 (90.70 to 91.70): VY002419.D (-1914) (-)

Ion 92.00 (91.70 to 92.70): VY002419.D (-1914) (-)

Ion 134.00 (133.70 to 134.70): VY002419.D (-1914) (-)

Time-->



#90

Hexachloroethane

Concen: 4.359 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.00 min

Lab File: VY002419.D

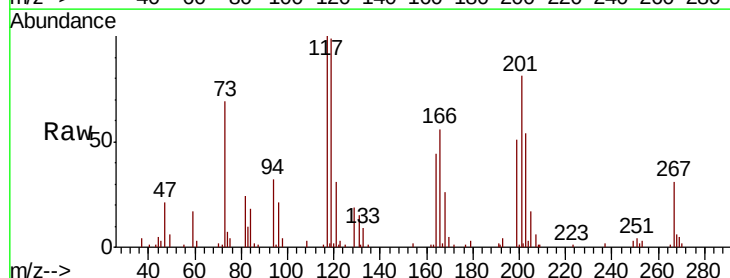
Acq: 20 Apr 2020 12:50

Tgt Ion: 117 Resp: 11503

Ion Ratio Lower Upper

117 100

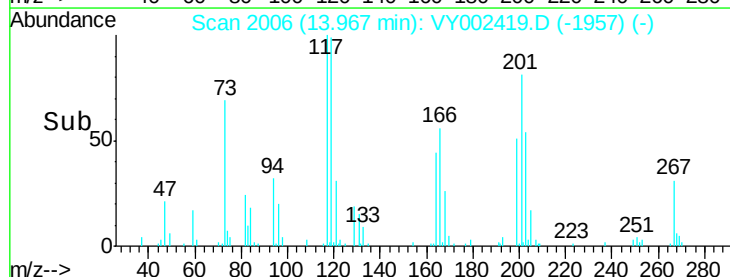
201 81.7 42.5 127.5



Abundance Ion 116.80 (116.50 to 117.50): VY002422.D (-1998) (-)

Ion 200.70 (200.40 to 201.40): VY002422.D (-1998) (-)

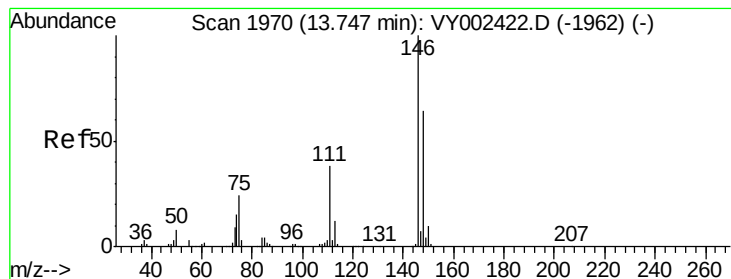
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VY002419.D (-1957) (-)

Ion 200.70 (200.40 to 201.40): VY002419.D (-1957) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 4.880 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

