

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001624.D
 Acq On : 13 Feb 2020 12:27
 Operator : SY/MD
 Sample : VY0213SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 06:23:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	181490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	316837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	279970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136371	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	95742	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	7.74	113	89681	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	10.19	98	369426	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.49	95	133143	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	31998	18.011	ug/l	100
3) Chloromethane	2.12	50	43914	23.650	ug/l	97
4) Vinyl Chloride	2.26	62	44390	23.024	ug/l	93
5) Bromomethane	2.66	94	31074	25.627	ug/l	98
6) Chloroethane	2.80	64	28344	24.389	ug/l	91
7) Trichlorofluoromethane	3.14	101	61350	19.224	ug/l	100
8) Diethyl Ether	3.55	74	23374	21.704	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36953	19.244	ug/l	99
10) Methyl Iodide	4.11	142	43366	17.724	ug/l	99
11) Tert butyl alcohol	4.97	59	26457	109.786	ug/l	96
12) 1,1-Dichloroethene	3.89	96	38076	19.955	ug/l	98
13) Acrolein	3.75	56	15553	89.887	ug/l	94
14) Allyl chloride	4.50	41	68119	23.336	ug/l	96
15) Acrylonitrile	5.19	53	60645	122.837	ug/l	99
16) Acetone	3.97	43	57966	109.664	ug/l	97
17) Carbon Disulfide	4.21	76	118056	19.435	ug/l	99
18) Methyl Acetate	4.50	43	30869	27.367	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	105000	20.692	ug/l	96
20) Methylene Chloride	4.74	84	50966	21.976	ug/l	90
21) trans-1,2-Dichloroethene	5.24	96	42693	20.126	ug/l	95
22) Diisopropyl ether	6.14	45	136623	23.624	ug/l	91
23) Vinyl Acetate	6.09	43	442834	120.286	ug/l	96
24) 1,1-Dichloroethane	6.04	63	73197	21.042	ug/l	96
25) 2-Butanone	7.01	43	85636	124.880	ug/l	96
26) 2,2-Dichloropropane	7.00	77	66288	19.911	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	47650	20.567	ug/l	96
28) Bromochloromethane	7.36	49	26274	22.172	ug/l	89
29) Tetrahydrofuran	7.37	42	53270	129.605	ug/l	93
30) Chloroform	7.53	83	71138	20.189	ug/l	100
31) Cyclohexane	7.81	56	74466	20.928	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	61889	19.373	ug/l	96
36) 1,1-Dichloropropene	7.94	75	58990	20.352	ug/l	99
37) Ethyl Acetate	7.10	43	35637	25.398	ug/l	96
38) Carbon Tetrachloride	7.92	117	53576	19.105	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	76230	19.974	ug/l	95
40) Benzene	8.18	78	174474	21.104	ug/l	97
41) Methacrylonitrile	7.37	41	48058	73.901	ug/l #	20
42) 1,2-Dichloroethane	8.26	62	48520	21.066	ug/l	98
43) Isopropyl Acetate	8.29	43	68556	24.677	ug/l	93
44) Trichloroethene	8.96	130	43483	19.513	ug/l	85
45) 1,2-Dichloropropane	9.23	63	43997	22.039	ug/l	96
46) Dibromomethane	9.32	93	23036	20.549	ug/l	99
47) Bromodichloromethane	9.52	83	54519	19.960	ug/l	93
48) Methyl methacrylate	9.31	41	30023	23.811	ug/l	94
49) 1,4-Dioxane	9.32	88	6237	421.288	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	177836	129.983	ug/l	94
52) Toluene	10.26	92	108924	20.765	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	59981	20.162	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	69274	20.283	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	34237	21.287	ug/l	99
56) Ethyl methacrylate	10.52	69	50099	21.900	ug/l	90
57) 1,3-Dichloropropane	10.80	76	59391	20.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	88453	105.106	ug/l	96
59) 2-Hexanone	10.85	43	125669	126.330	ug/l	96
60) Dibromochloromethane	11.00	129	37371	19.712	ug/l	99
61) 1,2-Dibromoethane	11.10	107	32584	20.569	ug/l	98
64) Tetrachloroethene	10.74	164	35975	19.593	ug/l	97
65) Chlorobenzene	11.53	112	112286	20.426	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	38795	20.164	ug/l	98
67) Ethyl Benzene	11.61	91	206870	20.353	ug/l	99
68) m/p-Xylenes	11.72	106	154849	40.583	ug/l	99
69) o-Xylene	12.04	106	75315	20.935	ug/l	98
70) Styrene	12.06	104	128854	20.711	ug/l	98
71) Bromoform	12.22	173	20964	19.568	ug/l #	97
73) Isopropylbenzene	12.35	105	197827	19.020	ug/l	99
74) N-amyl acetate	12.16	43	62266	23.039	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	42231	21.371	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	55126	37.589	ug/l #	100
77) Bromobenzene	12.62	156	43753	19.438	ug/l	96
78) n-propylbenzene	12.69	91	240318	19.300	ug/l	100
79) 2-Chlorotoluene	12.77	91	135382	19.075	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	165511	18.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14702	19.398	ug/l	93
82) 4-Chlorotoluene	12.87	91	143056	19.224	ug/l	100
83) tert-Butylbenzene	13.09	119	137508	18.572	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	165787	19.123	ug/l	99
85) sec-Butylbenzene	13.27	105	201063	19.315	ug/l	99
86) p-Isopropyltoluene	13.38	119	176916	19.286	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	84435	19.574	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	85039	19.678	ug/l	99
89) n-Butylbenzene	13.71	91	178270	19.696	ug/l	99
90) Hexachloroethane	13.97	117	32866	18.667	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	78815	20.162	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.38	75	7286	19.973	ug/l	97

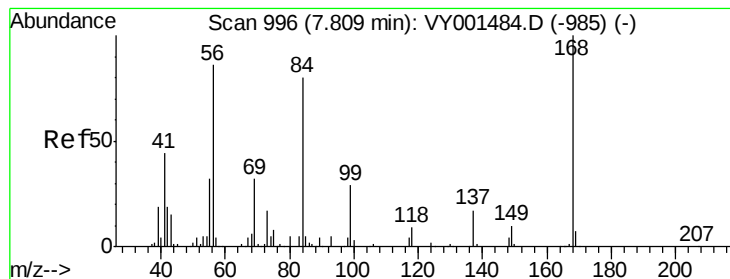
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	49681	18.859	ug/l	96
94) Hexachlorobutadiene	15.13	225	25486	19.062	ug/l	98
95) Naphthalene	15.25	128	117014	18.900	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	44660	19.206	ug/l	98

(#) = 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: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

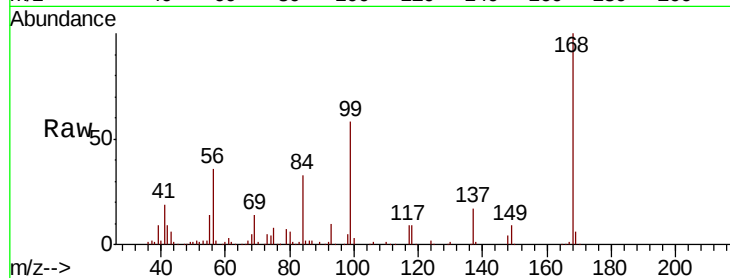
ClientSampleId :

Tot Ion:168 Resp: 181490

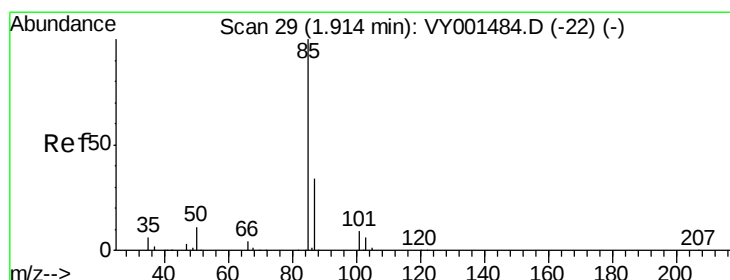
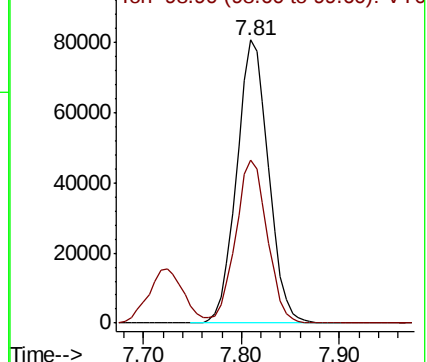
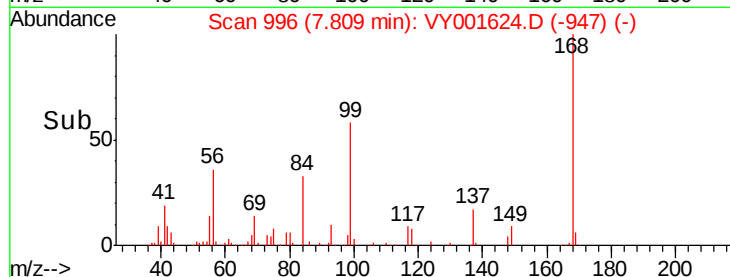
Ion Ratio Lower Upper

168 100

99 57.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001624.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: 18.011 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001624.D

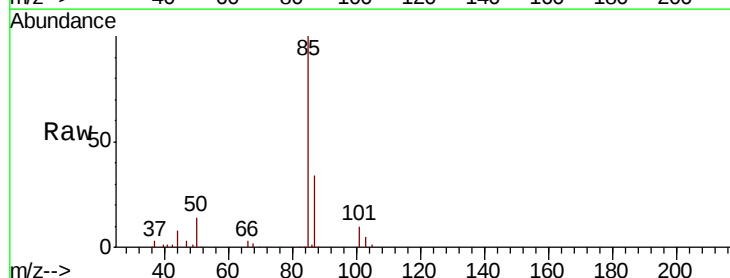
Acq: 13 Feb 2020 12:27

Tgt Ion: 85 Resp: 31998

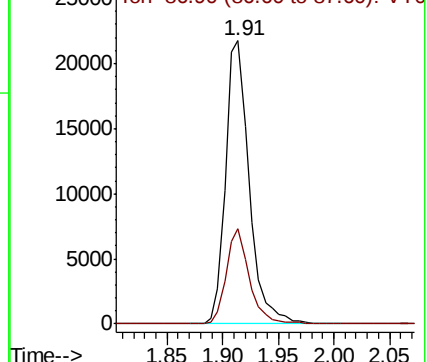
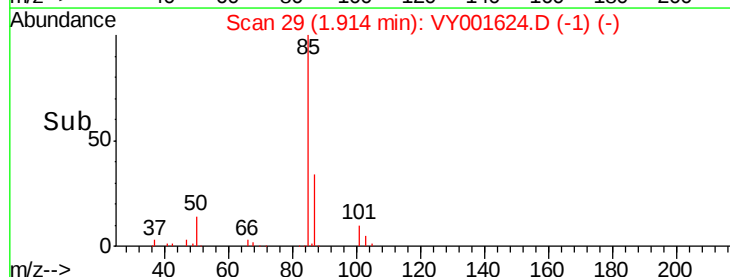
Ion Ratio Lower Upper

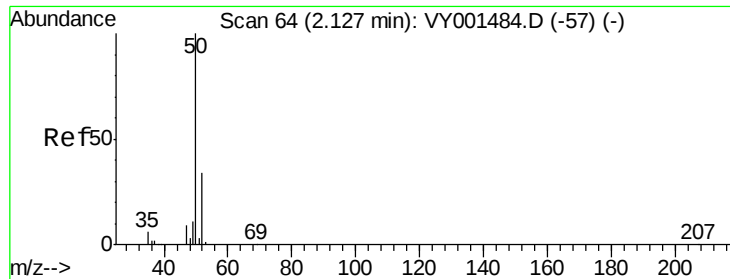
85 100

87 33.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001624.D (-1) (-)





#3

Chloromethane

Concen: 23.650 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

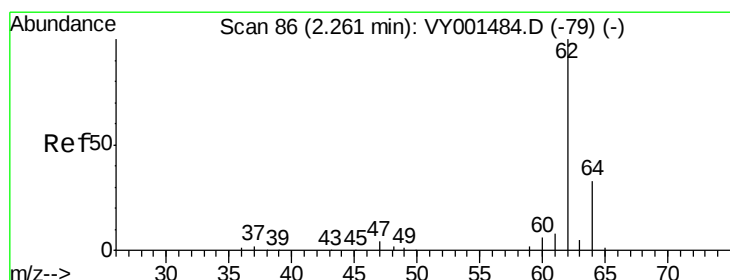
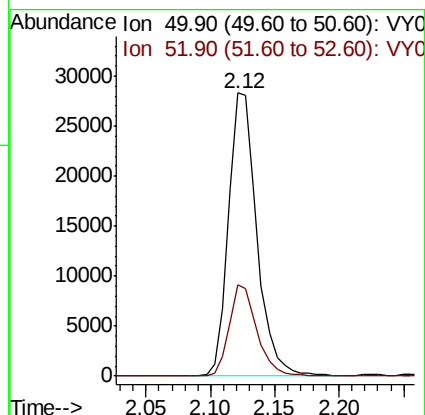
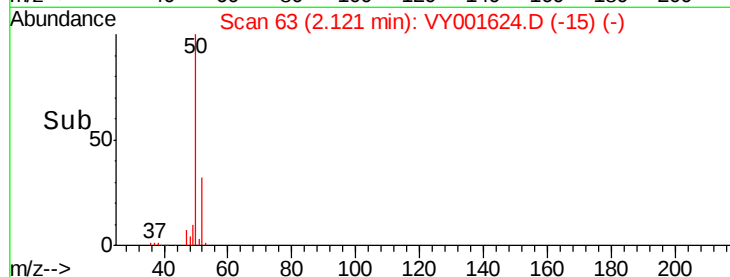
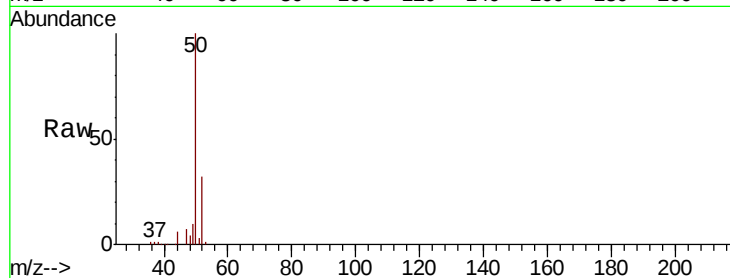
ClientSampleId :

Tot Ion: 50 Resp: 43914

Ion Ratio Lower Upper

50 100

52 32.1 27.3 40.9



#4

Vinyl Chloride

Concen: 23.024 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001624.D

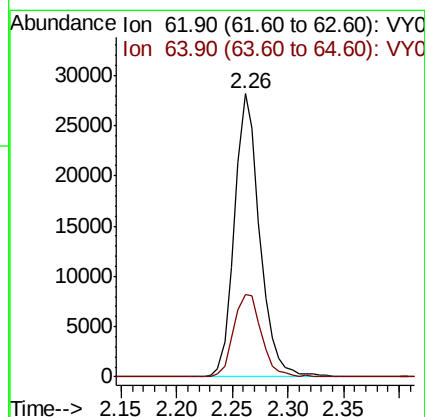
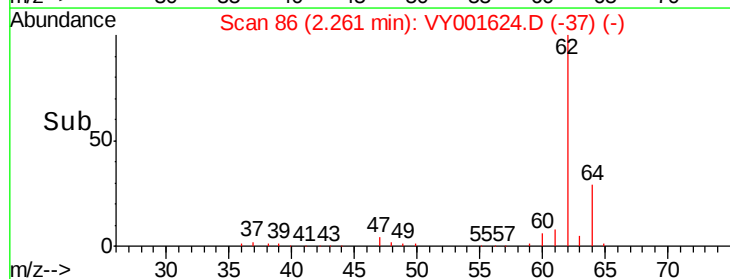
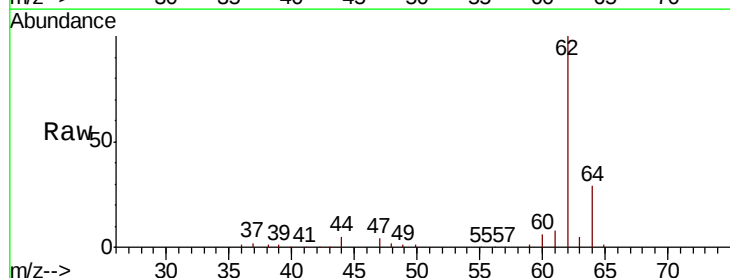
Acq: 13 Feb 2020 12:27

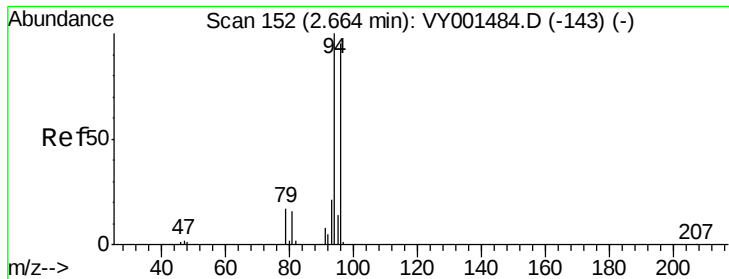
Tgt Ion: 62 Resp: 44390

Ion Ratio Lower Upper

62 100

64 29.2 26.4 39.6





#5

Bromomethane

Concen: 25.627 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

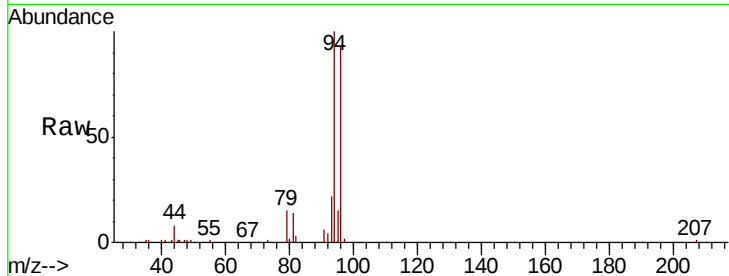
ClientSampleId :

Tot Ion: 94 Resp: 31074

Ion Ratio Lower Upper

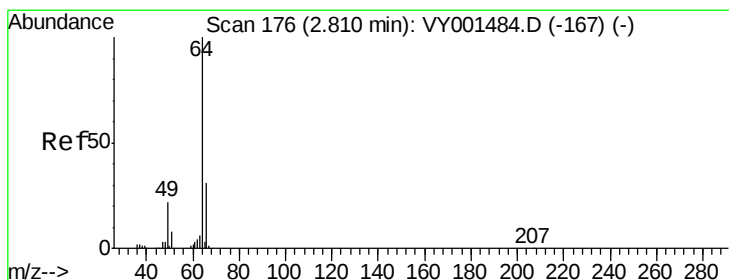
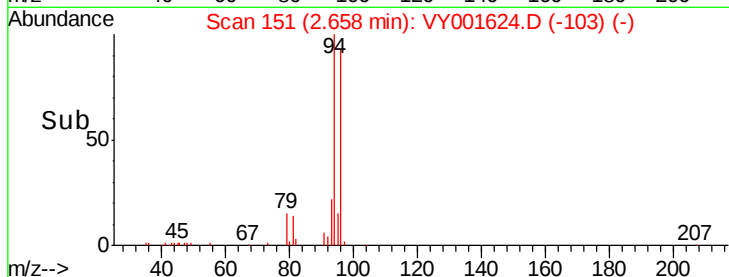
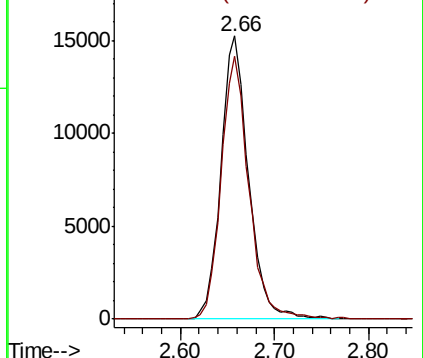
94 100

96 92.9 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 24.389 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001624.D

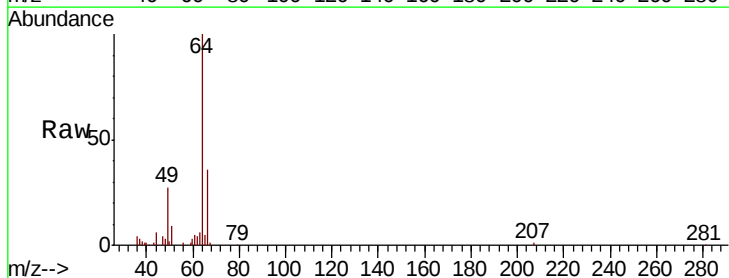
Acq: 13 Feb 2020 12:27

Tgt Ion: 64 Resp: 28344

Ion Ratio Lower Upper

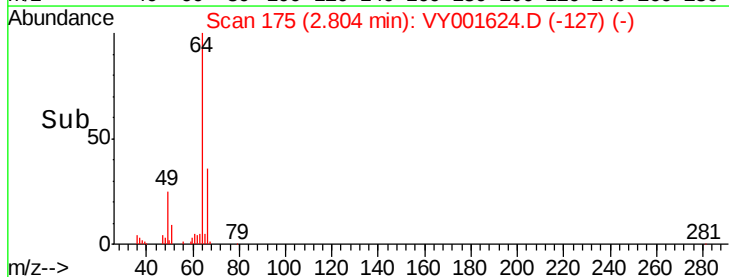
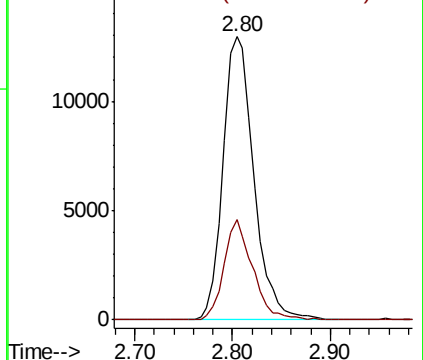
64 100

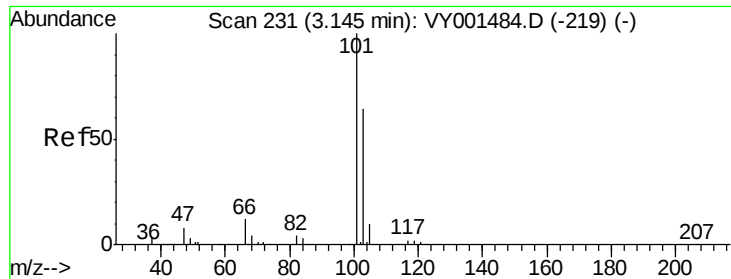
66 35.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



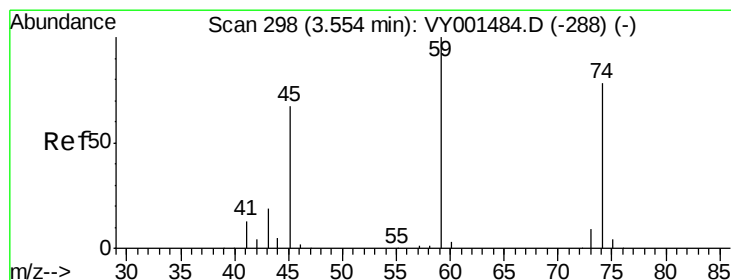
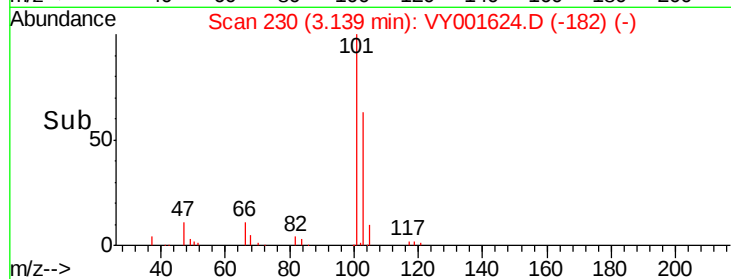
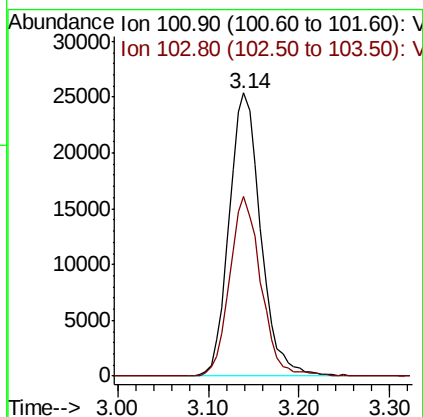
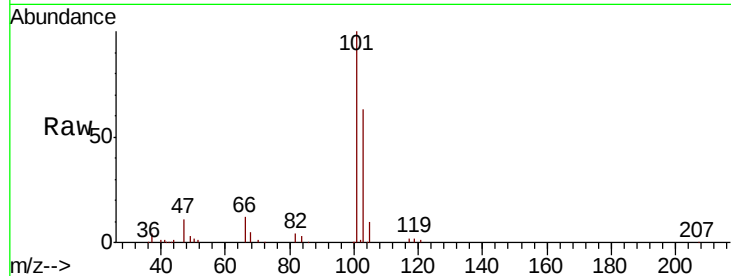


#7

Trichlorofluoromethane
Concen: 19.224 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampled :

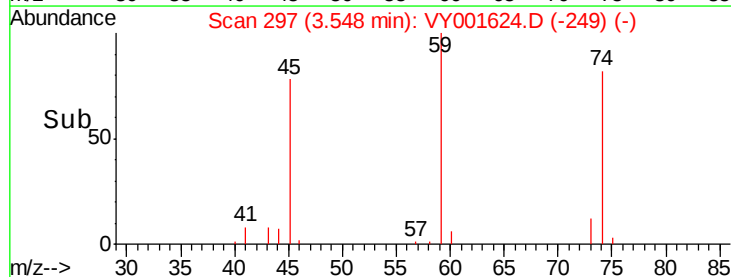
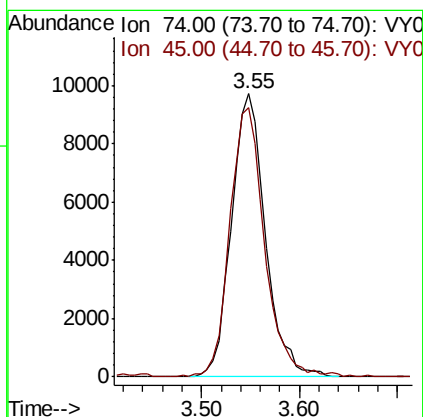
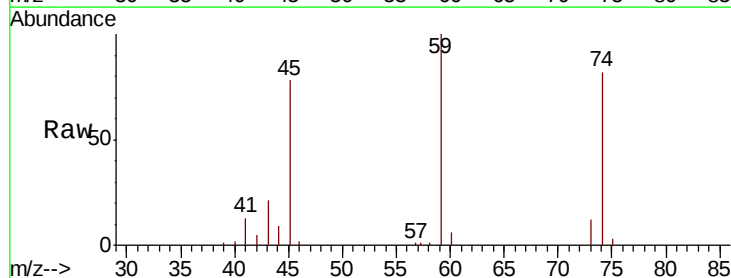
Tot Ion:101 Resp: 61350
Ion Ratio Lower Upper
101 100
103 63.5 50.9 76.3

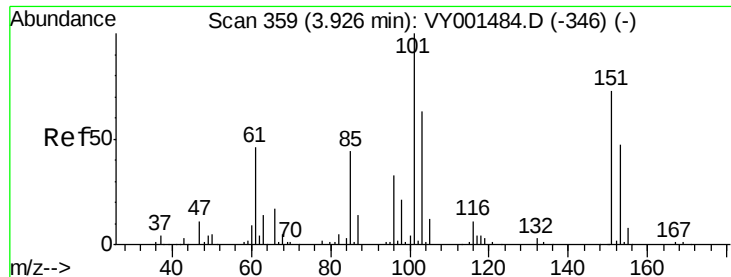


#8

Diethyl Ether
Concen: 21.704 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 74 Resp: 23374
Ion Ratio Lower Upper
74 100
45 97.7 44.5 133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.244 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

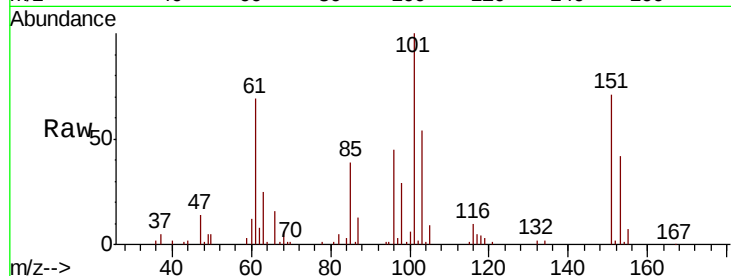
Tot Ion:101 Resp: 36953

Ion Ratio Lower Upper

101 100

85 44.0 34.6 51.8

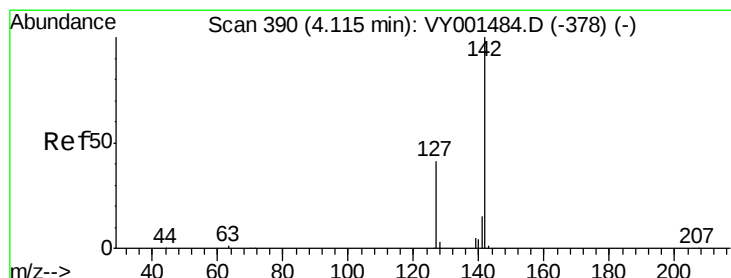
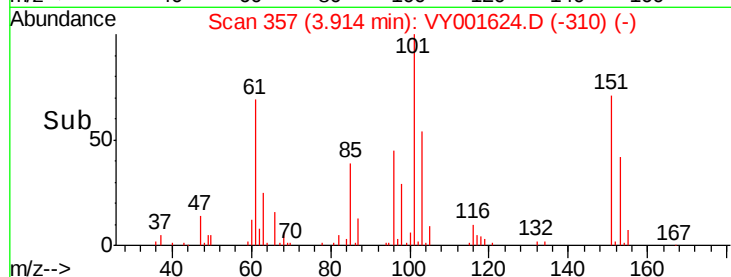
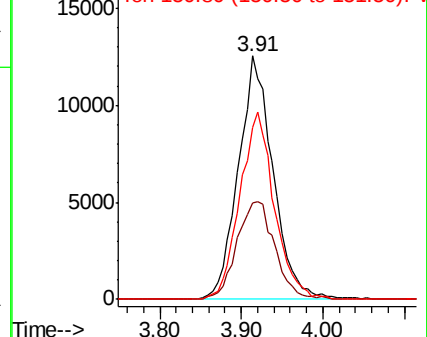
151 76.6 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.724 ug/l

RT: 4.11 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

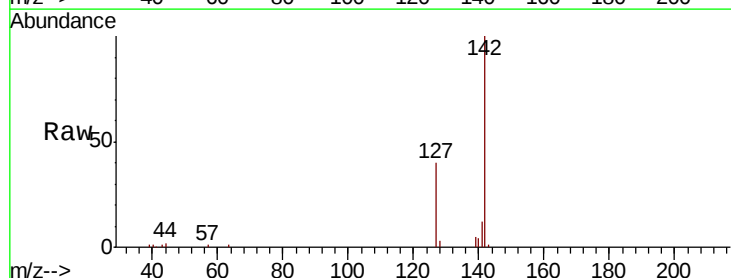
Tgt Ion:142 Resp: 43366

Ion Ratio Lower Upper

142 100

127 41.1 33.3 49.9

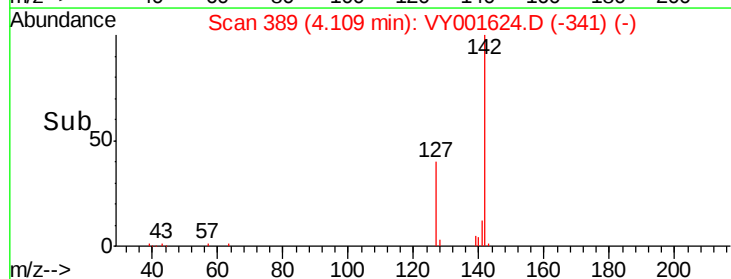
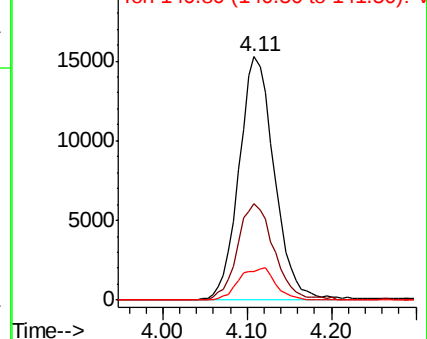
141 13.6 11.5 17.3

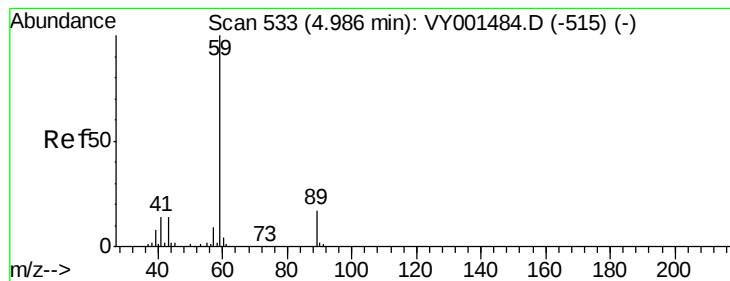


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



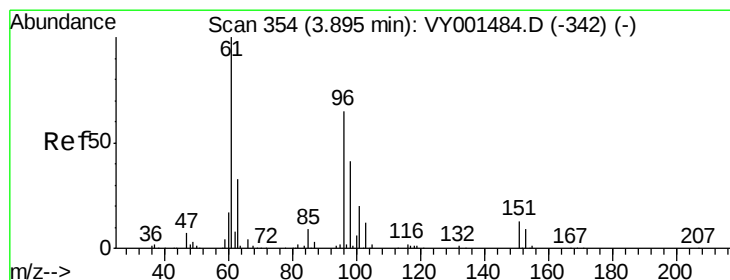
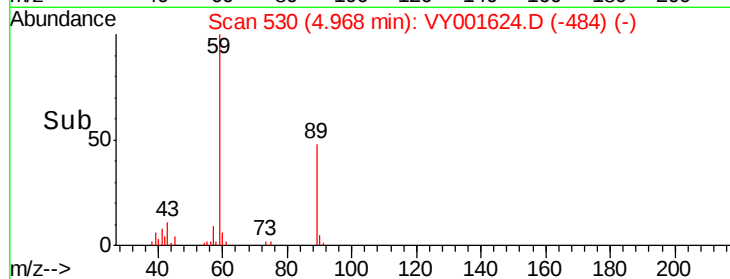
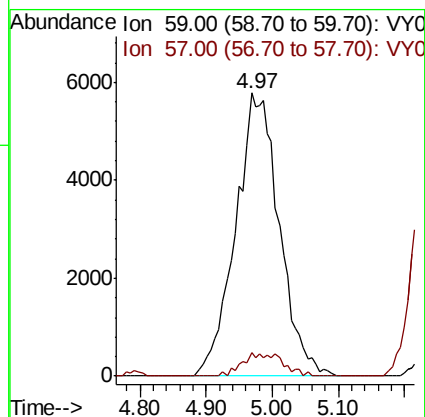
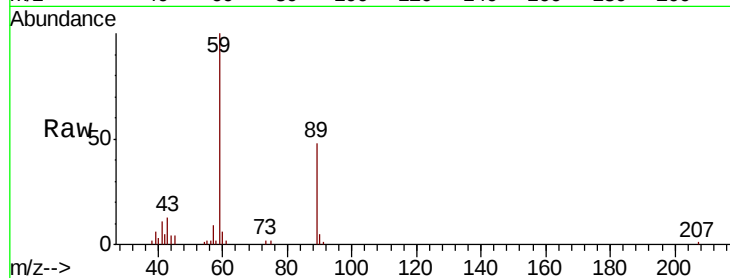


#11

Tert butyl alcohol
 Concen: 109.786 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :

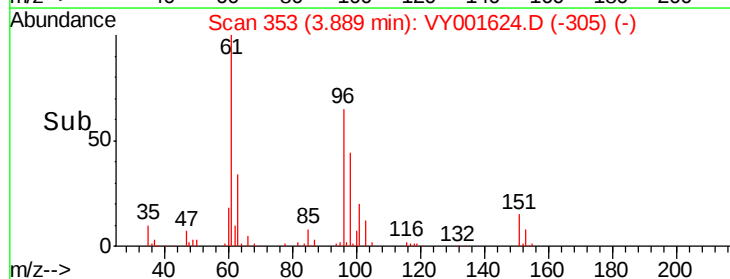
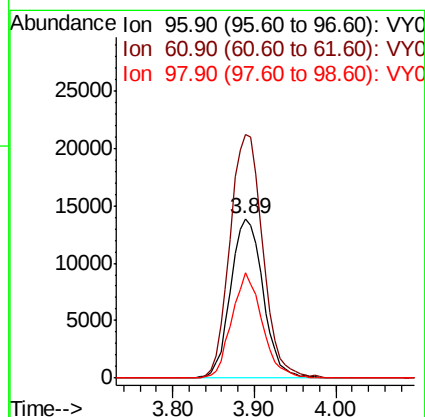
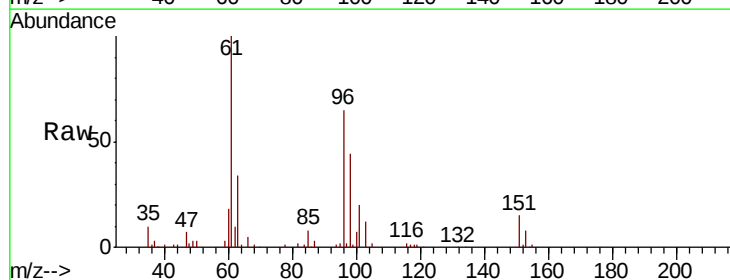
Tot Ion: 59 Resp: 26457
 Ion Ratio Lower Upper
 59 100
 57 7.4 7.0 10.6

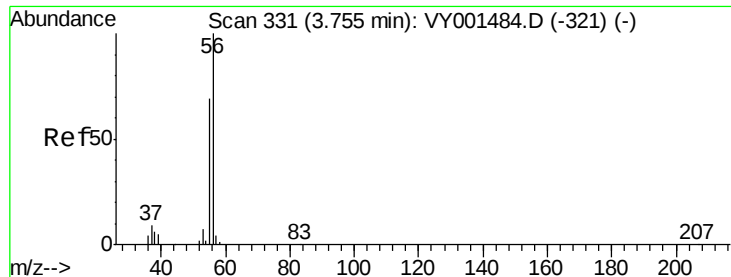


#12

1,1-Dichloroethene
 Concen: 19.955 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion: 96 Resp: 38076
 Ion Ratio Lower Upper
 96 100
 61 152.9 122.3 183.5
 98 66.5 49.7 74.5





#13

Acrolein

Concen: 89.887 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

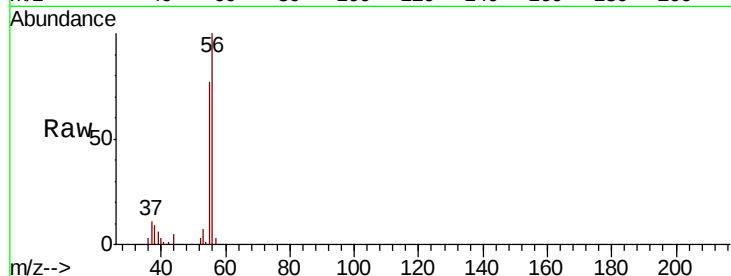
ClientSampleId :

Tot Ion: 56 Resp: 15553

Ion Ratio Lower Upper

56 100

55 75.0 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VY001484.D (-321) (-)

Ion 55.00 (54.70 to 55.70): VY001484.D (-321) (-)

3.75

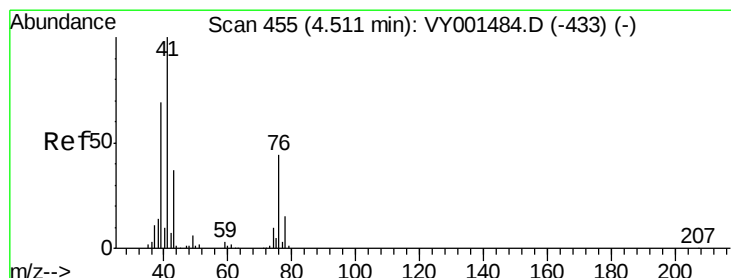
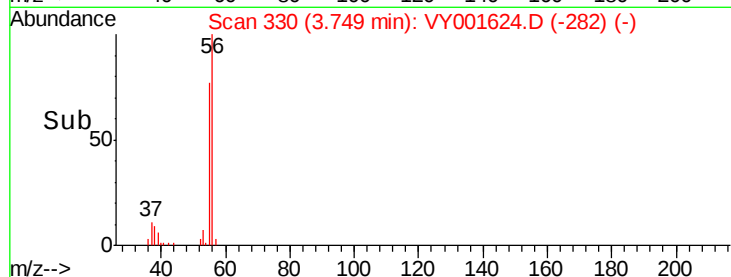
6000

4000

2000

0

Time--> 3.60 3.70 3.80 3.90



#14

Allyl chloride

Concen: 23.336 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

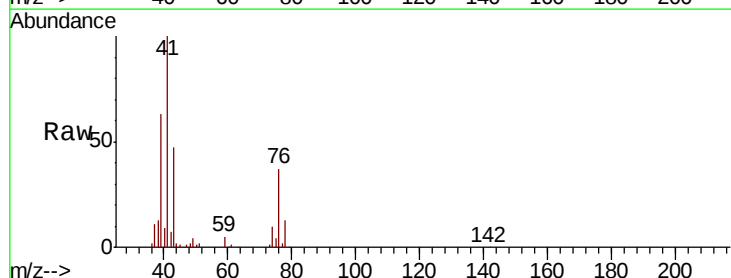
Tgt Ion: 41 Resp: 68119

Ion Ratio Lower Upper

41 100

39 64.8 53.0 79.6

76 36.2 32.6 48.8



Abundance Ion 41.00 (40.70 to 41.70): VY001484.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VY001484.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VY001484.D (-433) (-)

4.50

30000

25000

20000

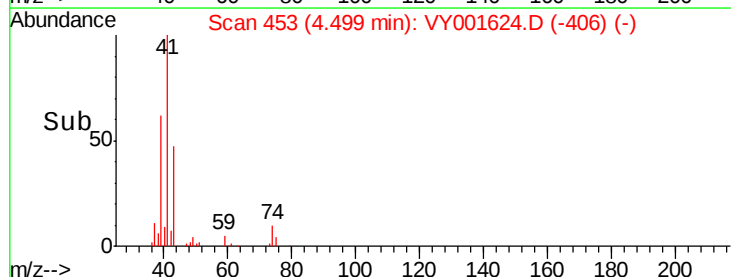
15000

10000

5000

0

Time--> 4.30 4.40 4.50 4.60 4.70





#15

Acrylonitrile

Concen: 122.837 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

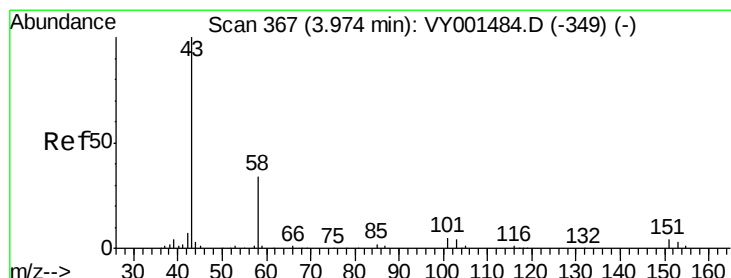
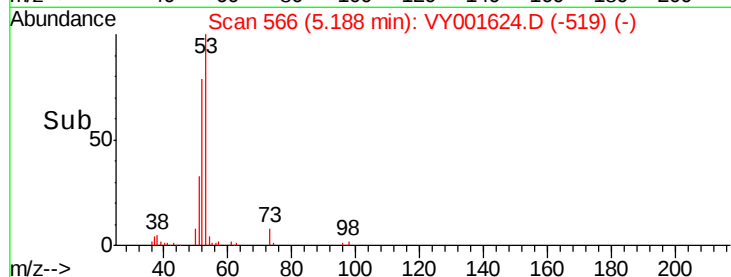
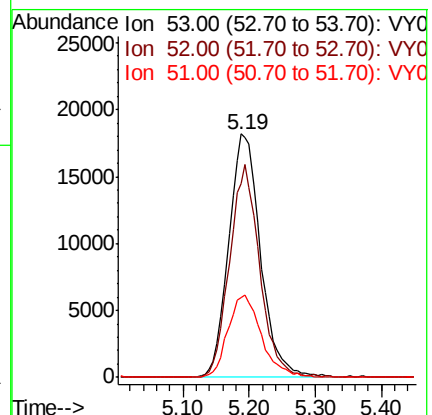
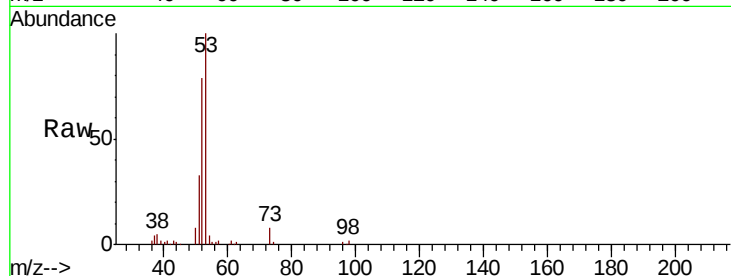
Tot Ion: 53 Resp: 60645

Ion Ratio Lower Upper

53 100

52 82.0 65.4 98.2

51 35.5 29.0 43.4



#16

Acetone

Concen: 109.664 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001624.D

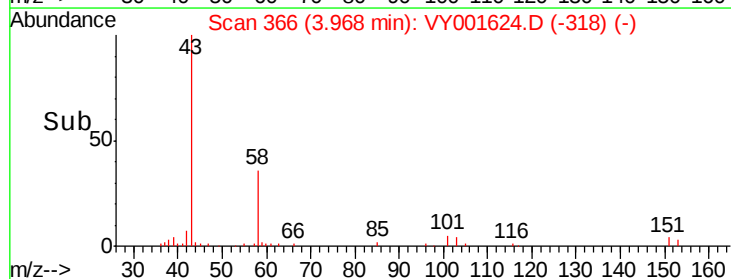
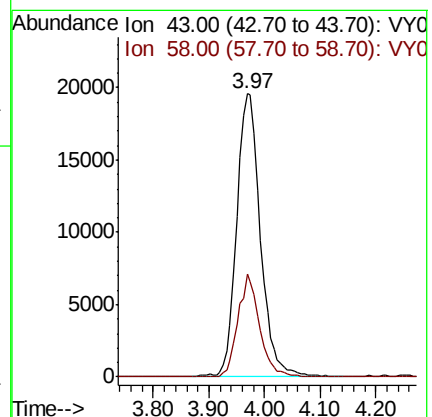
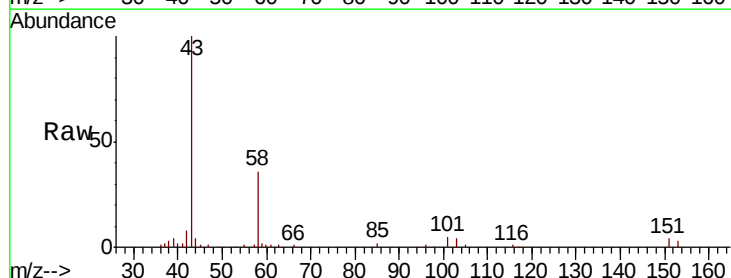
Acq: 13 Feb 2020 12:27

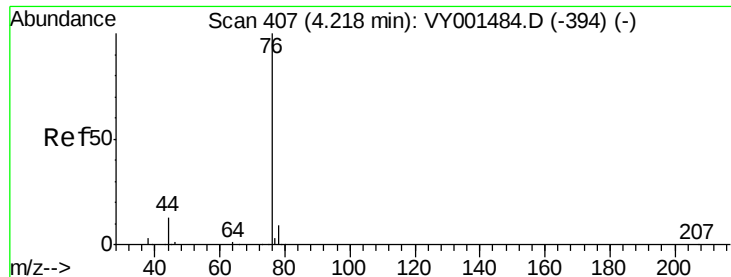
Tgt Ion: 43 Resp: 57966

Ion Ratio Lower Upper

43 100

58 36.2 27.5 41.3

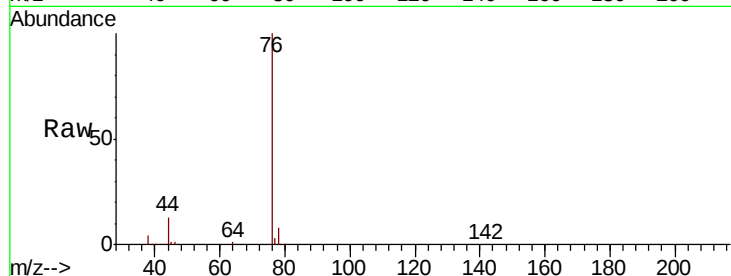




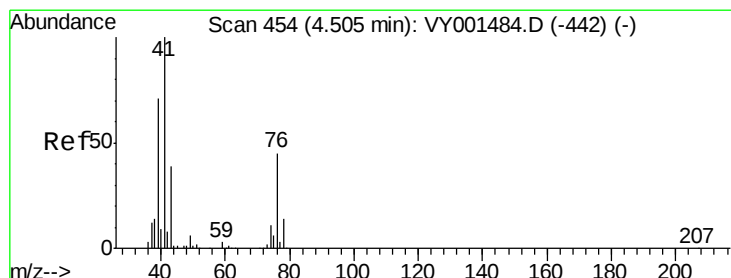
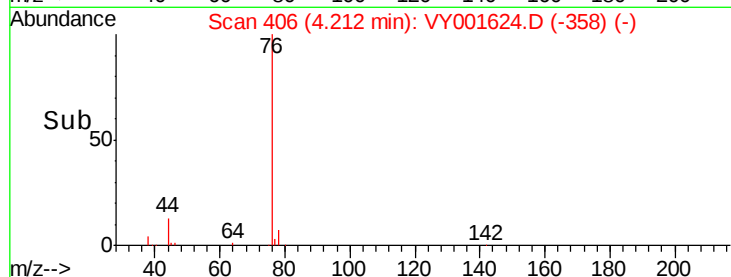
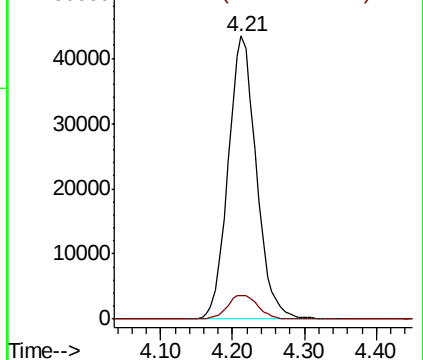
#17
Carbon Disulfide
Concen: 19.435 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 76 Resp: 118056
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6