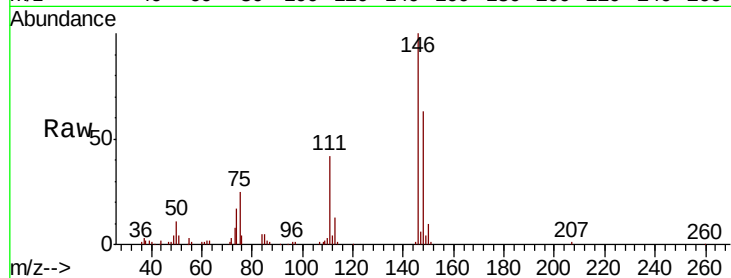
Tot Ion:146 Resp: 29820

Ion Ratio Lower Upper

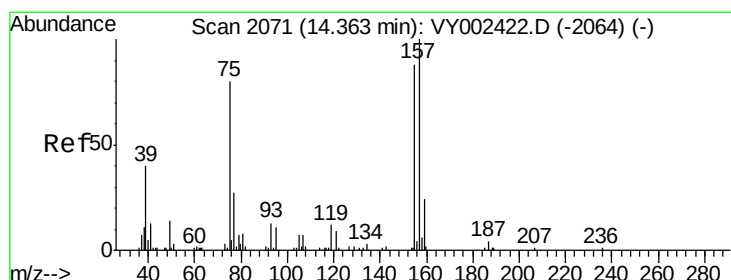
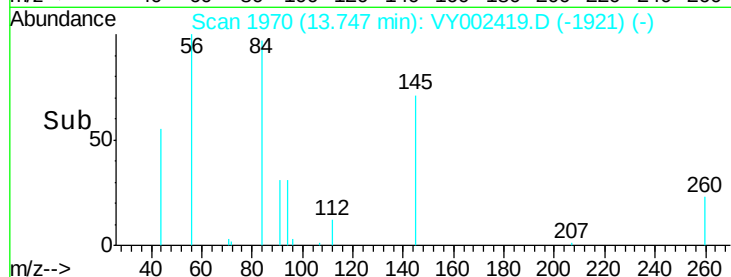
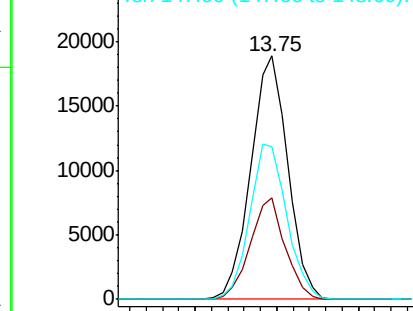
146 100

111 39.3 18.9 56.5

148 63.8 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.268 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VY002419.D

Acq: 20 Apr 2020 12:50

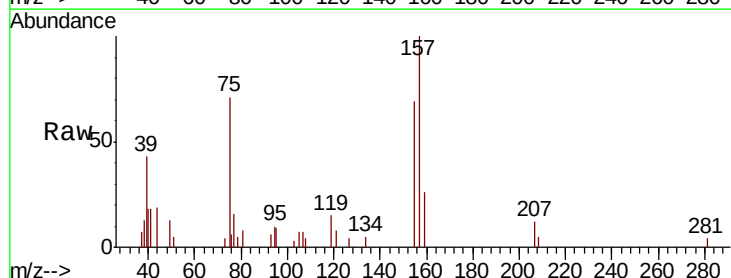
Tgt Ion: 75 Resp: 1927

Ion Ratio Lower Upper

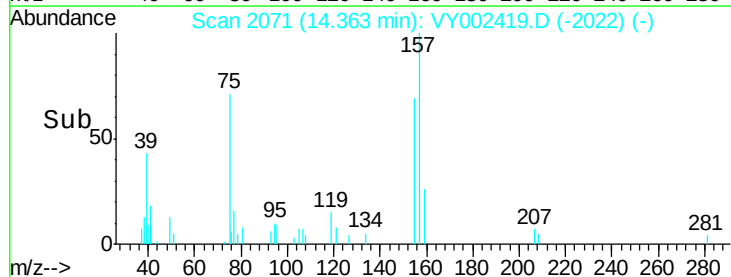
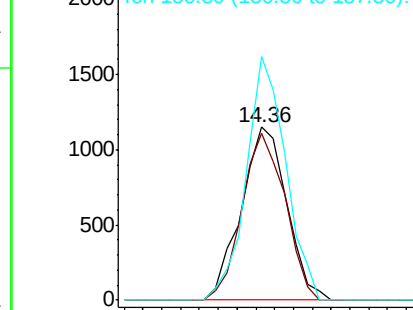
75 100