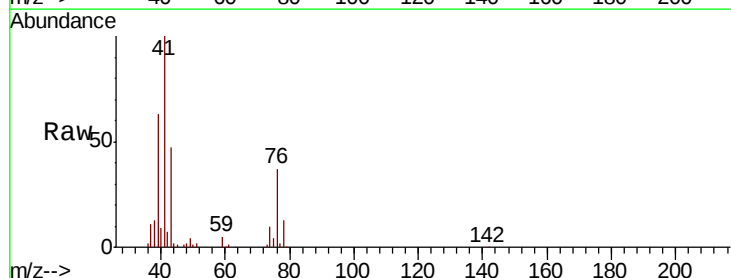


Abundance Ion 75.90 (75.60 to 76.60): VY0
Ion 77.90 (77.60 to 78.60): VY0

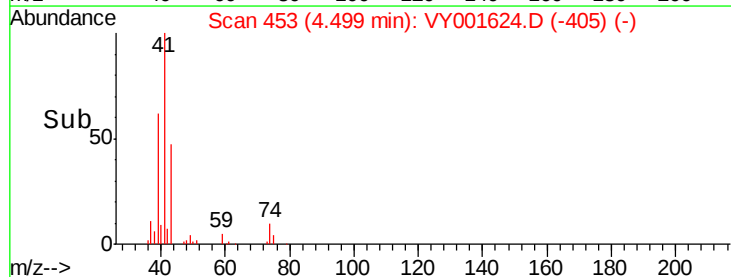
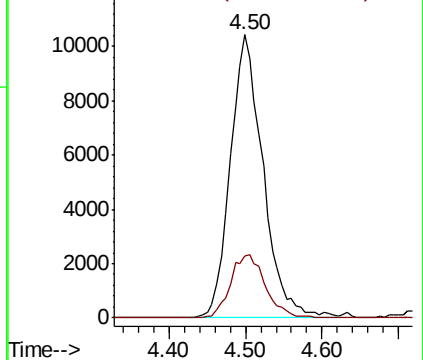


#18
Methyl Acetate
Concen: 27.367 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 43 Resp: 30869
Ion Ratio Lower Upper
43 100
74 23.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 74.00 (73.70 to 74.70): VY0

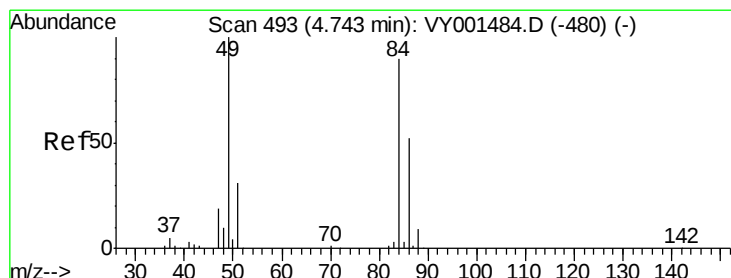
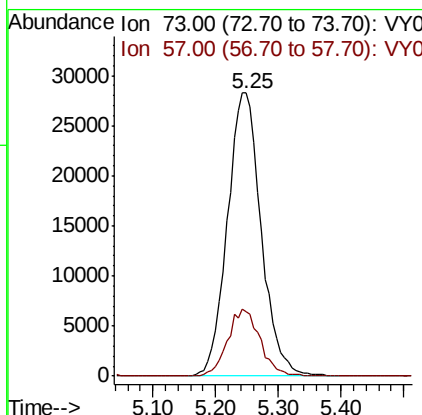
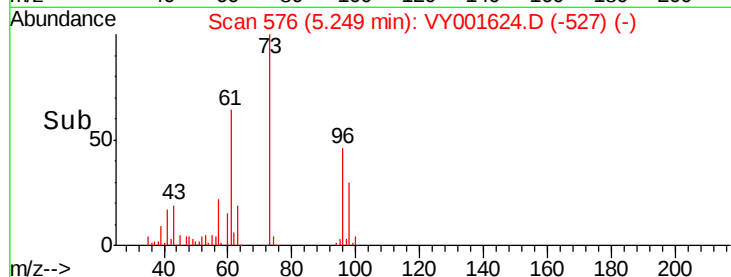
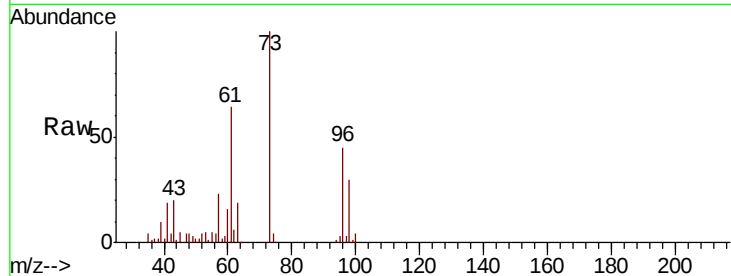




#19
Methyl tert-butyl Ether
Concen: 20.692 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

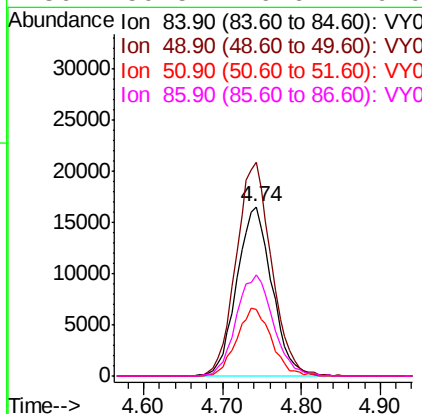
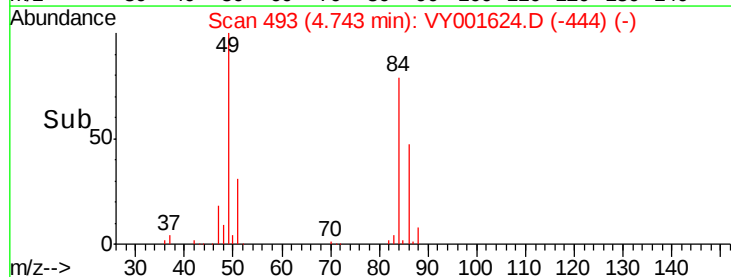
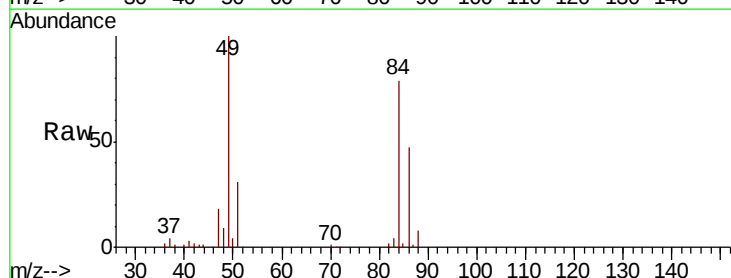
Instrument :
MSVOA_Y
ClientSampleId :

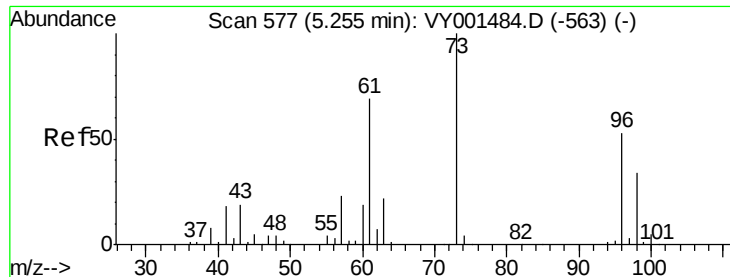
Tot Ion: 73 Resp: 105000
Ion Ratio Lower Upper
73 100
57 23.0 17.0 25.6



#20
Methylene Chloride
Concen: 21.976 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 84 Resp: 50966
Ion Ratio Lower Upper
84 100
49 126.2 89.0 133.6
51 39.6 27.4 41.2
86 59.5 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 20.126 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampled :

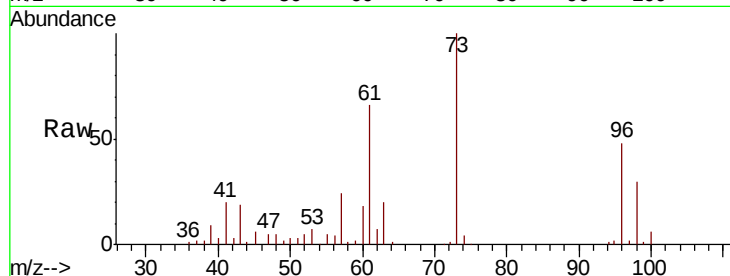
Tot Ion: 96 Resp: 42693

Ion Ratio Lower Upper

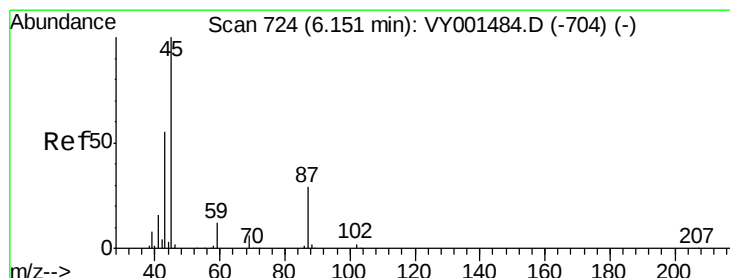
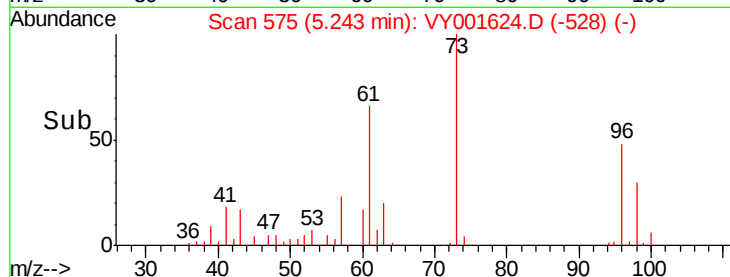
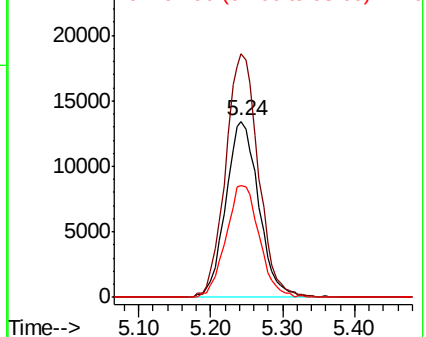
96 100

61 138.3 104.2 156.4

98 63.4 51.4 77.0



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



#22

Diisopropyl ether

Concen: 23.624 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Tgt Ion: 45 Resp: 136623

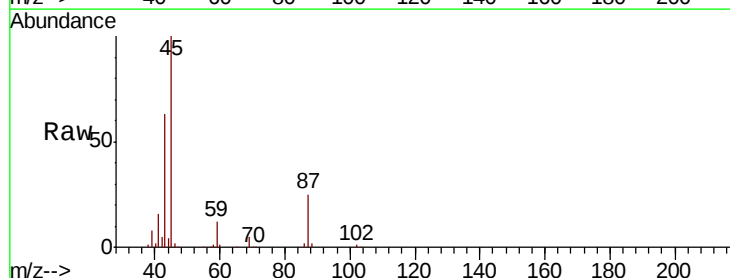
Ion Ratio Lower Upper

45 100

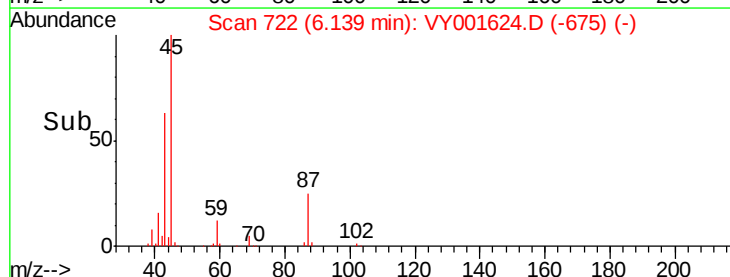
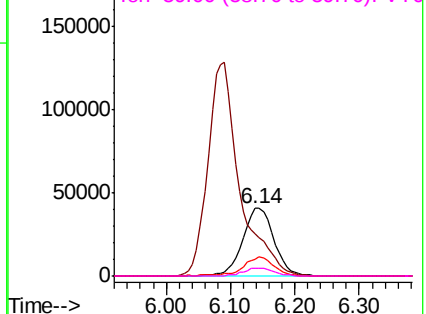
43 62.4 44.2 66.4

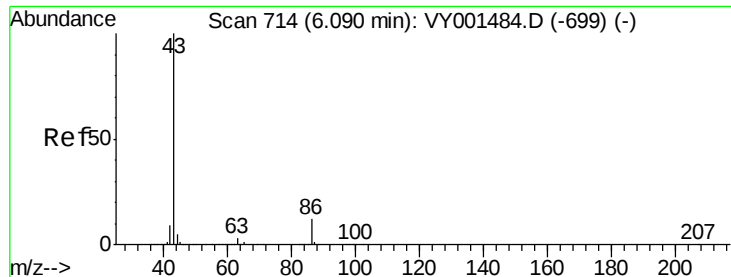
87 24.9 23.9 35.9

59 11.9 10.2 15.2



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: 120.286 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

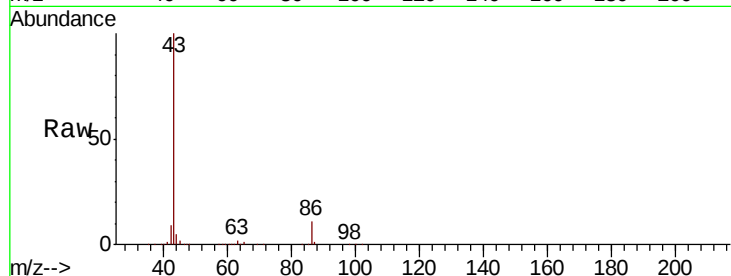
ClientSampled :

Tot Ion: 43 Resp: 442834

Ion Ratio Lower Upper

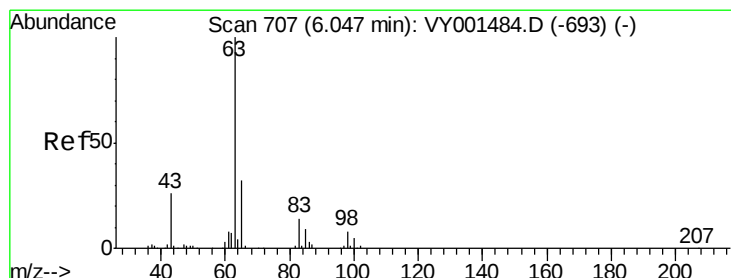
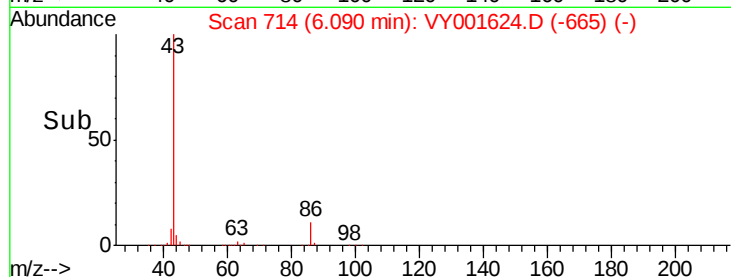
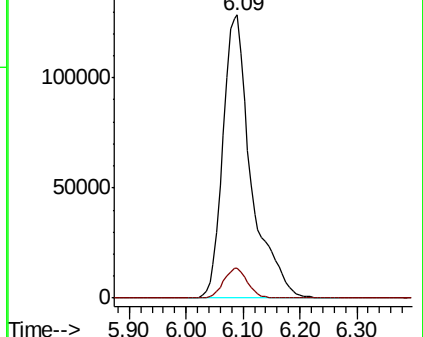
43 100

86 10.6 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VY001624.D (-699) (-)

Ion 86.00 (85.70 to 86.70): VY001624.D (-699) (-)



#24

1,1-Dichloroethane

Concen: 21.042 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

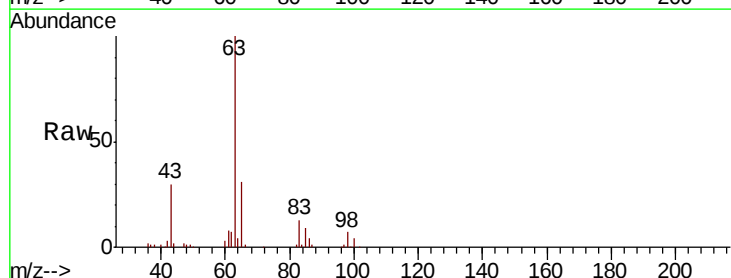
Tgt Ion: 63 Resp: 73197

Ion Ratio Lower Upper

63 100

98 6.7 4.0 11.9

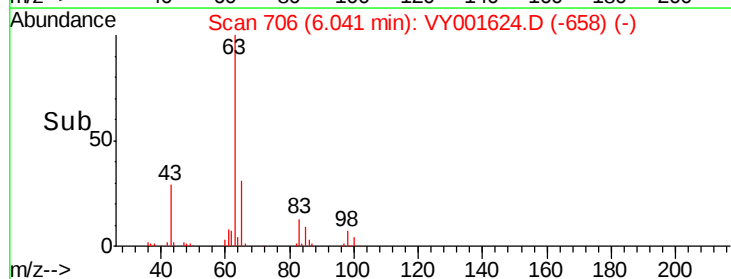
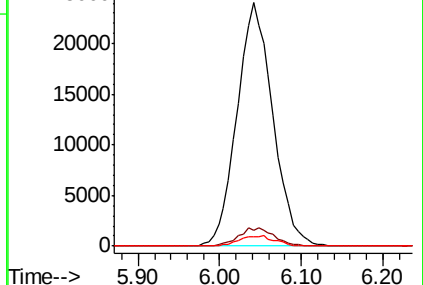
100 4.0 2.6 8.0

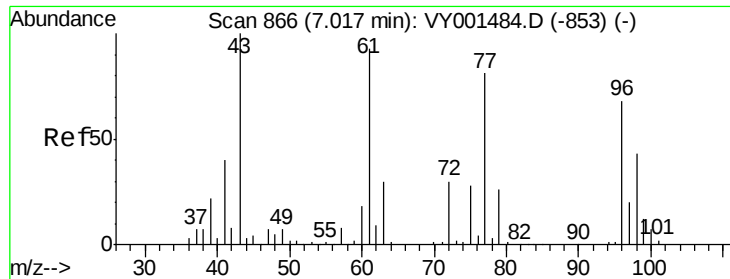


Abundance Ion 62.90 (62.60 to 63.60): VY001624.D (-693) (-)

Ion 97.90 (97.60 to 98.60): VY001624.D (-693) (-)

Ion 99.90 (99.60 to 100.60): VY001624.D (-693) (-)

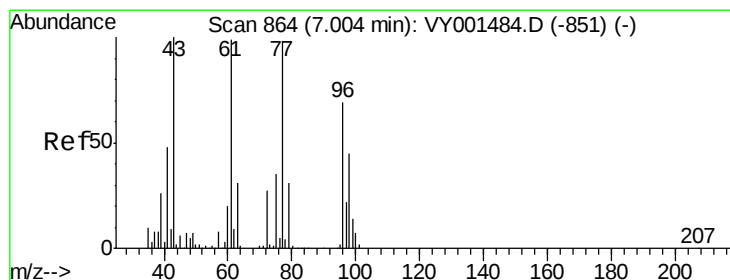
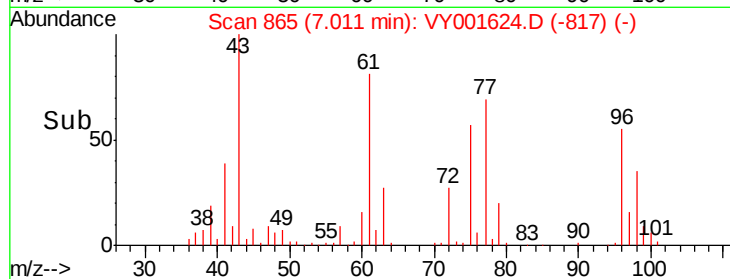
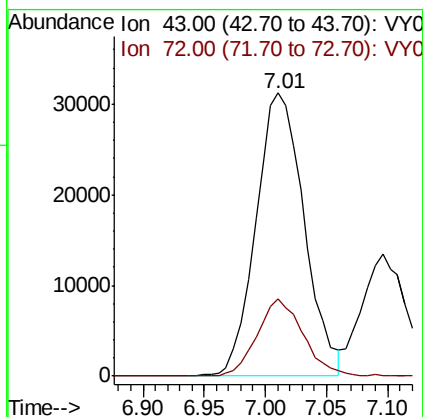
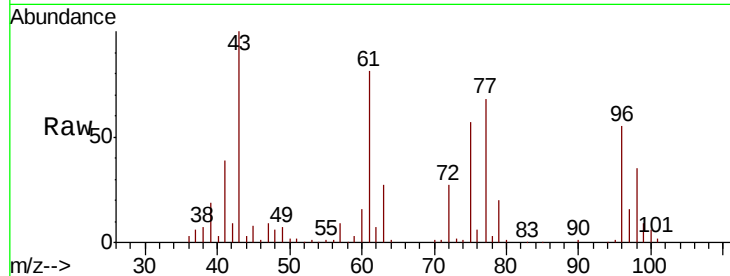




#25
2-Butanone
Concen: 124.880 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

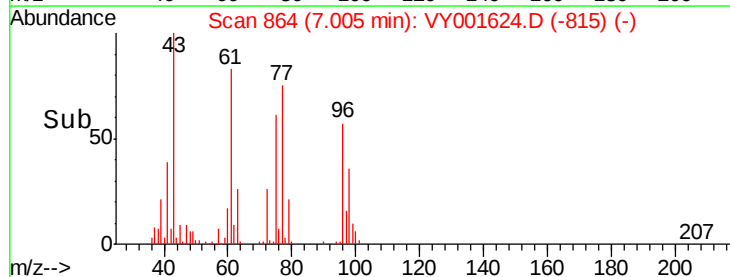
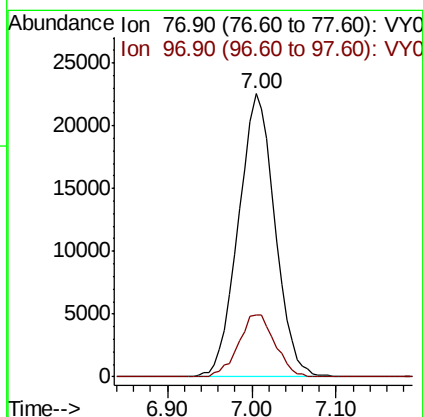
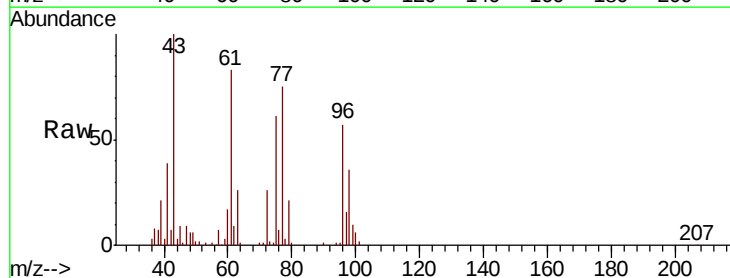
Instrument :
MSVOA_Y
ClientSampled :

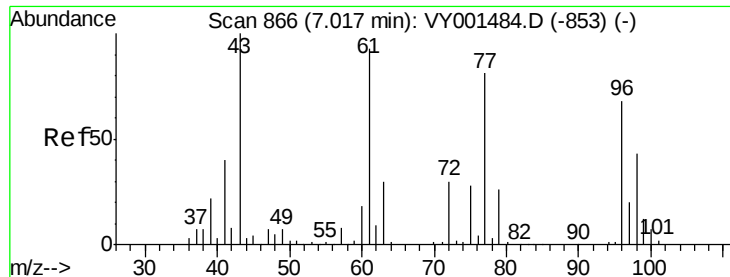
Tot Ion: 43 Resp: 85636
Ion Ratio Lower Upper
43 100
72 27.4 23.8 35.8



#26
2,2-Dichloropropane
Concen: 19.911 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 77 Resp: 66288
Ion Ratio Lower Upper
77 100
97 22.0 11.7 35.0



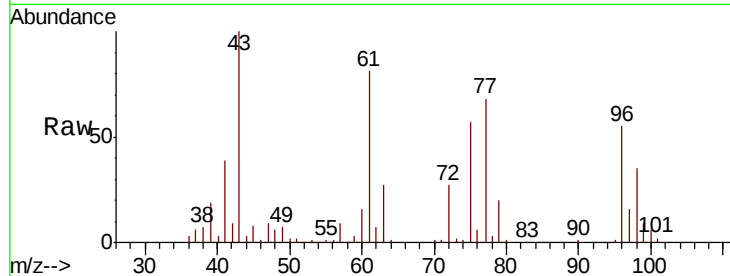


#27

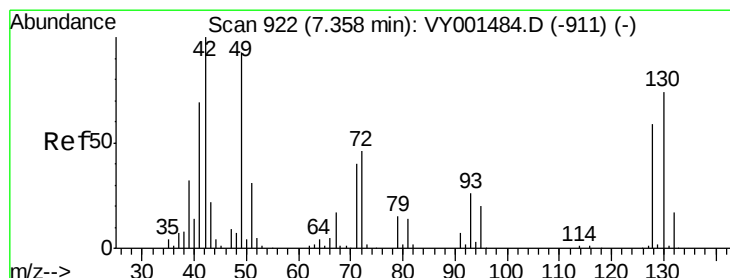
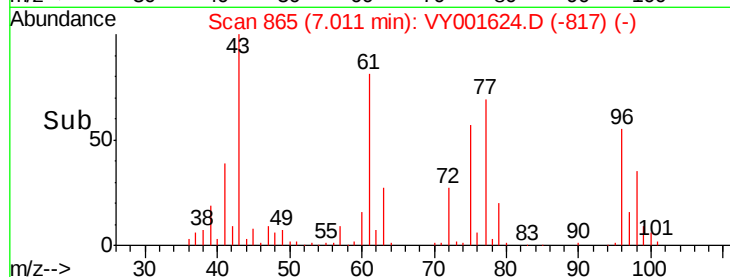
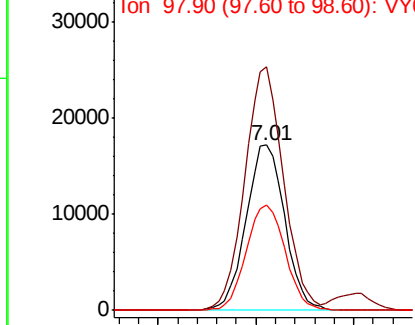
cis-1,2-Dichloroethene
Concen: 20.567 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 47650
Ion Ratio Lower Upper
96 100
61 146.3 0.0 278.8
98 63.8 0.0 128.8



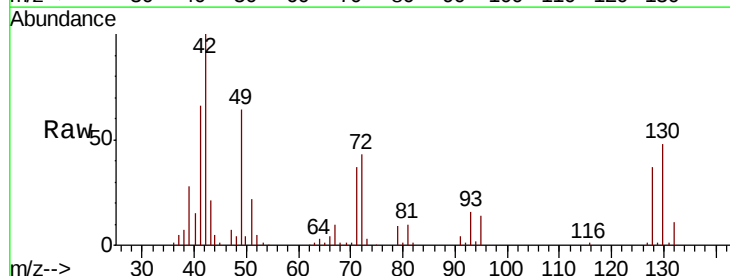
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



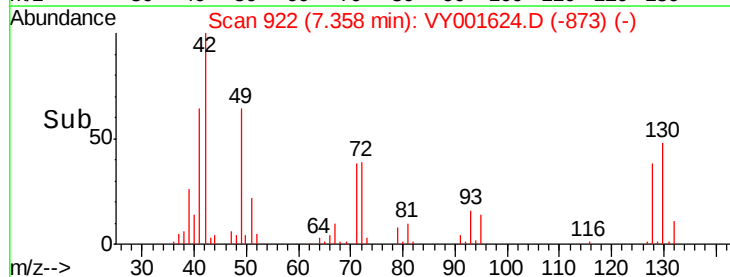
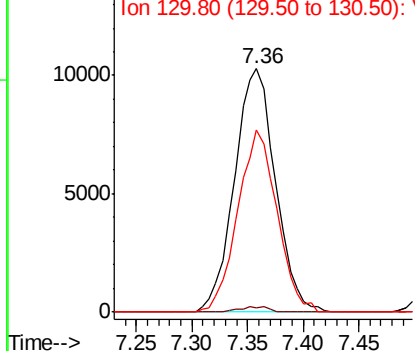
#28

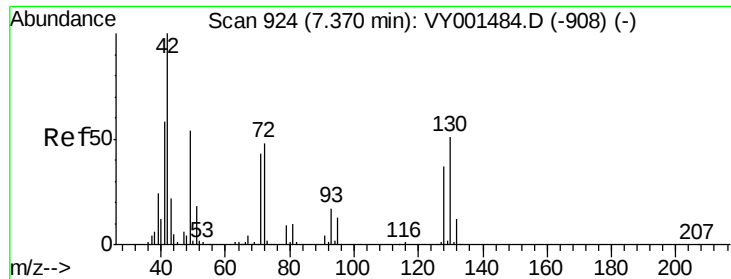
Bromochloromethane
Concen: 22.172 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 49 Resp: 26274
Ion Ratio Lower Upper
49 100
129 1.5 0.0 4.8
130 71.5 65.4 98.2



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

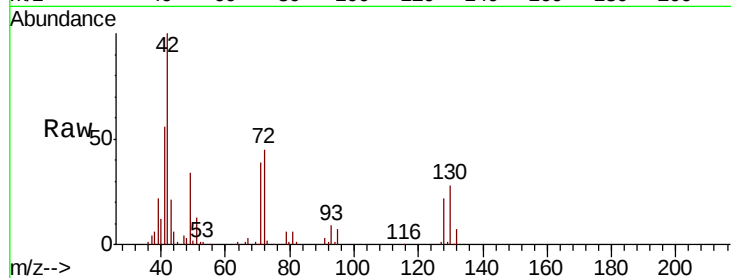




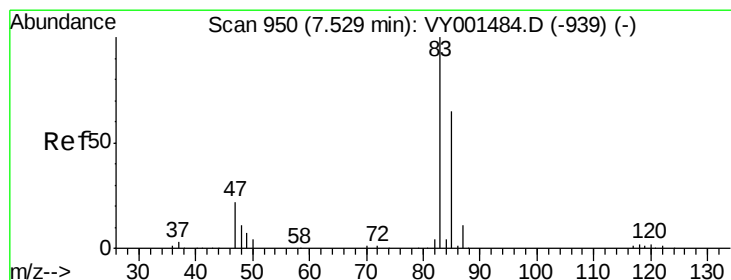
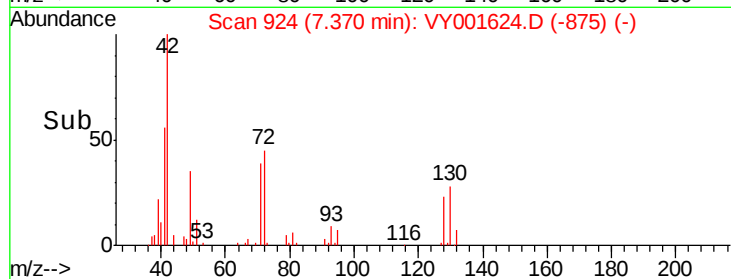
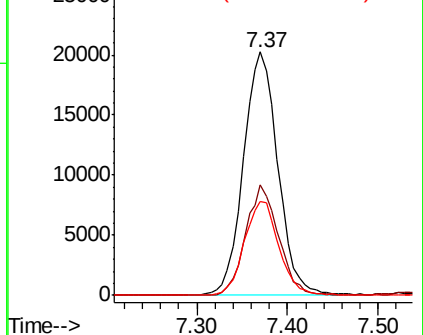
#29
Tetrahydrofuran
Concen: 129.605 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 42 Resp: 53270
Ion Ratio Lower Upper
42 100
72 42.9 37.8 56.6
71 38.8 34.8 52.2

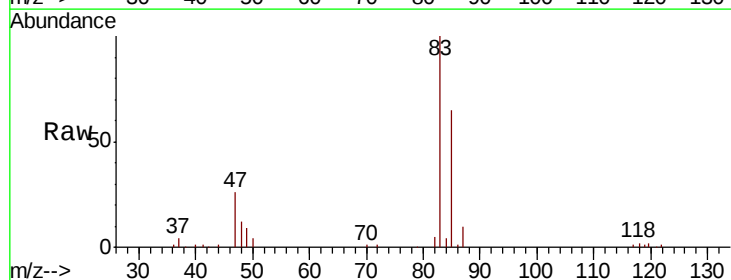


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

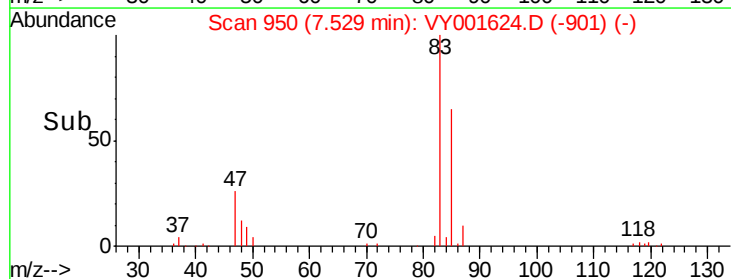
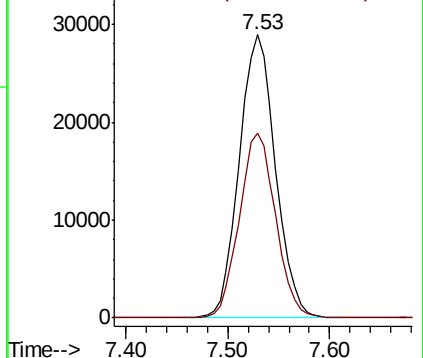


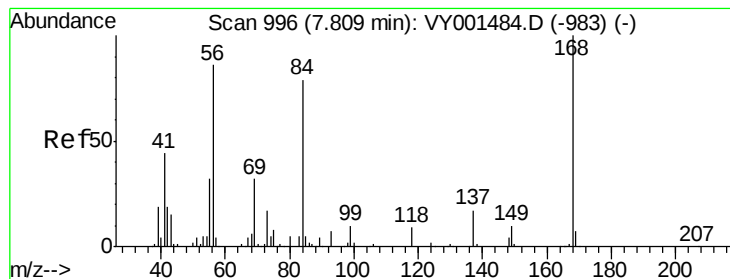
#30
Chloroform
Concen: 20.189 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 83 Resp: 71138
Ion Ratio Lower Upper
83 100
85 65.5 52.4 78.6



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





#31

Cyclohexane

Concen: 20.928 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :

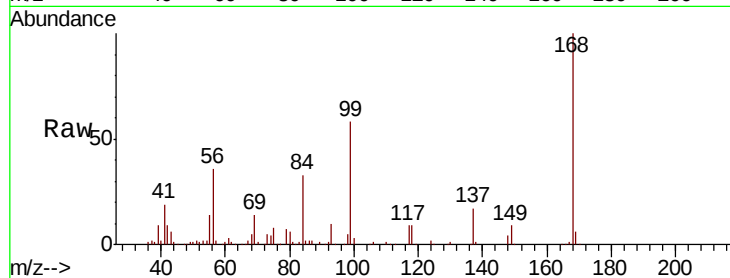
Tot Ion: 56 Resp: 74466

Ion Ratio Lower Upper

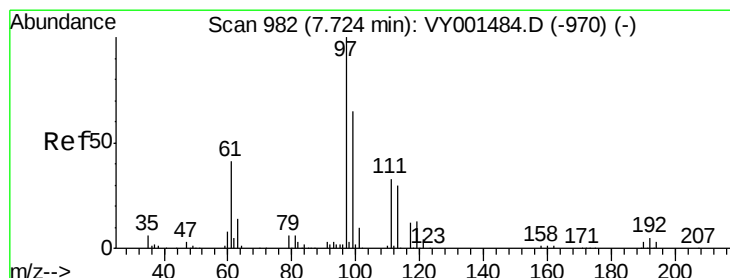
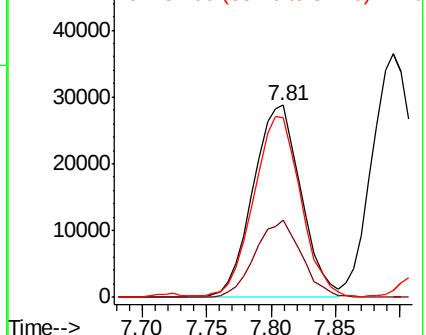
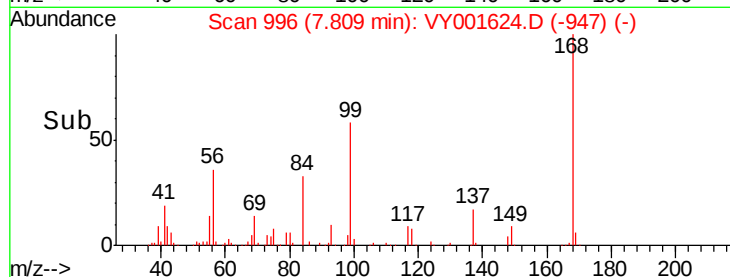
56 100

69 40.2 29.6 44.4

84 92.5 73.6 110.4



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: 19.373 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

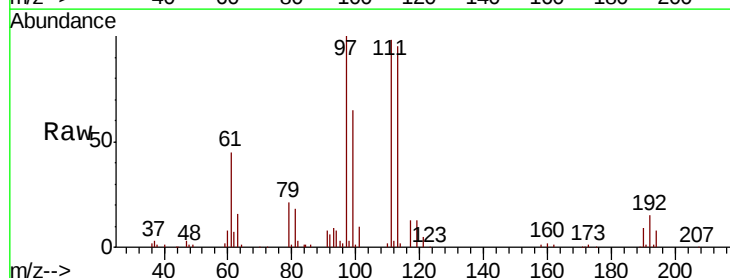
Tgt Ion: 97 Resp: 61889

Ion Ratio Lower Upper

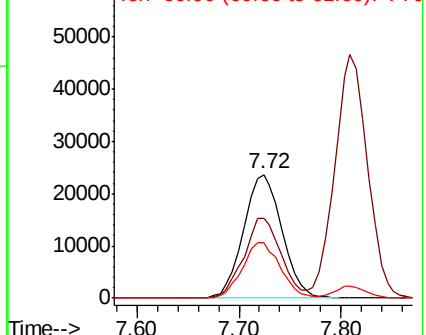
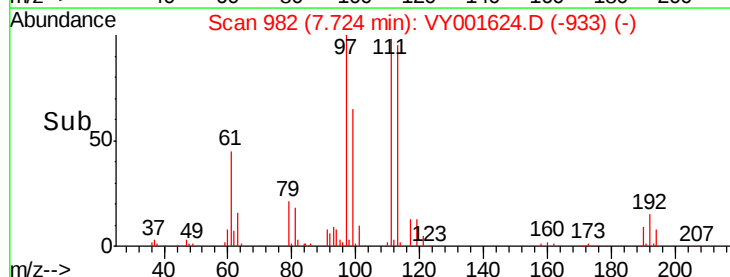
97 100

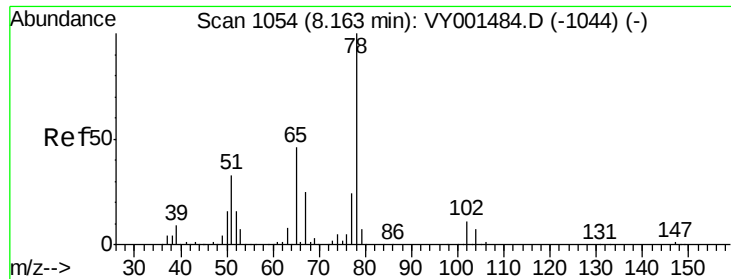
99 63.1 51.8 77.8

61 44.6 32.5 48.7



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

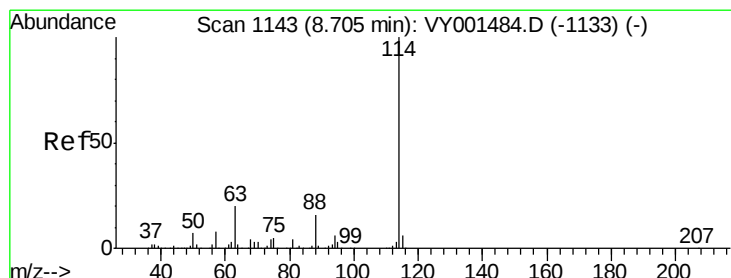
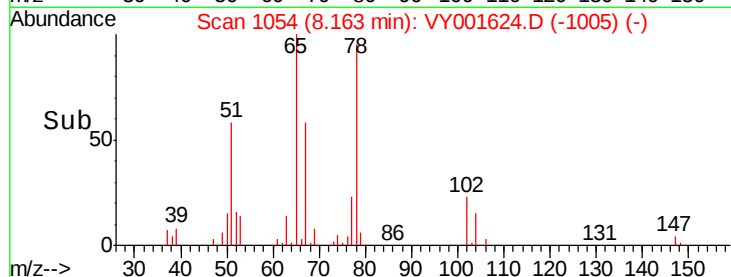
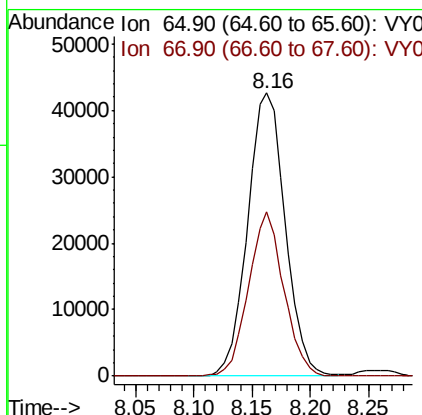
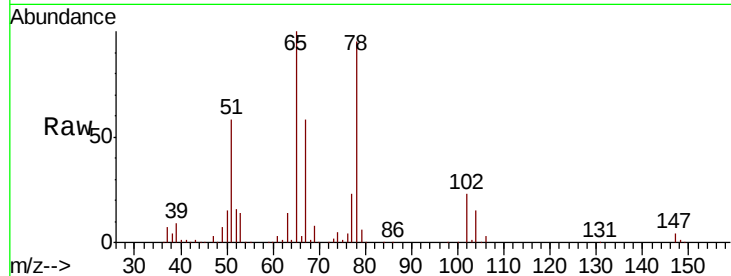




#33
 1,2-Dichloroethane-d4
 Concen: 52.394 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

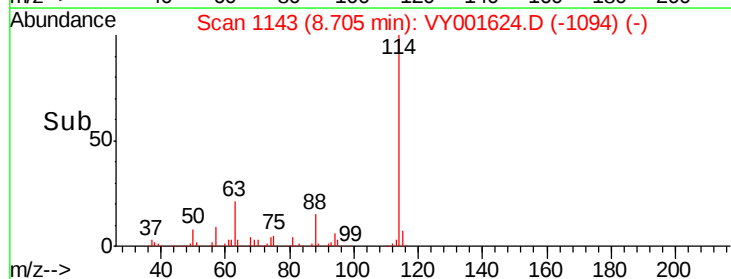
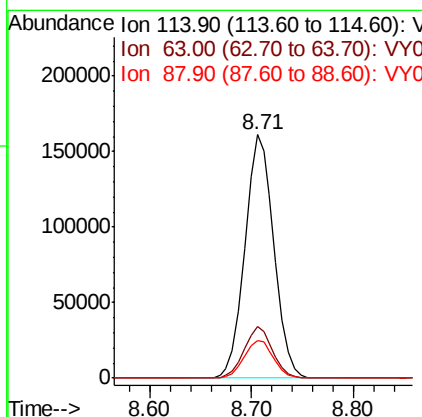
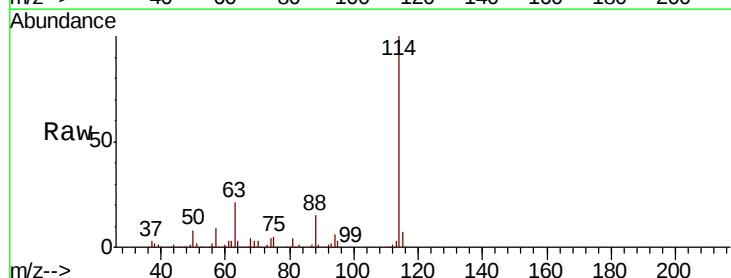
Instrument :
 MSVOA_Y
 ClientSampleId :

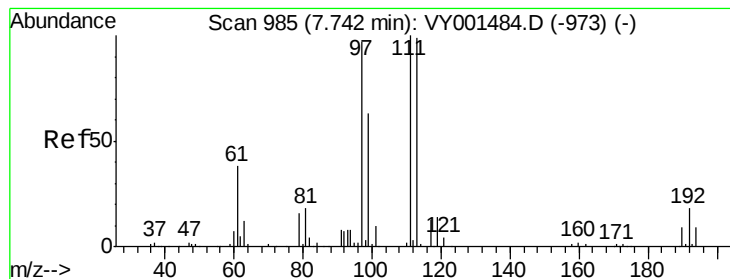
Tot Ion: 65 Resp: 95742
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion: 114 Resp: 316837
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.8
 88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.086 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

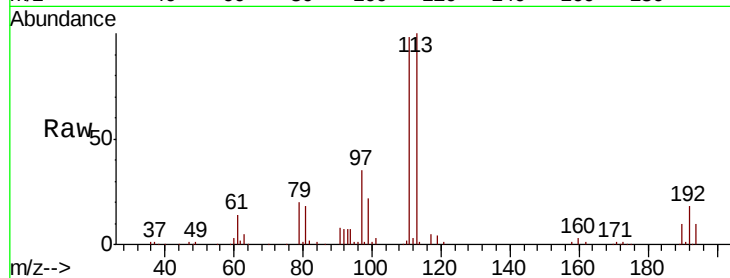
Tot Ion:113 Resp: 89681

Ion Ratio Lower Upper

113 100

111 101.7 82.9 124.3

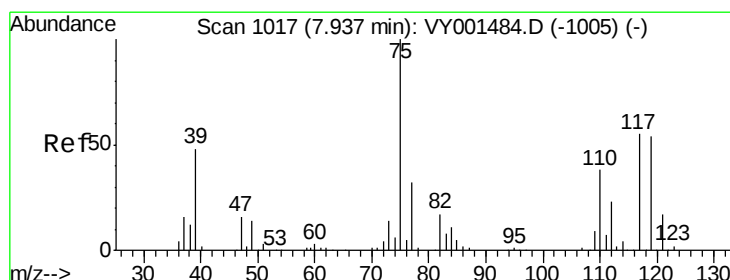
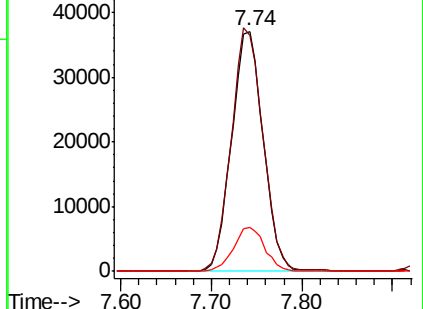
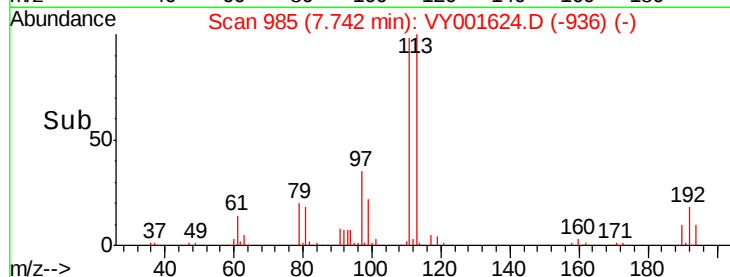
192 18.2 14.6 22.0



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: 20.352 ug/l

RT: 7.94 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

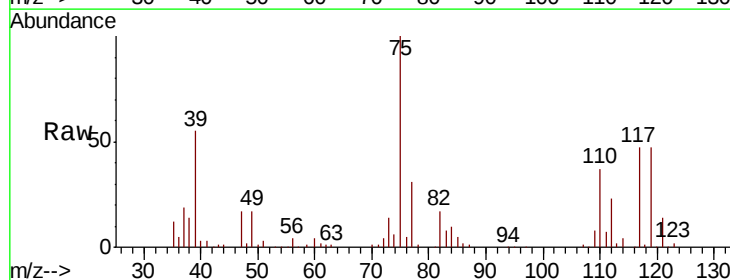
Tgt Ion: 75 Resp: 58990

Ion Ratio Lower Upper

75 100

110 35.9 18.2 54.6

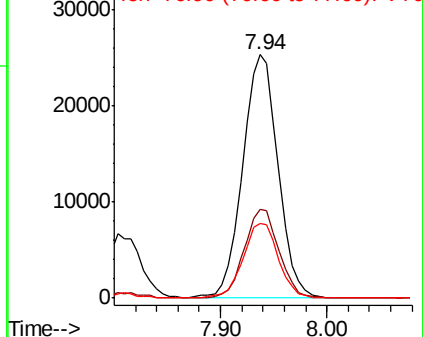
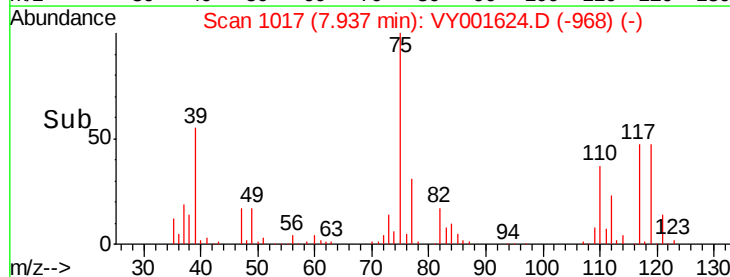
77 30.8 25.0 37.4