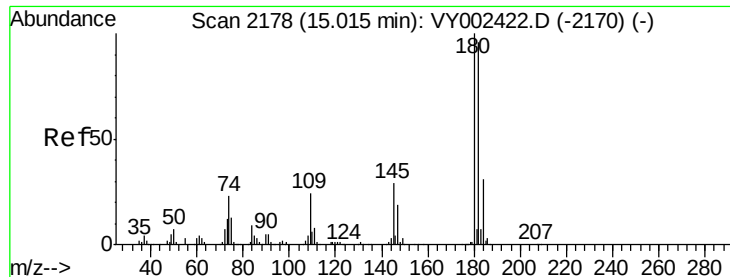
155 91.1 56.1 168.3

157 121.6 71.5 214.5



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

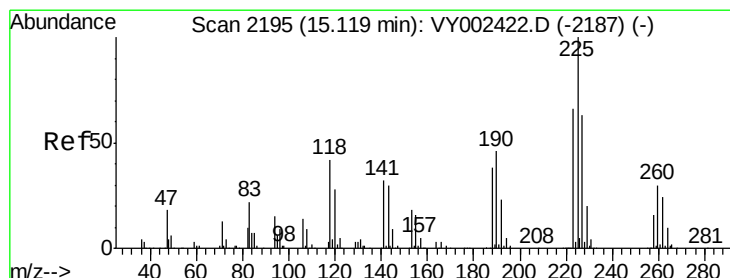
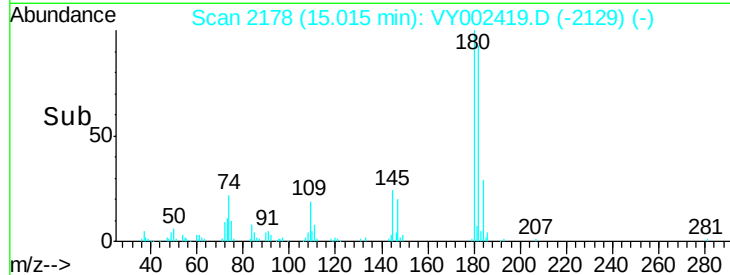
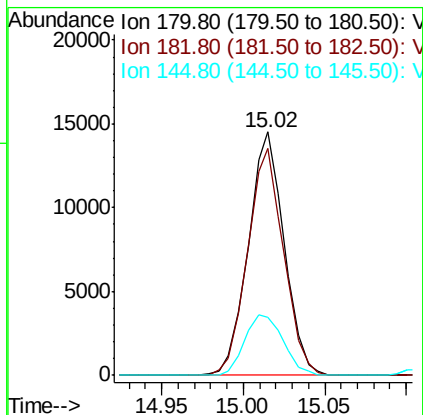
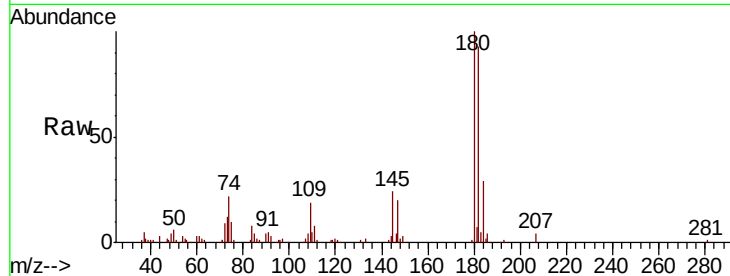




#93
 1,2,4-Trichlorobenzene
 Concen: 5.435 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

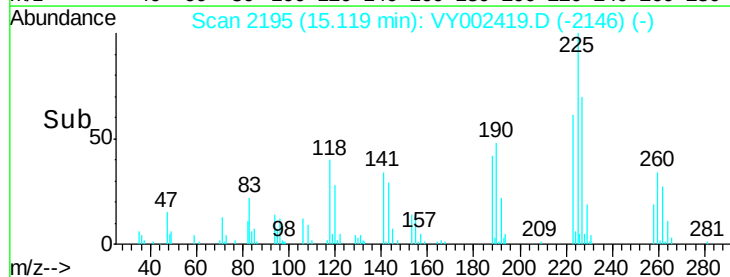
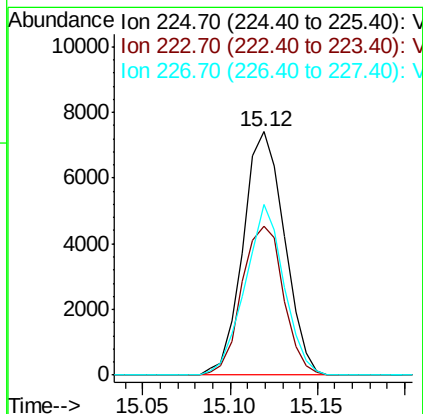
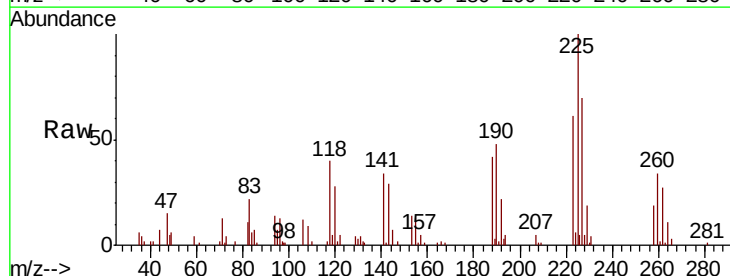
Instrument :
 MSVOA_Y
 ClientSampleId :