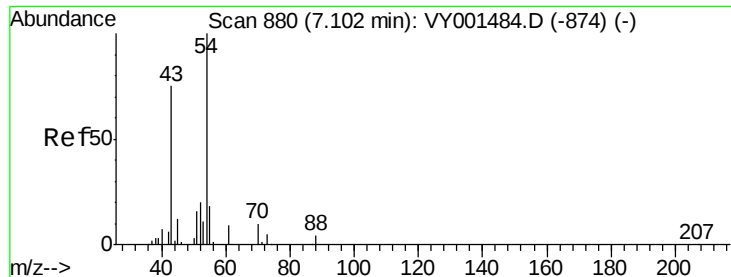


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

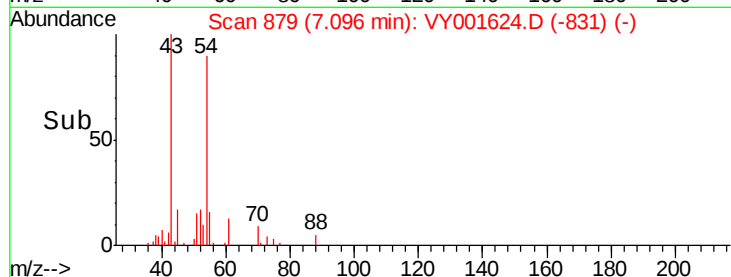
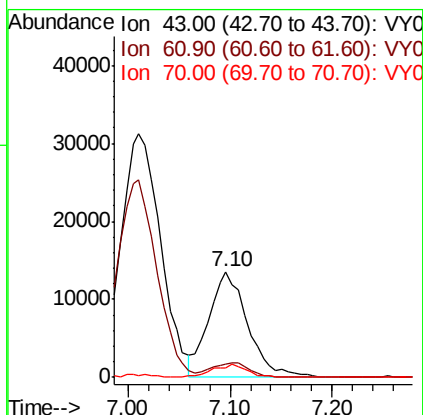
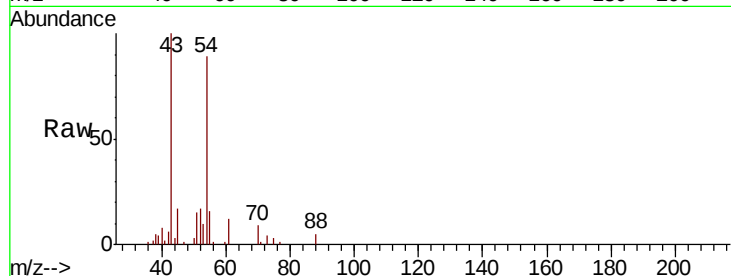




#37
Ethyl Acetate
Concen: 25.398 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

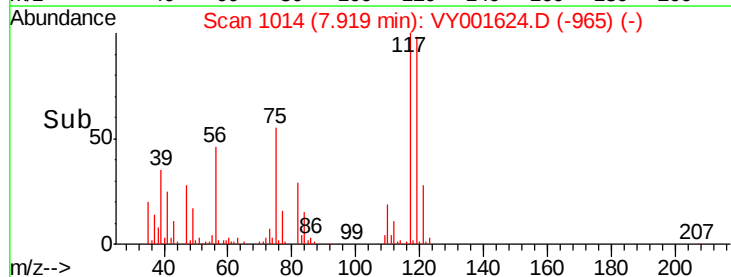
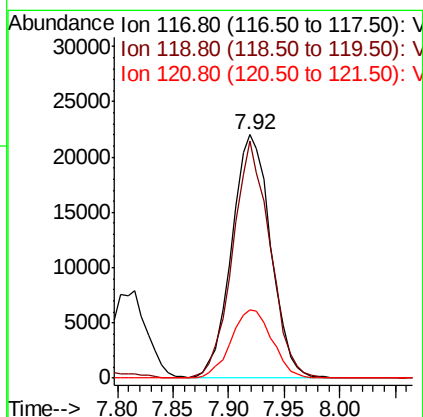
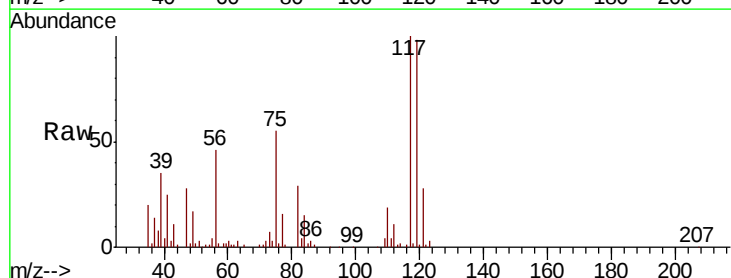
Instrument :
MSVOA_Y
ClientSampleId :

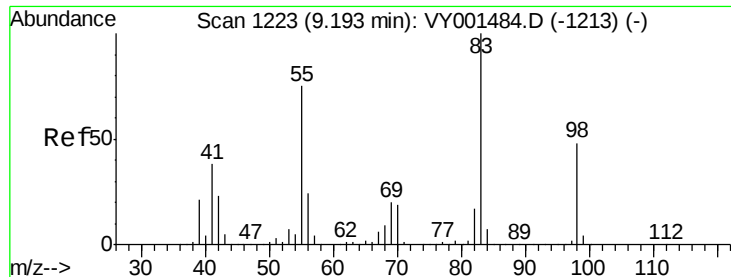
Tot Ion: 43 Resp: 35637
Ion Ratio Lower Upper
43 100
61 13.4 12.0 18.0
70 11.0 10.2 15.4



#38
Carbon Tetrachloride
Concen: 19.105 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 117 Resp: 53576
Ion Ratio Lower Upper
117 100
119 97.7 76.4 114.6
121 28.2 24.2 36.4

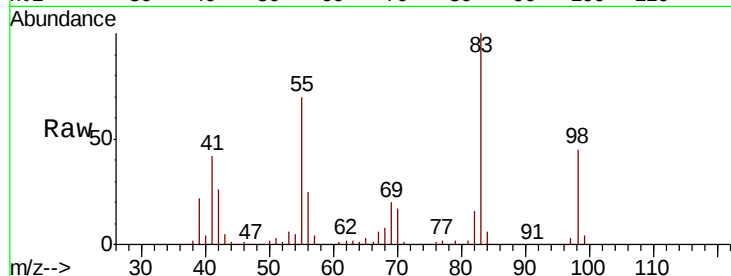




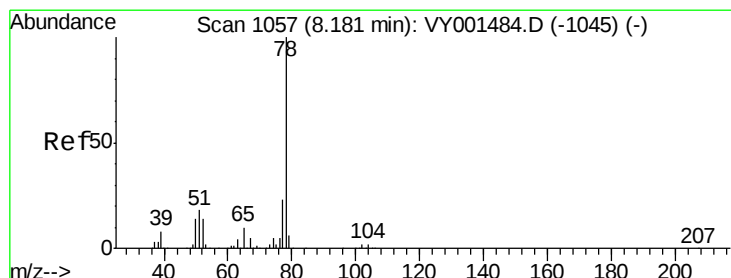
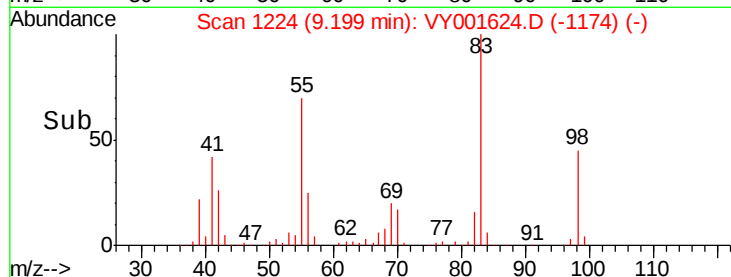
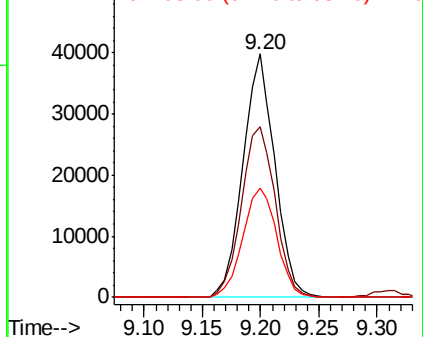
#39
Methvlcvclohexane
Concen: 19.974 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 76230
Ion Ratio Lower Upper
83 100
55 70.2 59.8 89.6
98 44.7 38.6 57.8

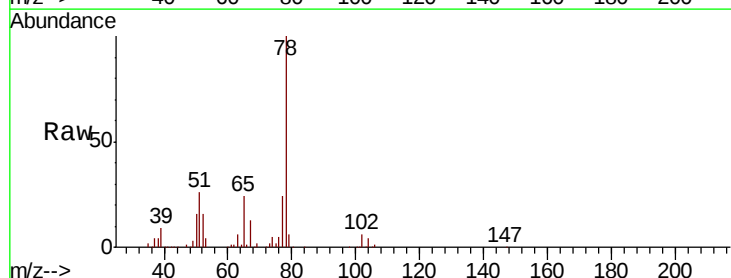


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

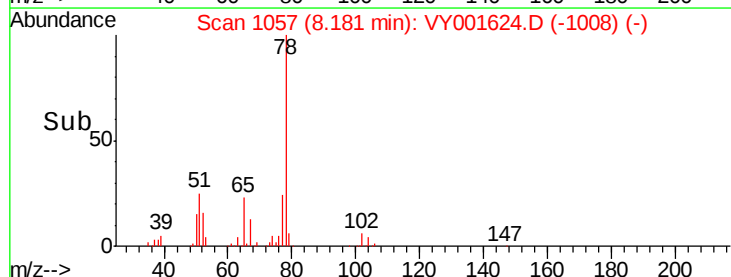
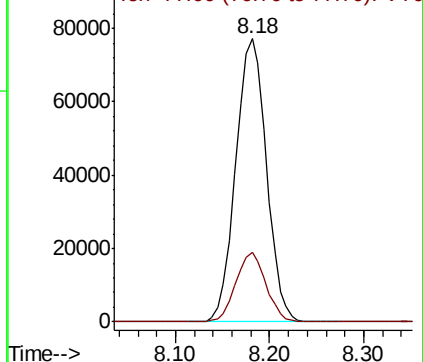


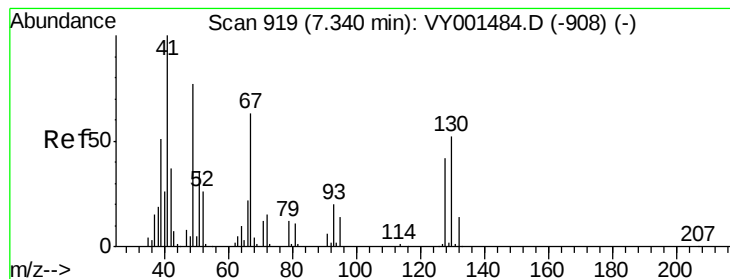
#40
Benzene
Concen: 21.104 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 78 Resp: 174474
Ion Ratio Lower Upper
78 100
77 24.5 18.5 27.7



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





#41

Methacrylonitrile

Concen: 73.901 ug/l

RT: 7.37 min Scan# 924

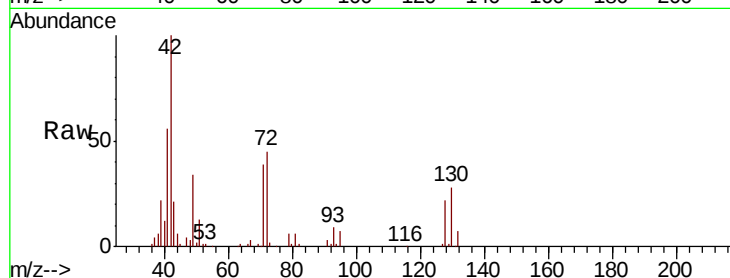
Delta R.T. 0.03 min

Lab File: VY001624.D

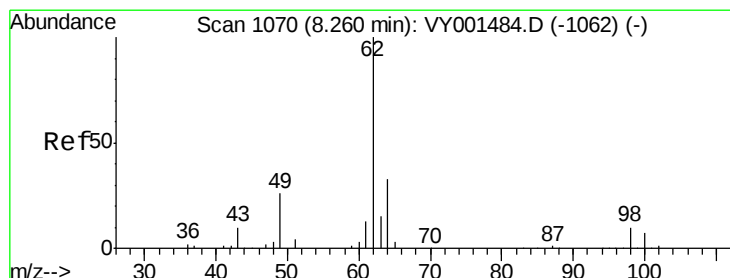
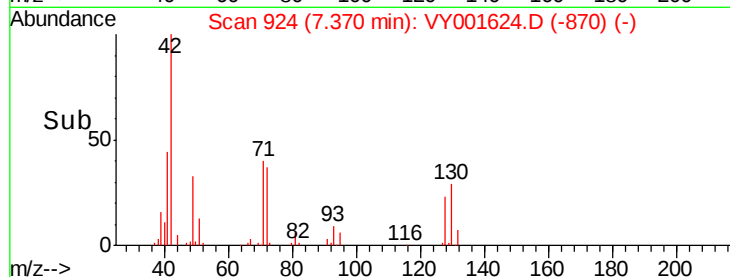
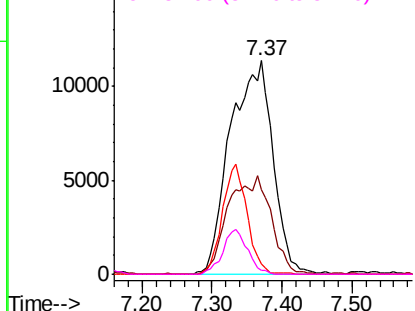
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	48058
Ion	Ratio	Lower	Upper
41	100		
39	46.1	116.8	175.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



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



#42

1,2-Dichloroethane

Concen: 21.066 ug/l

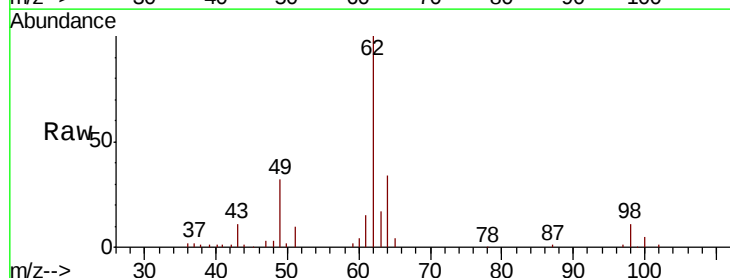
RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

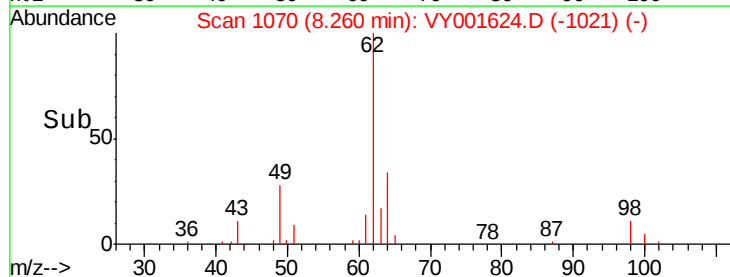
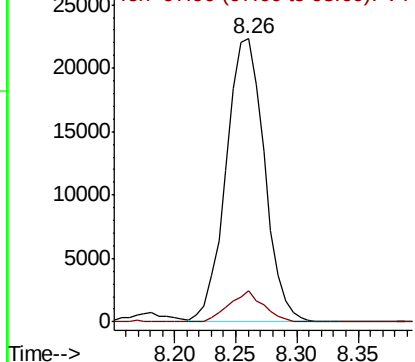
Lab File: VY001624.D

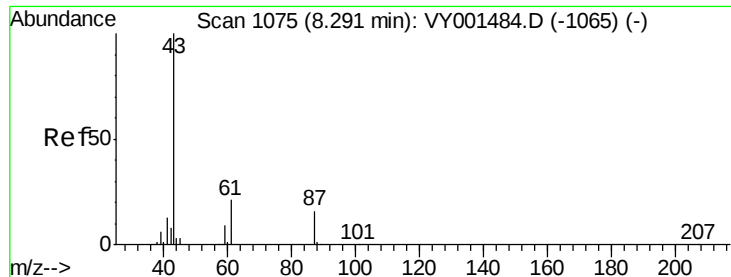
Acq: 13 Feb 2020 12:27

Tgt Ion:	62	Resp:	48520
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	21.0



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





#43

Isopropyl Acetate

Concen: 24.677 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

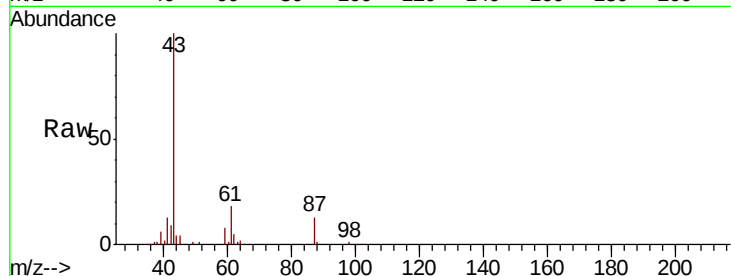
Tot Ion: 43 Resp: 68556

Ion Ratio Lower Upper

43 100

61 27.9 25.1 37.7

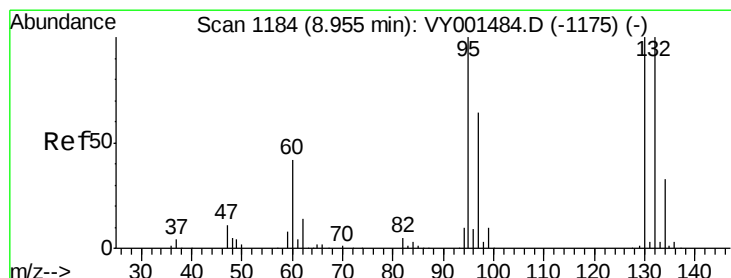
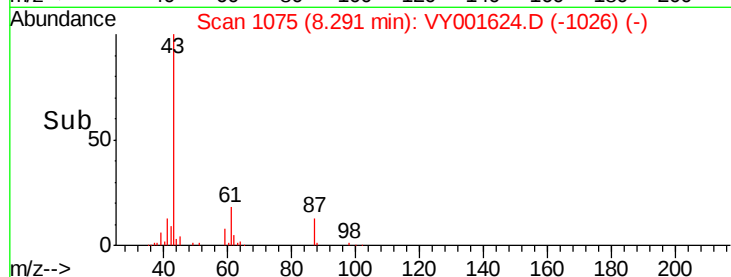
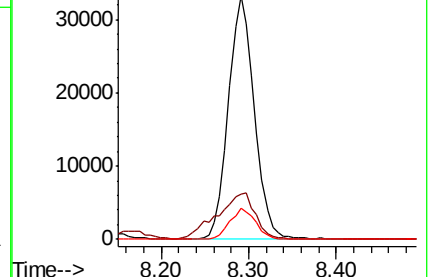
87 12.7 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VY001624.D (-1065) (-)

Ion 61.00 (60.70 to 61.70): VY001624.D (-1065) (-)

Ion 87.00 (86.70 to 87.70): VY001624.D (-1065) (-)



#44

Trichloroethene

Concen: 19.513 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VY001624.D

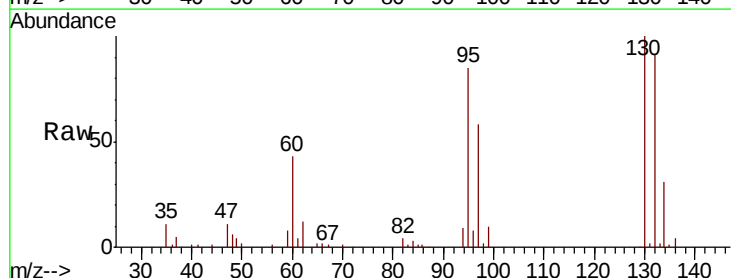
Acq: 13 Feb 2020 12:27

Tgt Ion:130 Resp: 43483

Ion Ratio Lower Upper

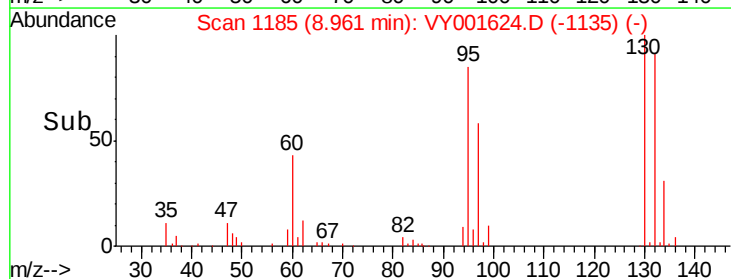
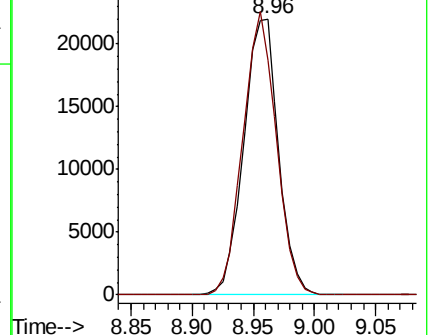
130 100

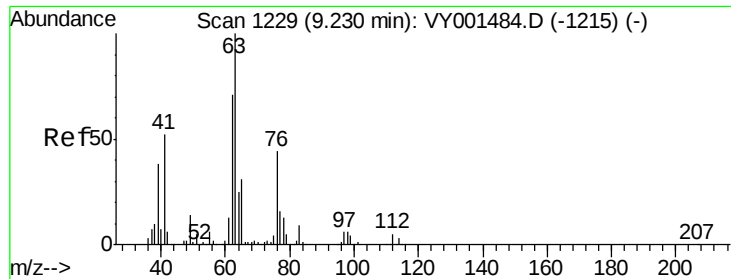
95 84.8 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): VY001624.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY001624.D (-1135) (-)





#45

1,2-Dichloropropane

Concen: 22.039 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

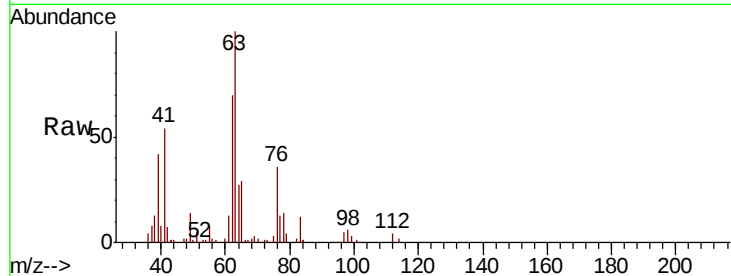
ClientSampleId :

Tot Ion: 63 Resp: 43997

Ion Ratio Lower Upper

63 100

65 29.1 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.23

25000

20000

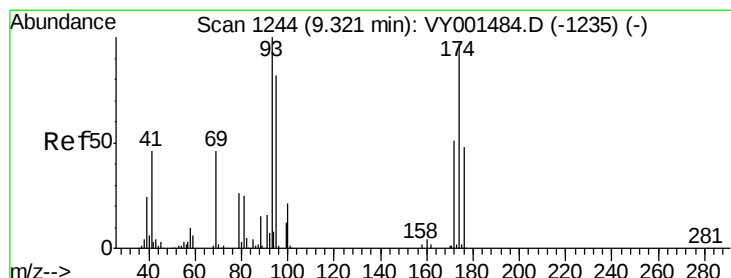
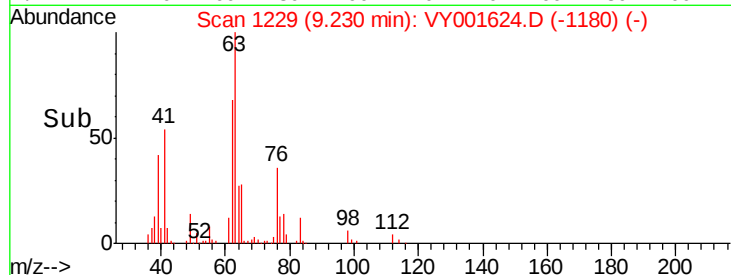
15000

10000

5000

0

Time--> 9.10 9.20 9.30



#46

Dibromomethane

Concen: 20.549 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

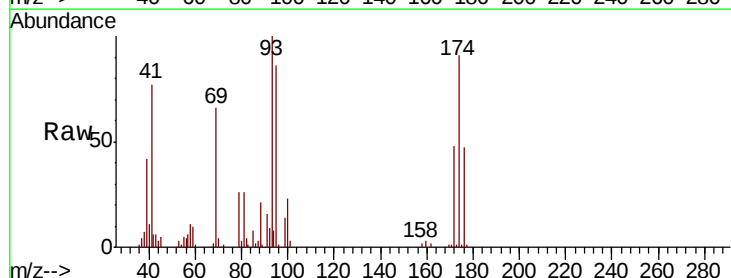
Tgt Ion: 93 Resp: 23036

Ion Ratio Lower Upper

93 100

95 84.1 66.6 99.8

174 92.5 75.4 113.2



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

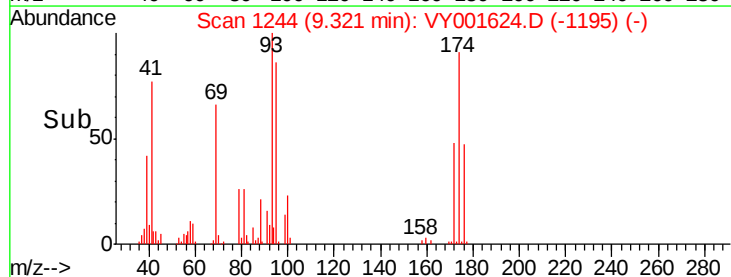
15000

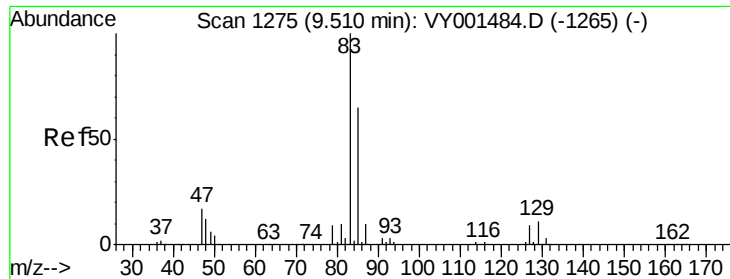
10000

5000

0

Time--> 9.25 9.30 9.35 9.40





#47

Bromodichloromethane

Concen: 19.960 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

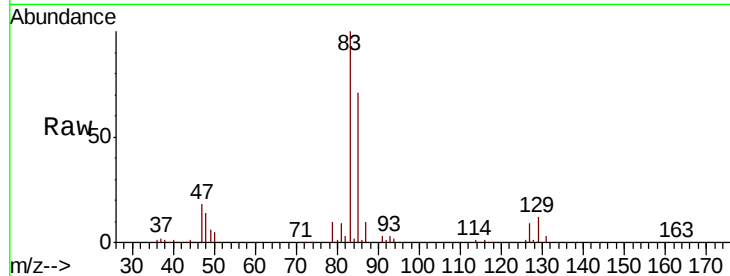
Tot Ion: 83 Resp: 54519

Ion Ratio Lower Upper

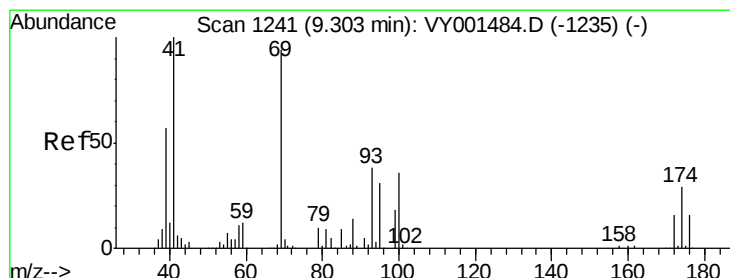
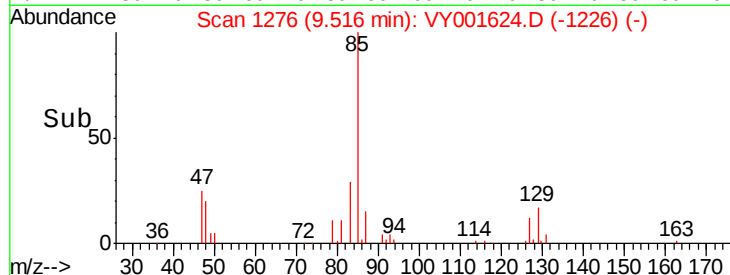
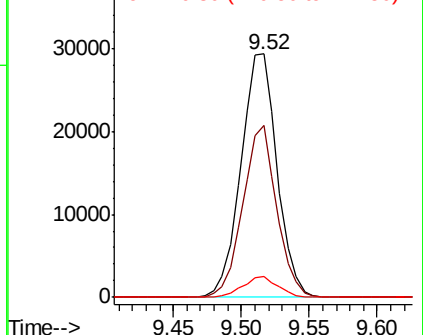
83 100

85 70.8 51.9 77.9

127 8.6 6.9 10.3



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



#48

Methyl methacrylate

Concen: 23.811 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

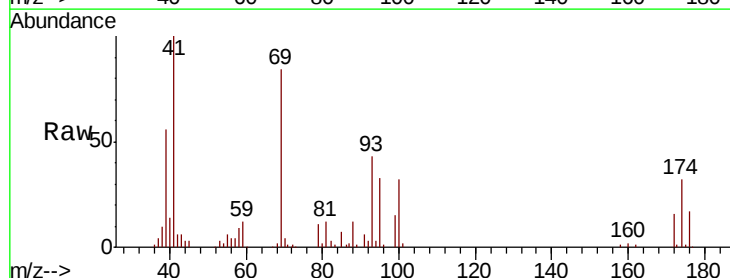
Tgt Ion: 41 Resp: 30023

Ion Ratio Lower Upper

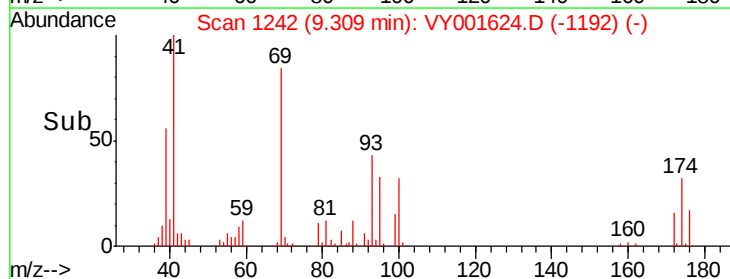
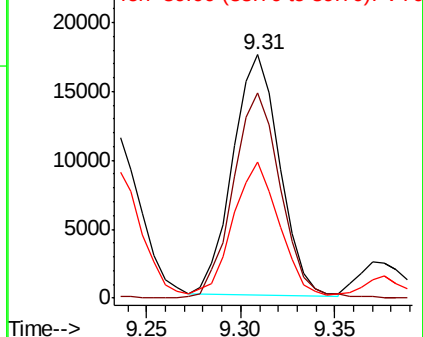
41 100

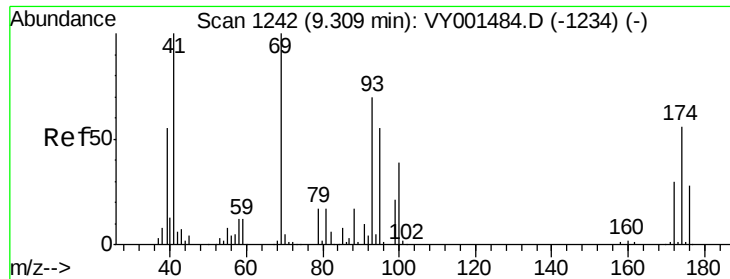
69 86.5 76.6 114.8

39 56.7 45.4 68.0



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

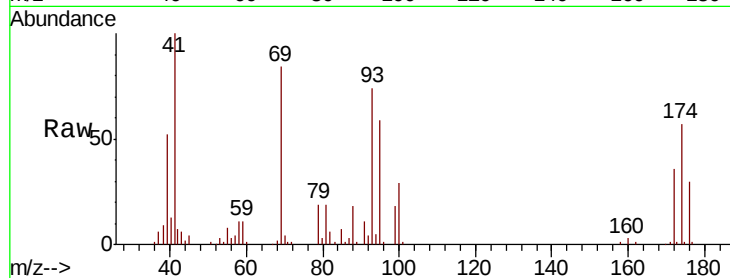




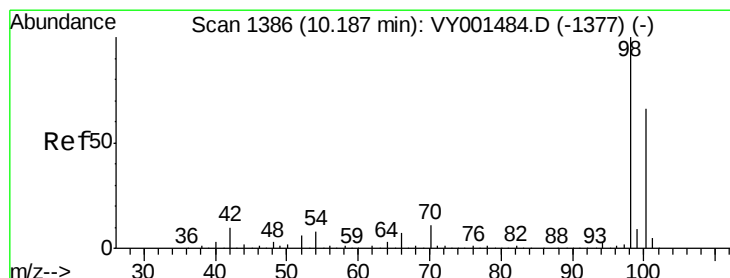
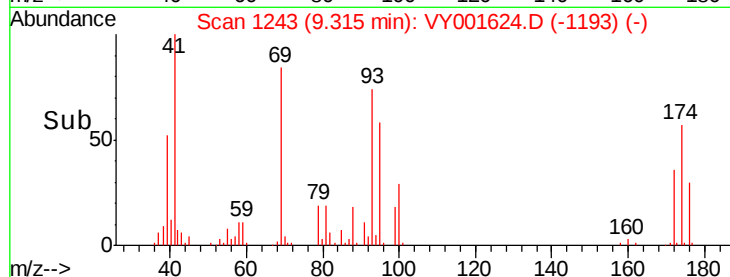
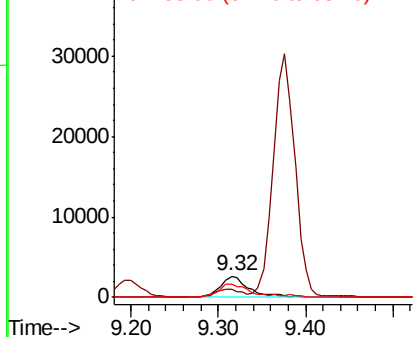
#49
1,4-Dioxane
Concen: 421.288 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 6237
Ion Ratio Lower Upper
88 100
43 32.5 24.8 37.2
58 72.6 59.3 88.9

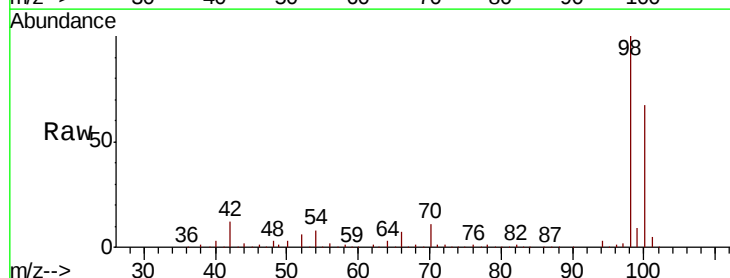


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

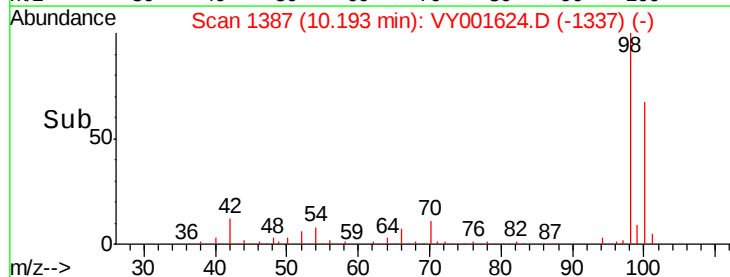
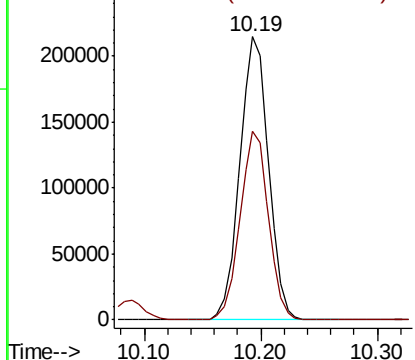


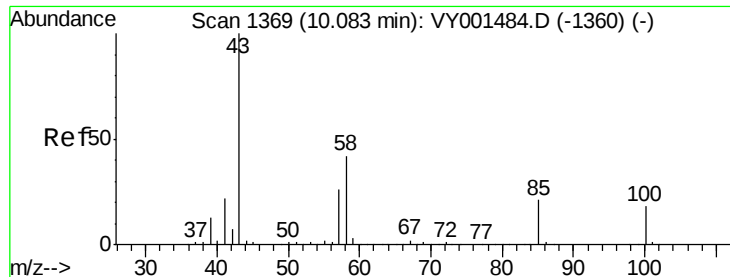
#50
Toluene-d8
Concen: 53.444 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 98 Resp: 369426
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6



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

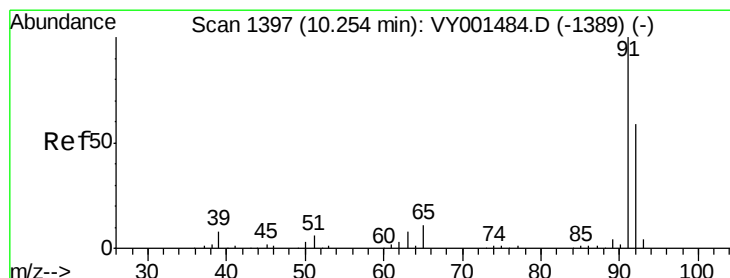
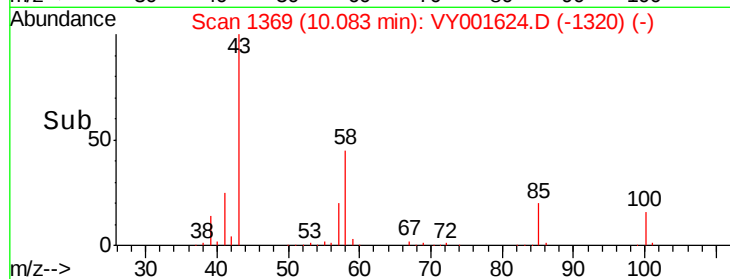
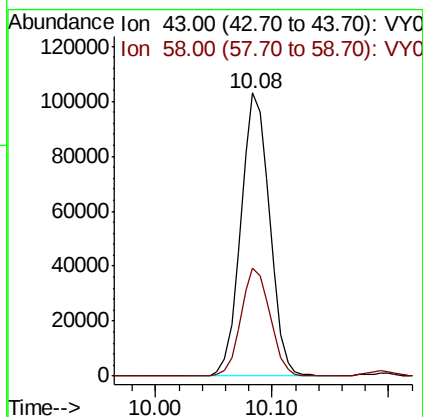
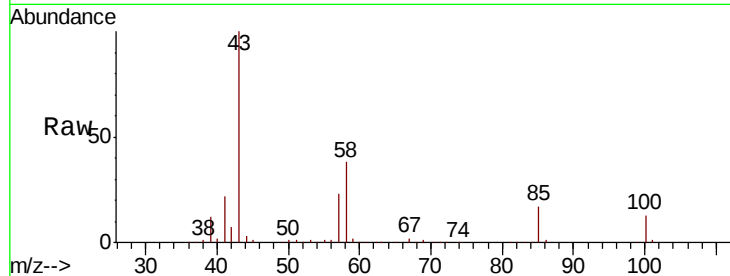




#51
4-Methyl-2-Pentanone
Concen: 129.983 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

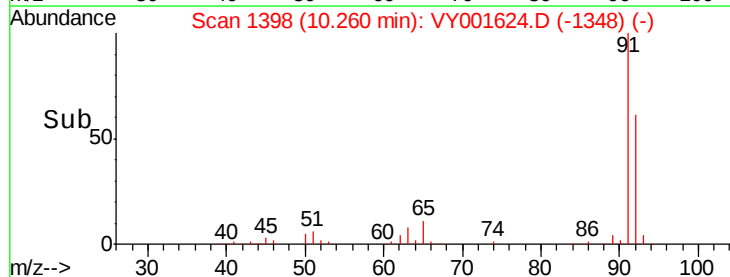
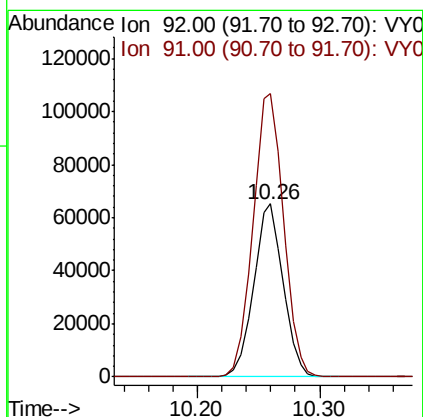
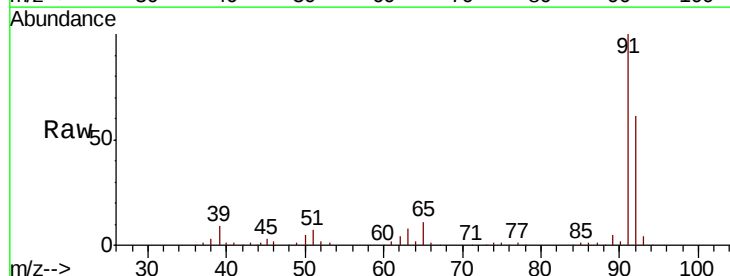
Instrument :
MSVOA_Y
ClientSampleId :

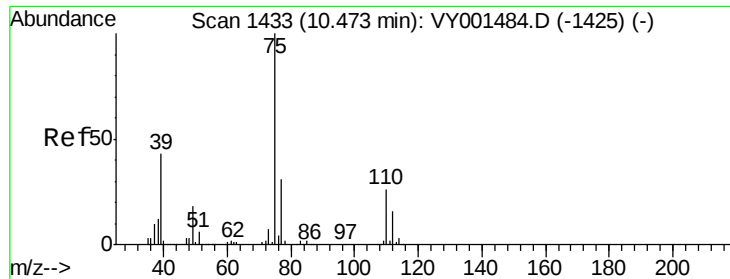
Tot Ion: 43 Resp: 177836
Ion Ratio Lower Upper
43 100
58 38.6 33.9 50.9



#52
Toluene
Concen: 20.765 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 92 Resp: 108924
Ion Ratio Lower Upper
92 100
91 170.6 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.162 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

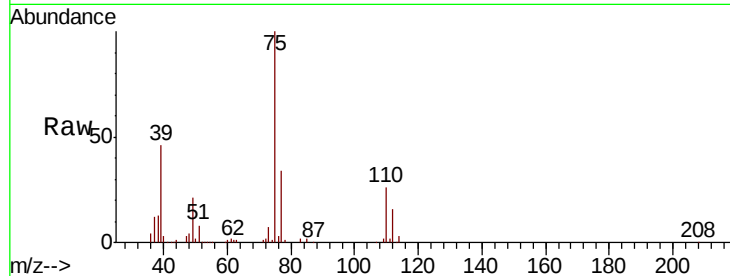
ClientSampleId :

Tot Ion: 75 Resp: 59981

Ion Ratio Lower Upper

75 100

77 33.7 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.48

40000

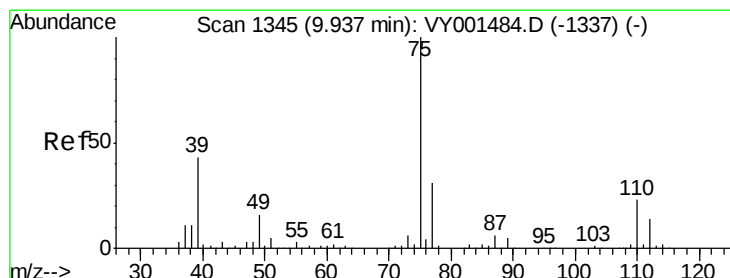
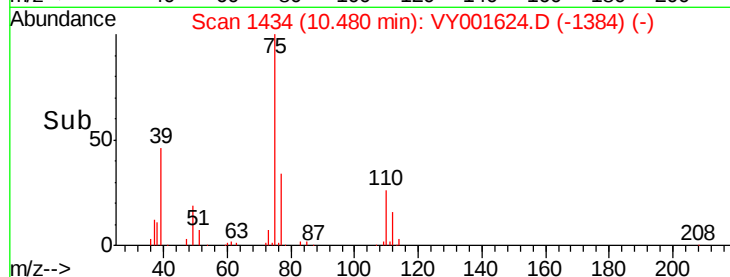
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.283 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

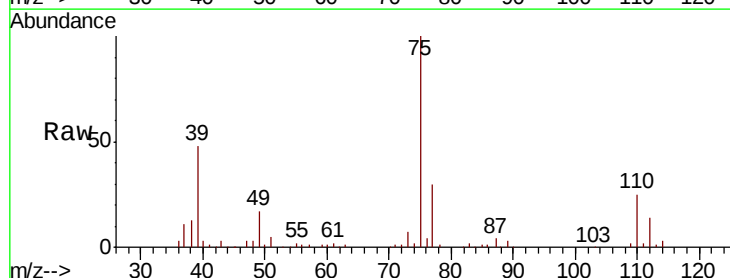
Tgt Ion: 75 Resp: 69274

Ion Ratio Lower Upper

75 100

77 30.5 24.7 37.1

39 48.0 34.0 51.0



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

9.94

50000

40000

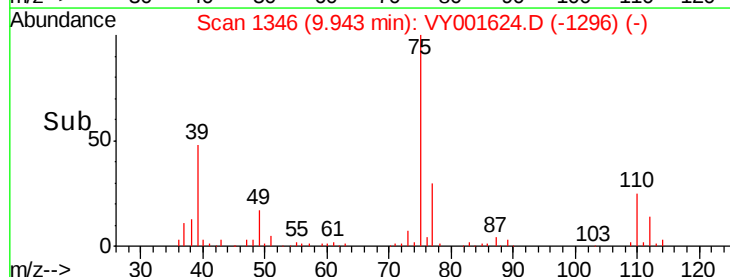
30000

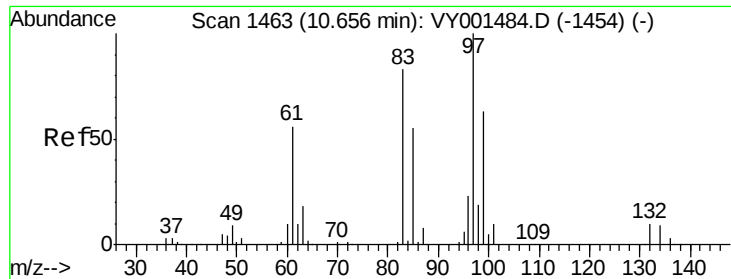
20000

10000

0

Time-->

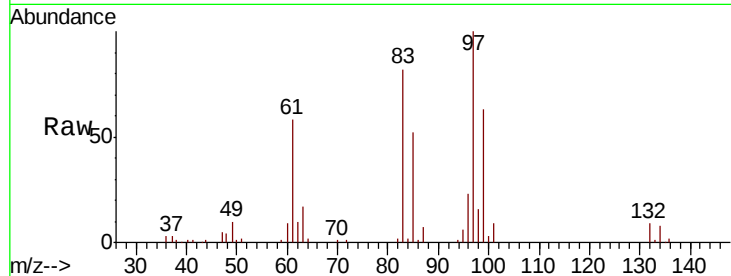




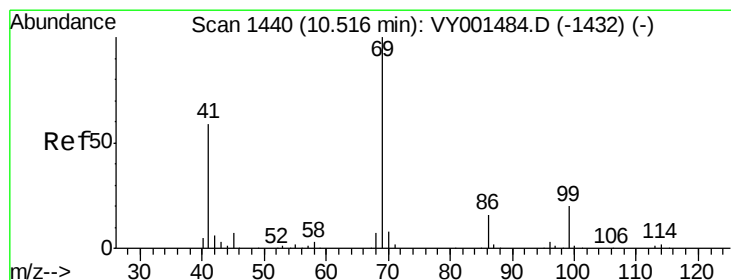
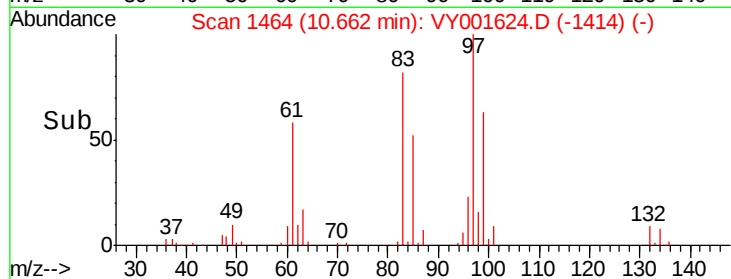
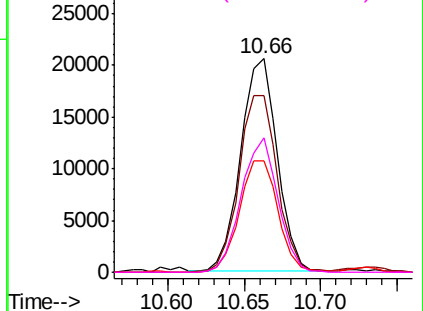
#55
 1,1,2-Trichloroethane
 Concen: 21.287 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 97 Resp: 34237
 Ion Ratio Lower Upper
 97 100
 83 82.7 66.2 99.2
 85 52.4 43.8 65.6
 99 62.9 50.1 75.1