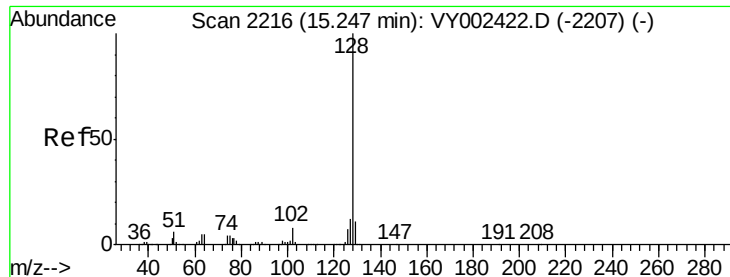
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.8	143.3
145	26.9	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 5.881 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY002419.D
 Acq: 20 Apr 2020 12:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	32.0	96.0
227	65.7	31.6	95.0

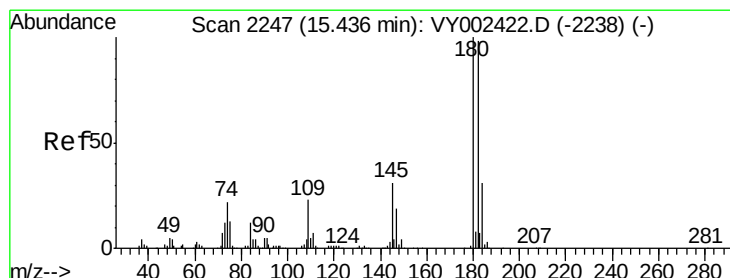
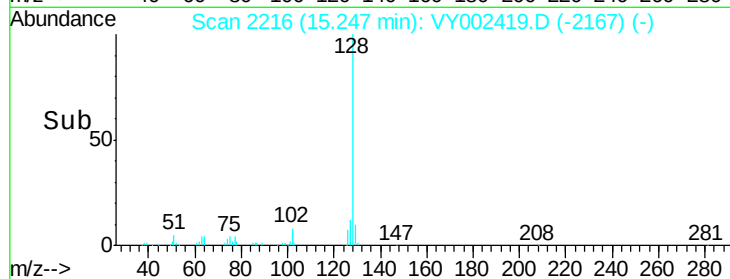
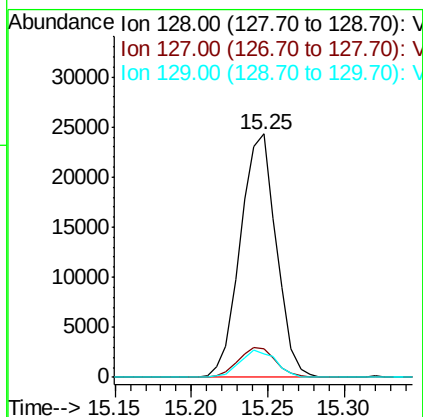
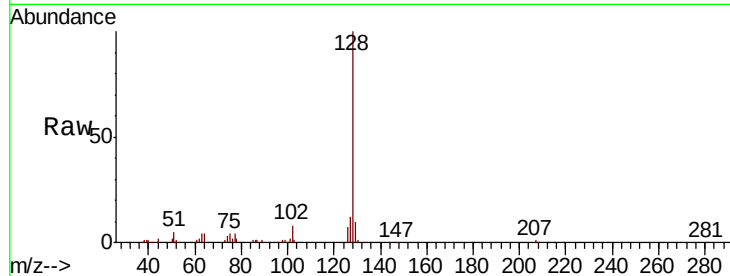




#95
Naphthalene
Concen: 4.550 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 39600
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.3 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 5.412 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY002419.D
Acq: 20 Apr 2020 12:50

Tgt Ion:180 Resp: 19099
Ion Ratio Lower Upper
180 100
182 94.1 47.2 141.6
145 31.8 14.8 44.4