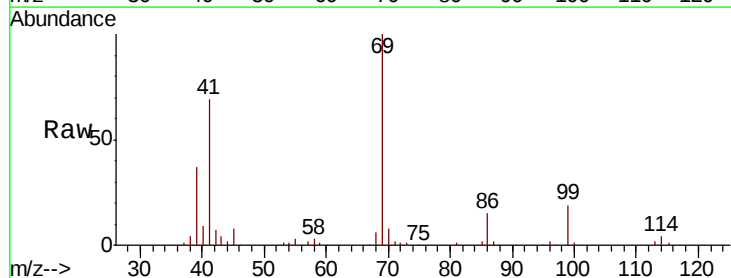


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

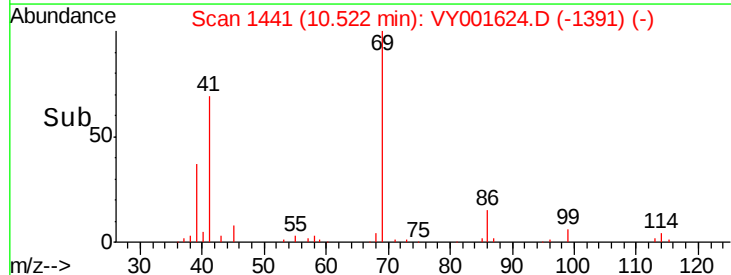
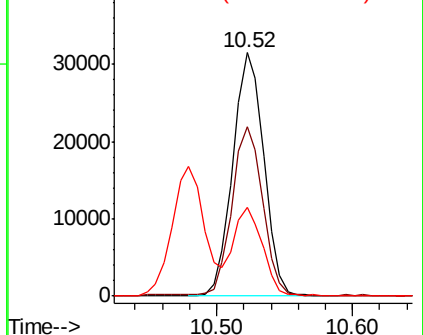


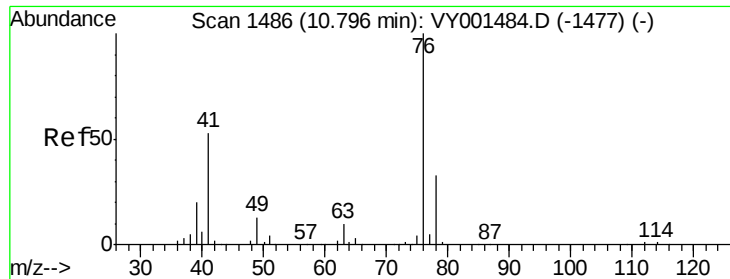
#56
 Ethyl methacrylate
 Concen: 21.900 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion: 69 Resp: 50099
 Ion Ratio Lower Upper
 69 100
 41 68.4 47.8 71.8
 39 34.2 24.4 36.6



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





#57

1,3-Dichloropropane

Concen: 20.948 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

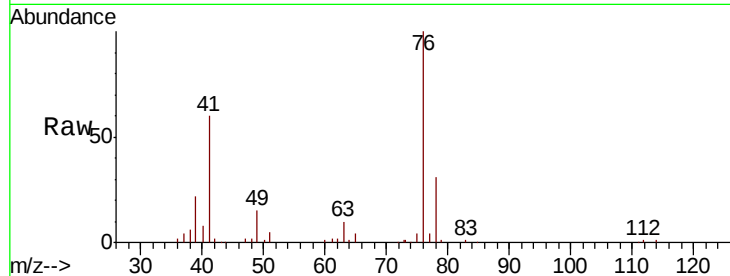
ClientSampled :

Tot Ion: 76 Resp: 59391

Ion Ratio Lower Upper

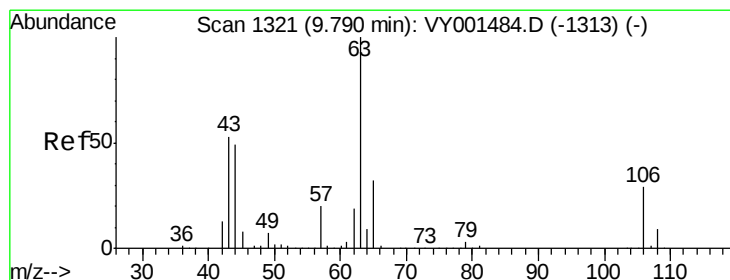
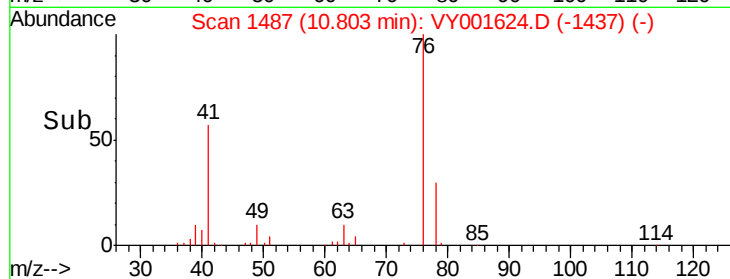
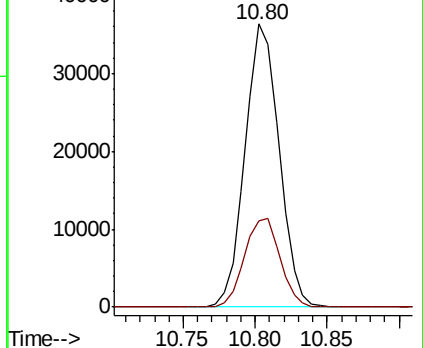
76 100

78 32.7 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 105.106 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VY001624.D

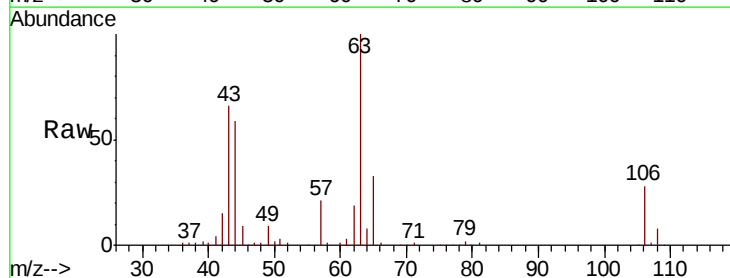
Acq: 13 Feb 2020 12:27

Tgt Ion: 63 Resp: 88453

Ion Ratio Lower Upper

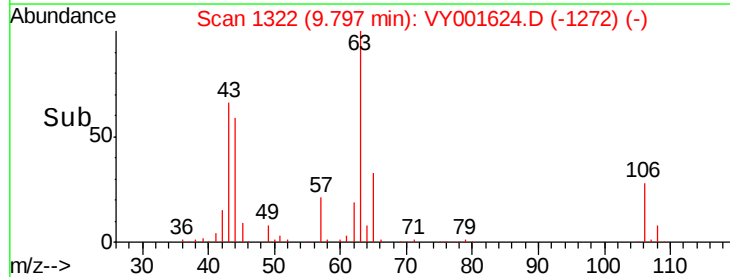
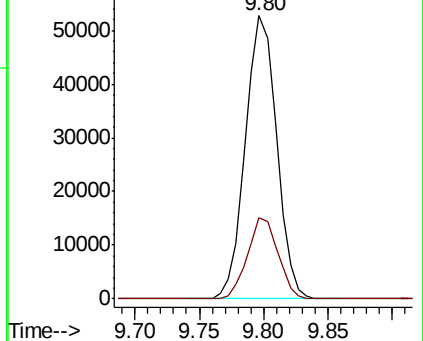
63 100

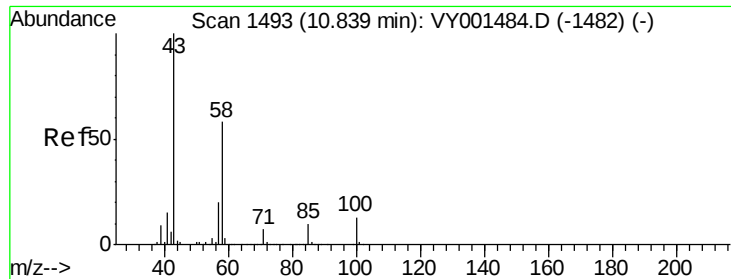
106 28.0 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

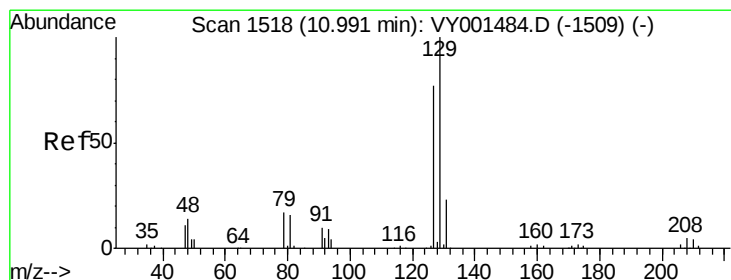
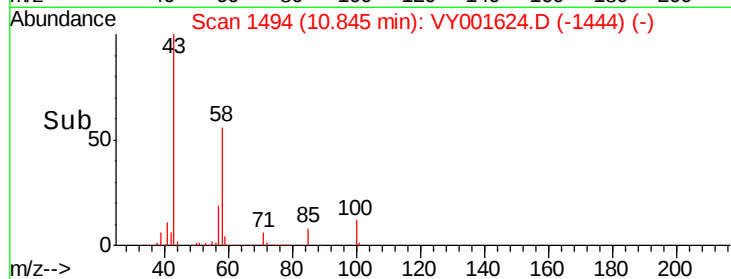
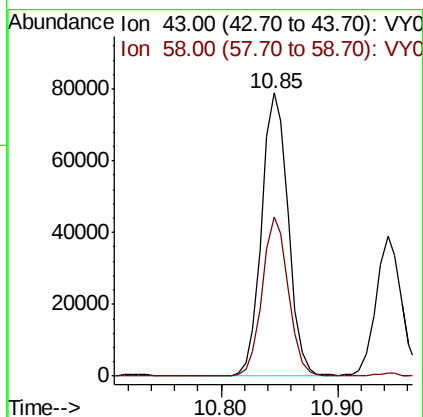
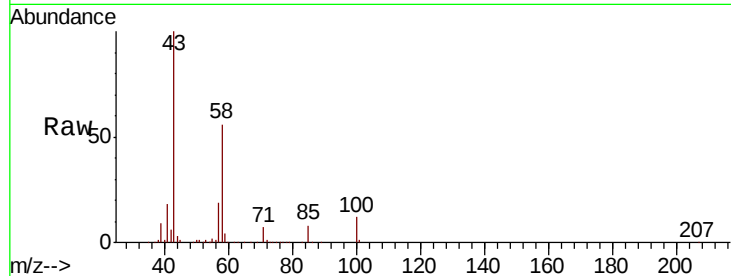




#59
2-Hexanone
Concen: 126.330 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

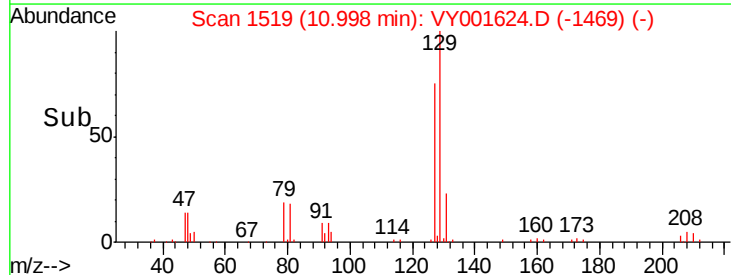
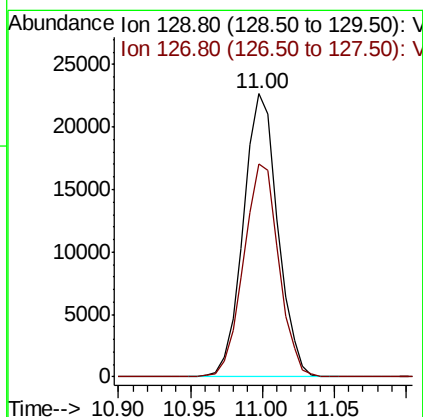
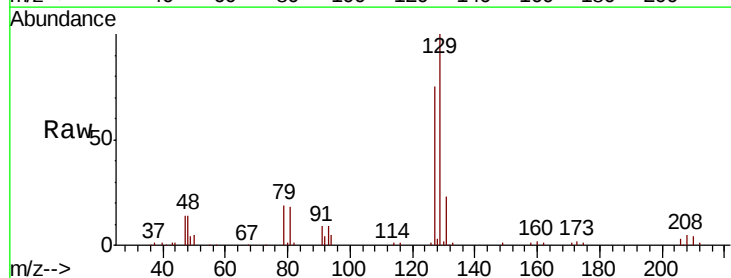
Instrument :
MSVOA_Y
ClientSampleId :

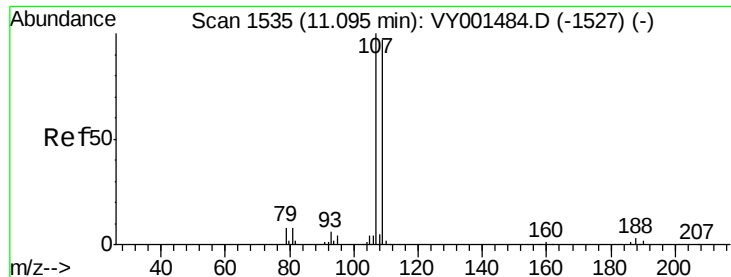
Tot Ion: 43 Resp: 125669
Ion Ratio Lower Upper
43 100
58 55.2 29.0 87.0



#60
Dibromochloromethane
Concen: 19.712 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion:129 Resp: 37371
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6

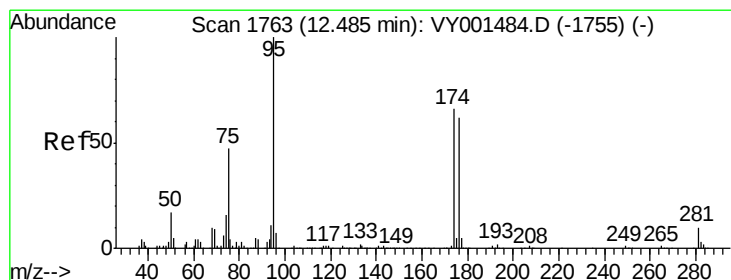
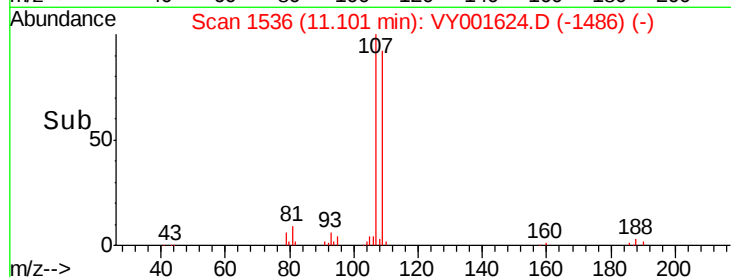
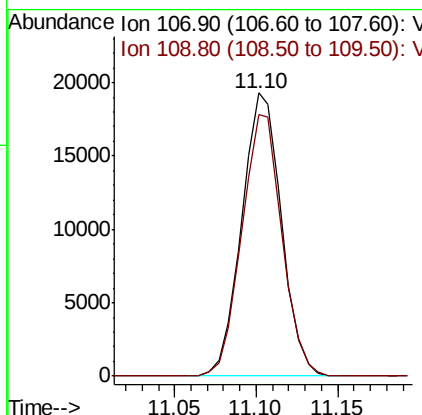
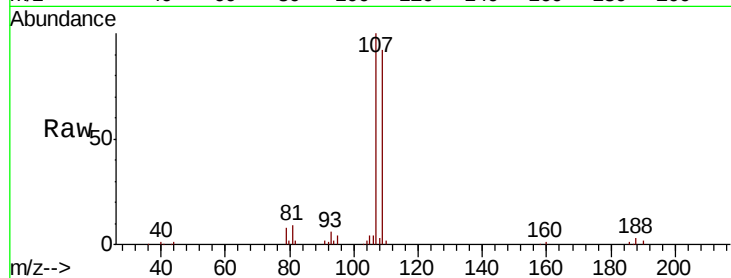




#61
 1,2-Dibromoethane
 Concen: 20.569 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

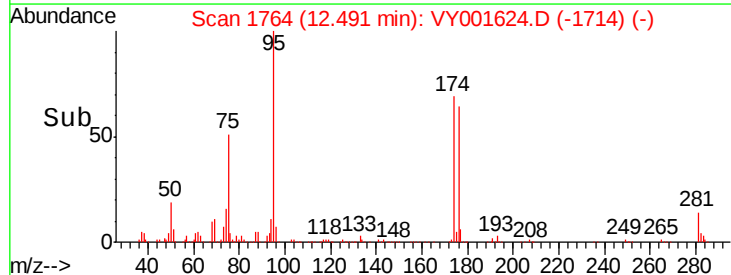
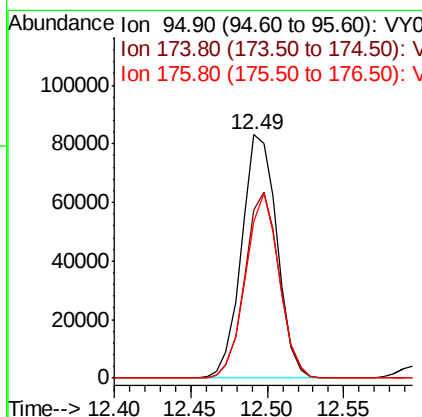
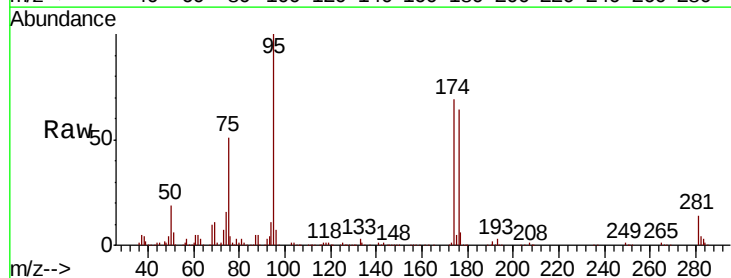
Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:107 Resp: 32584
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 48.893 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion: 95 Resp: 133143
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 141.4
 176 72.5 0.0 135.4

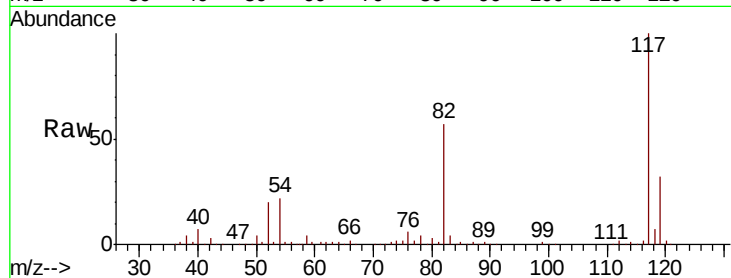




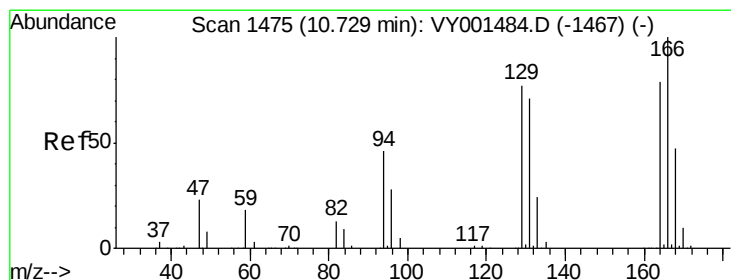
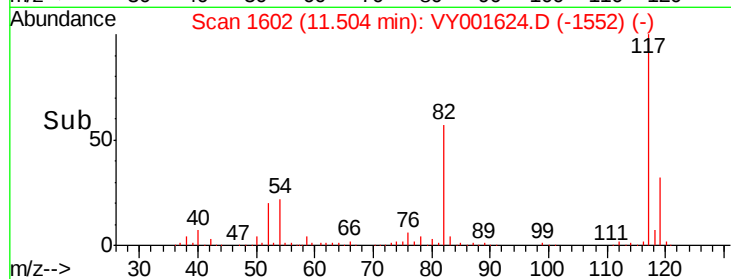
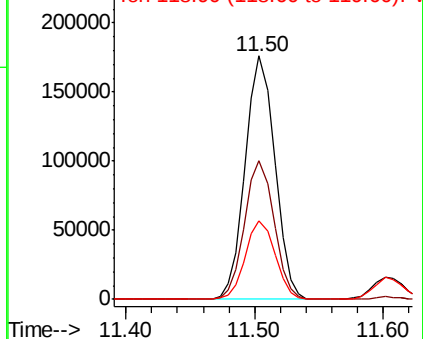
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 279970
Ion Ratio Lower Upper
117 100
82 57.2 46.1 69.1
119 32.3 26.1 39.1

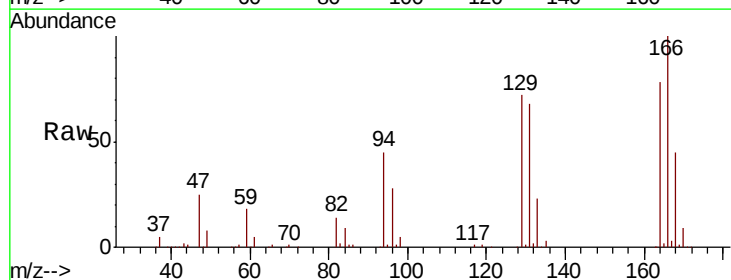


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

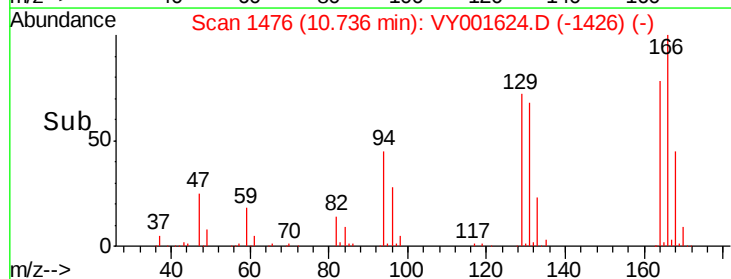
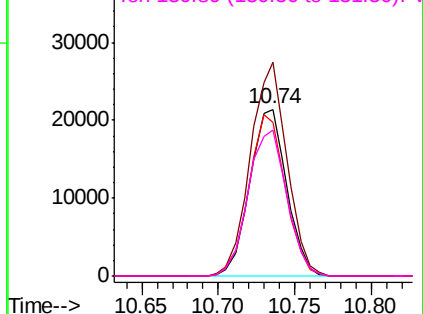


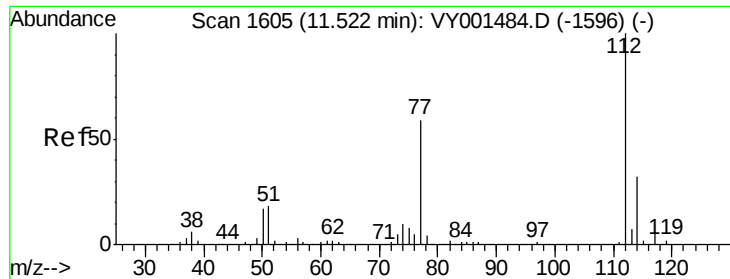
#64
Tetrachloroethene
Concen: 19.593 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion:164 Resp: 35975
Ion Ratio Lower Upper
164 100
166 128.0 100.8 151.2
129 92.1 77.8 116.6
131 87.2 72.0 108.0



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





#65

Chlorobenzene

Concen: 20.426 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

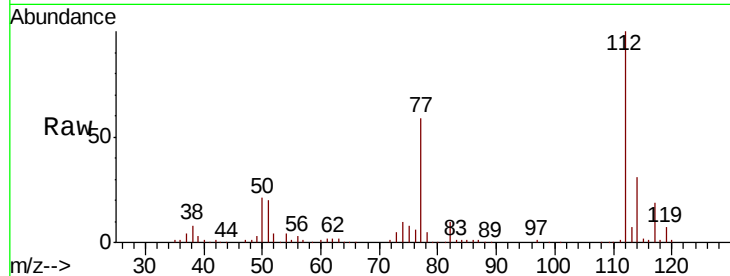
ClientSampleId :

Tot Ion:112 Resp: 112286

Ion Ratio Lower Upper

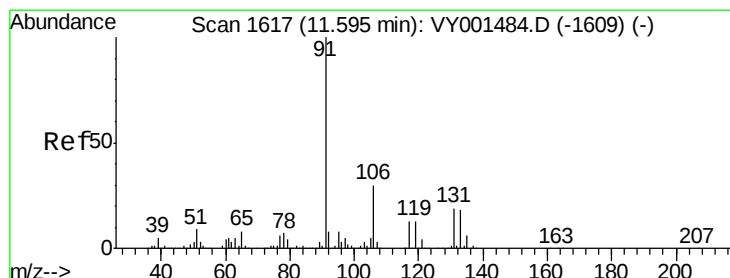
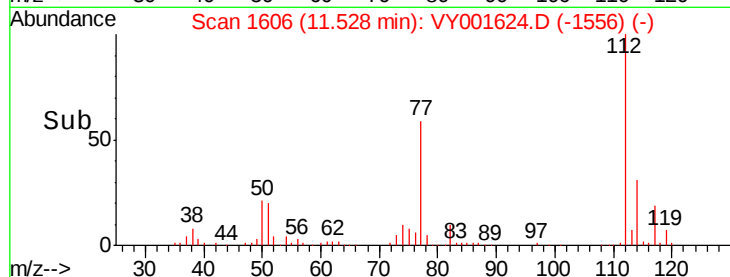
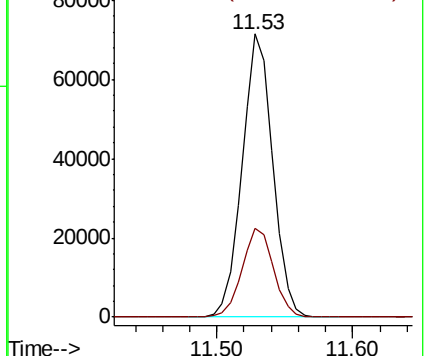
112 100

114 31.5 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.164 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

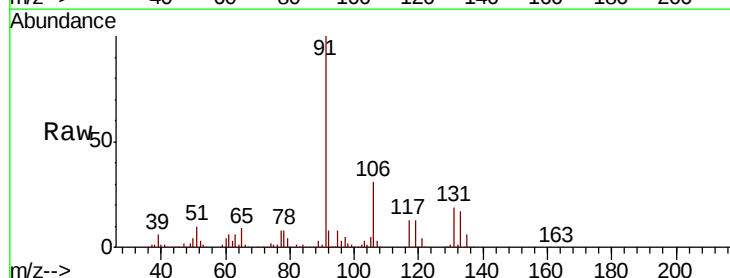
Tgt Ion:131 Resp: 38795

Ion Ratio Lower Upper

131 100

133 93.9 47.9 143.8

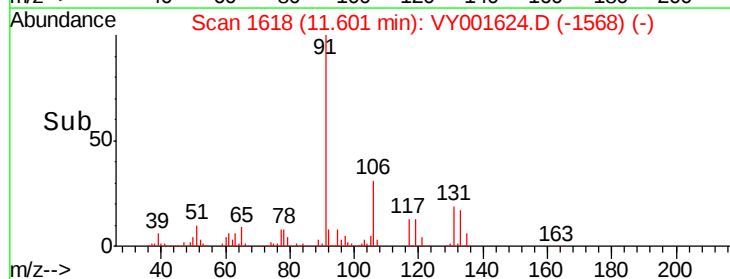
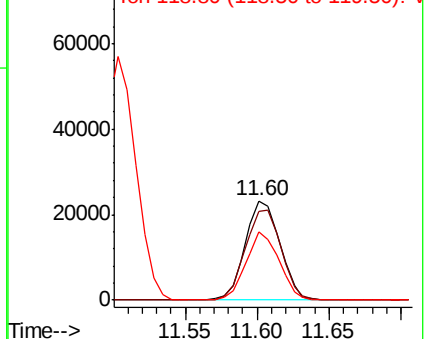
119 65.6 33.7 101.0

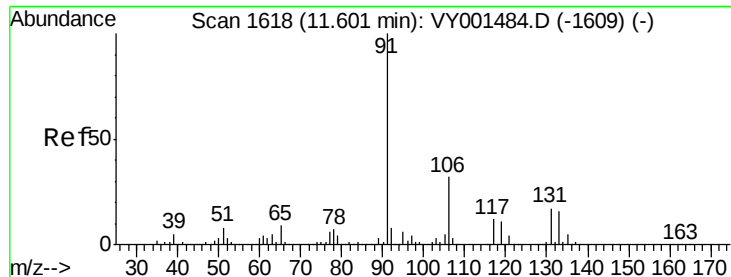


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

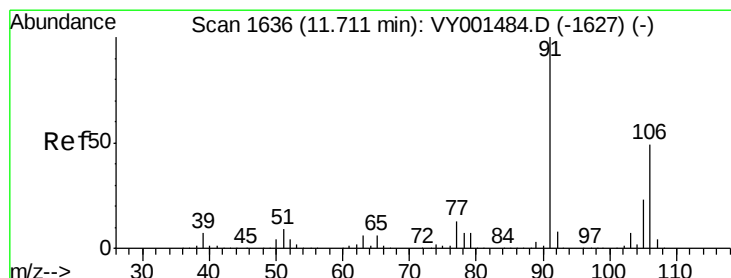
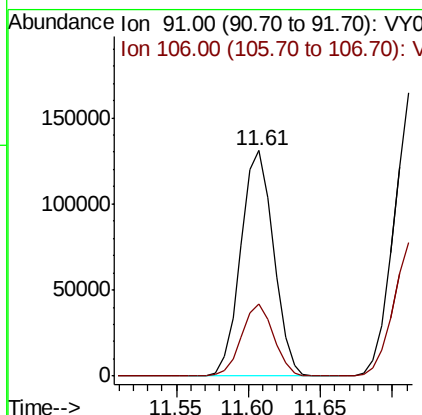
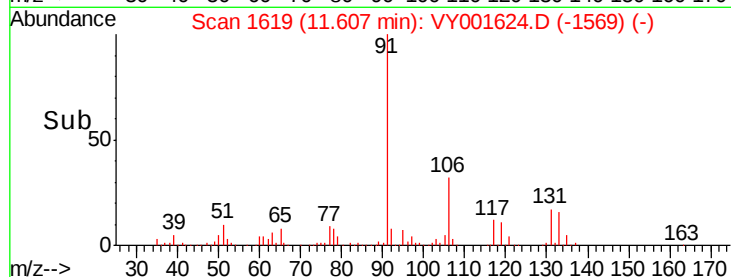
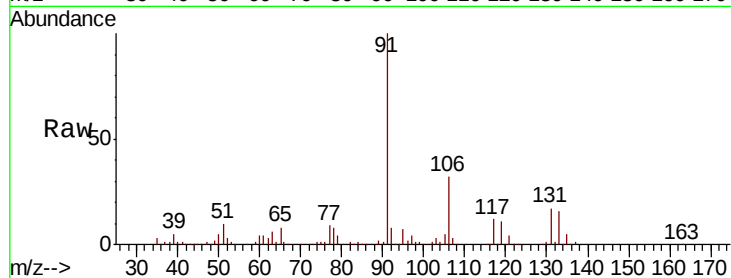




#67
Ethyl Benzene
Concen: 20.353 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

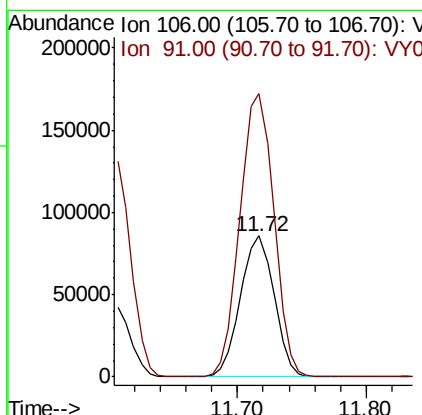
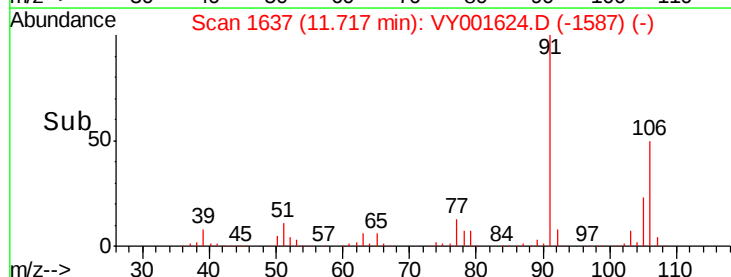
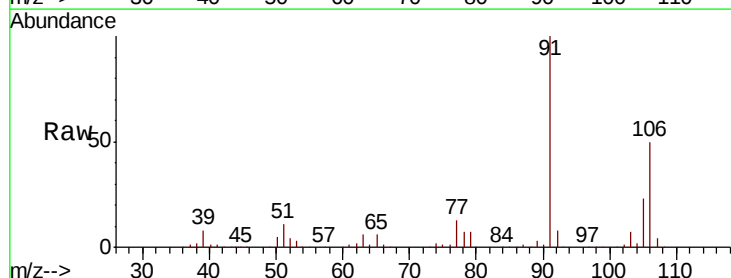
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 91 Resp: 206870
Ion Ratio Lower Upper
91 100
106 32.0 25.3 37.9



#68
m/p-Xylenes
Concen: 40.583 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 106 Resp: 154849
Ion Ratio Lower Upper
106 100
91 203.5 163.6 245.4

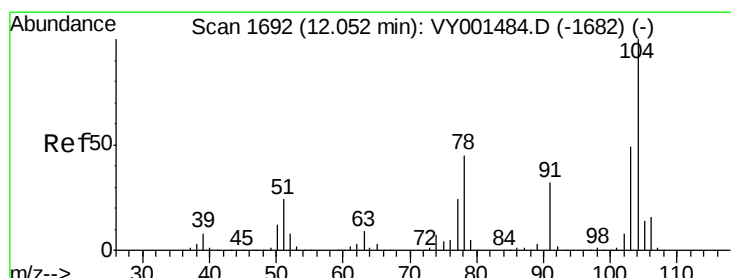
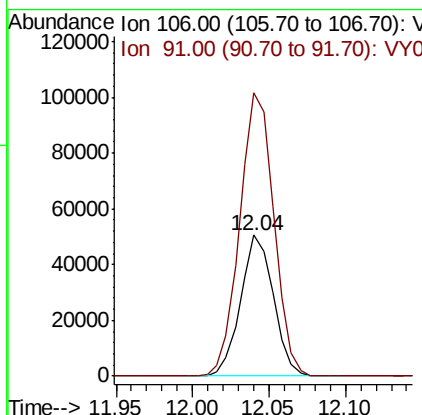
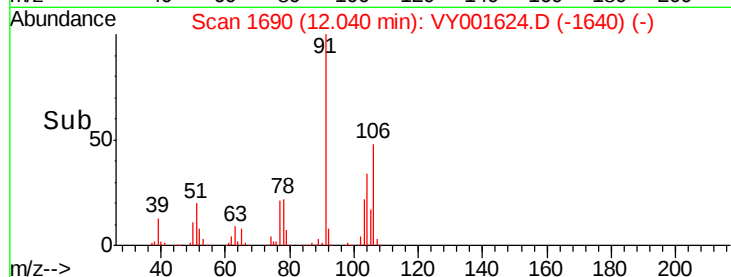
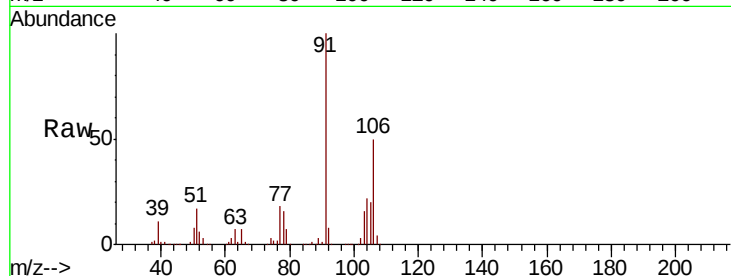




#69
o-Xylene
Concen: 20.935 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

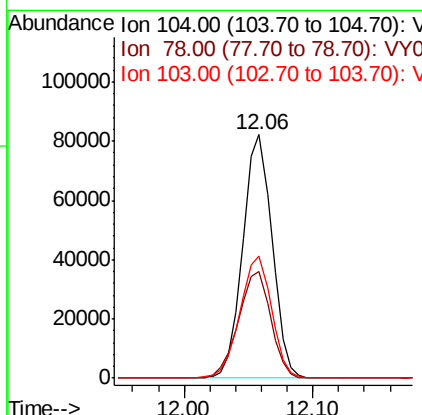
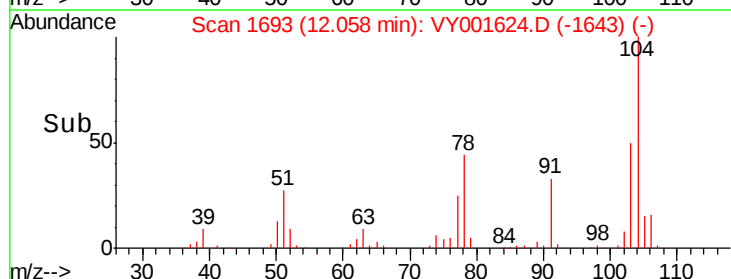
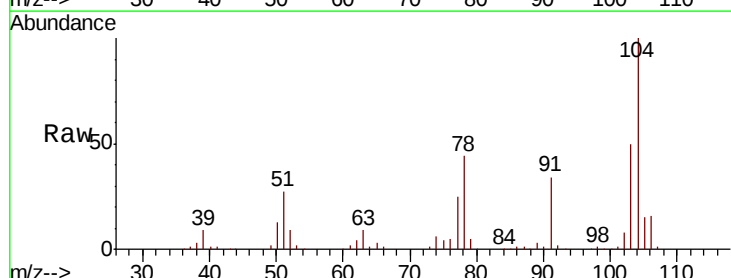
Instrument :
MSVOA_Y
ClientSampled :

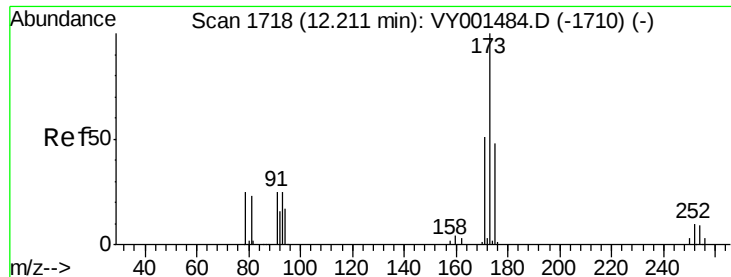
Tot Ion:106 Resp: 75315
Ion Ratio Lower Upper
106 100
91 209.3 106.0 318.0



#70
Styrene
Concen: 20.711 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion:104 Resp: 128854
Ion Ratio Lower Upper
104 100
78 48.3 40.4 60.6
103 54.0 42.8 64.2





#71

Bromoform

Concen: 19.568 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

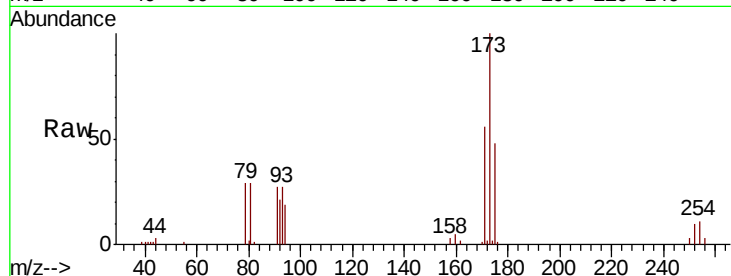
Tot Ion:173 Resp: 20964

Ion Ratio Lower Upper

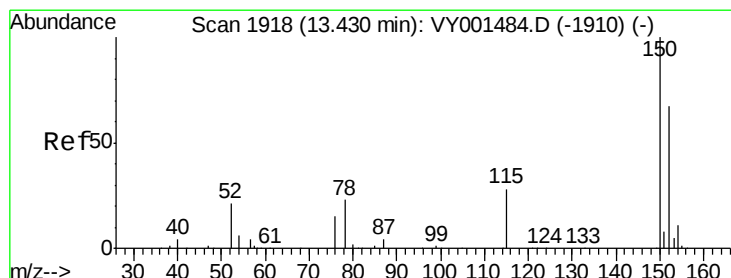
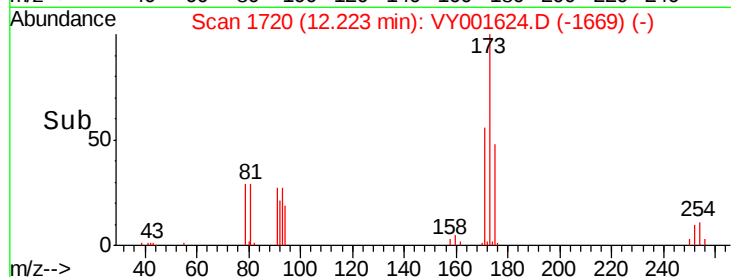
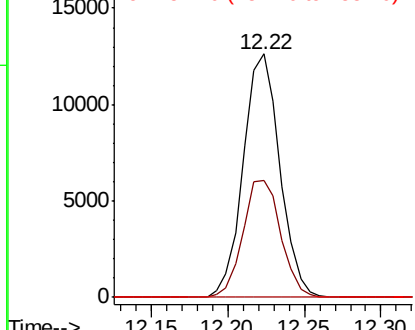
173 100

175 49.8 24.0 72.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

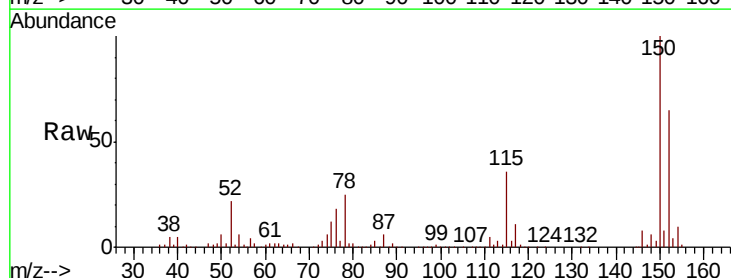
Tgt Ion:152 Resp: 136371

Ion Ratio Lower Upper

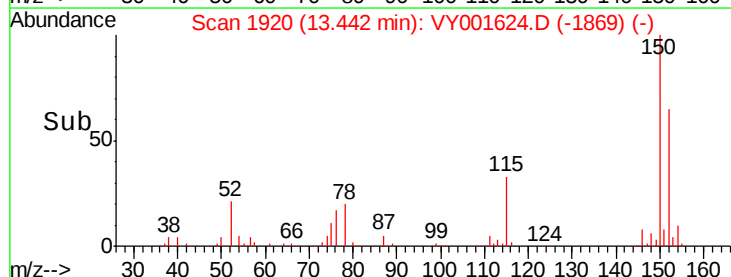
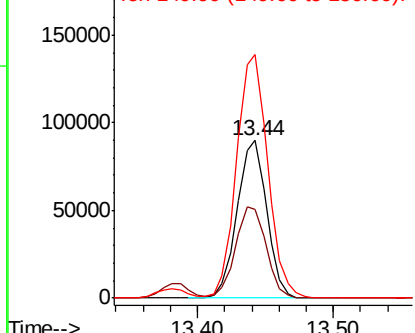
152 100

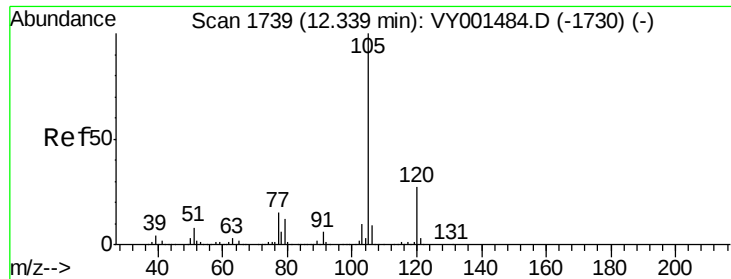
115 59.8 31.4 94.3

150 163.3 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

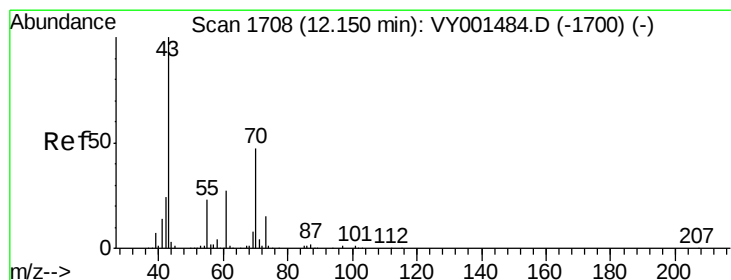
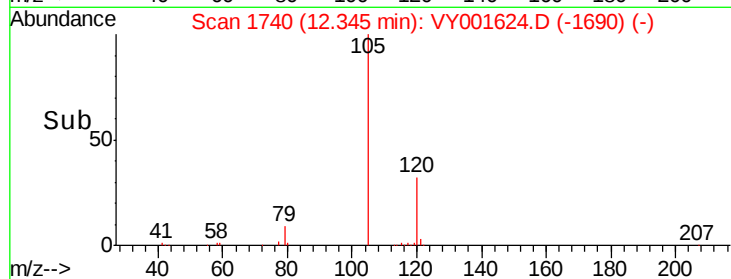
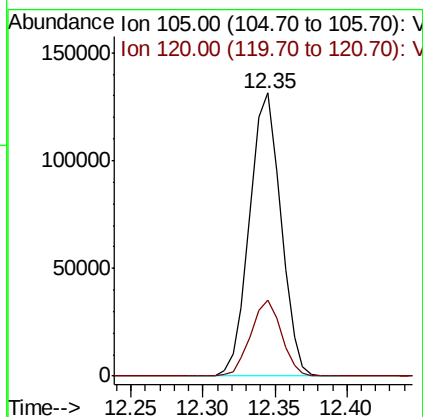
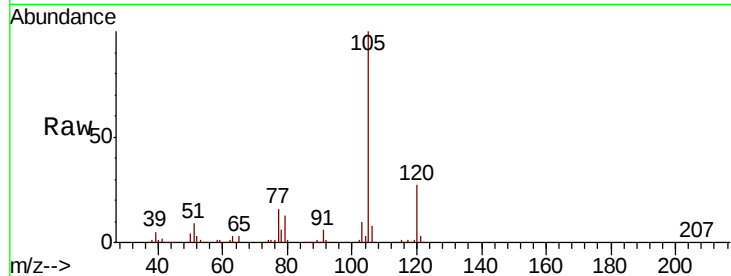




#73
Isopropylbenzene
Concen: 19.020 ug/l
RT: 12.35 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

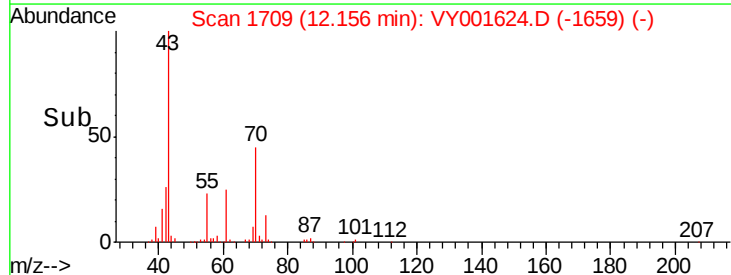
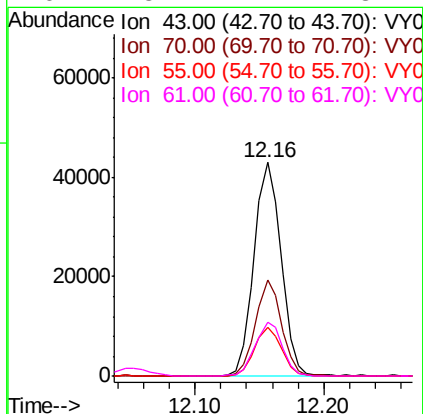
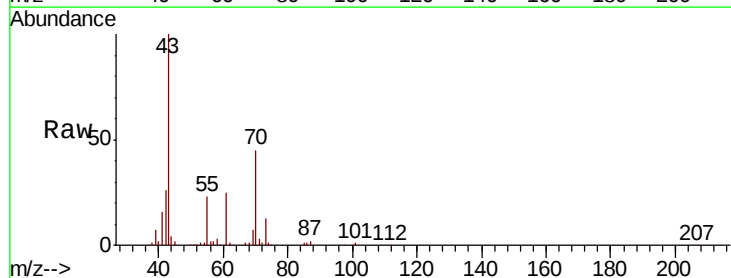
Instrument :
MSVOA_Y
ClientSampled :

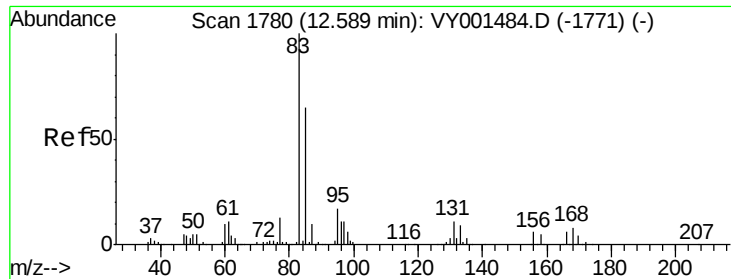
Tot Ion:105 Resp: 197827
Ion Ratio Lower Upper
105 100
120 26.3 13.3 39.9



#74
N-ethyl acetate
Concen: 23.039 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion: 43 Resp: 62266
Ion Ratio Lower Upper
43 100
70 43.0 37.2 55.8
55 22.6 18.8 28.2
61 25.2 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.371 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

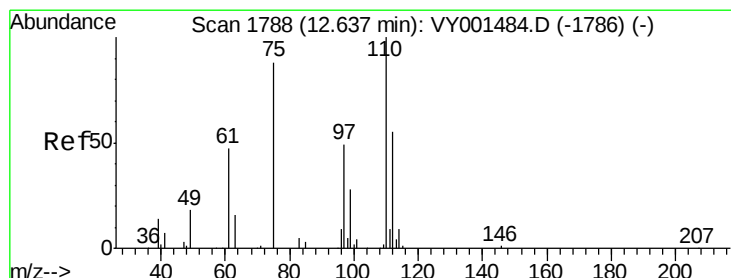
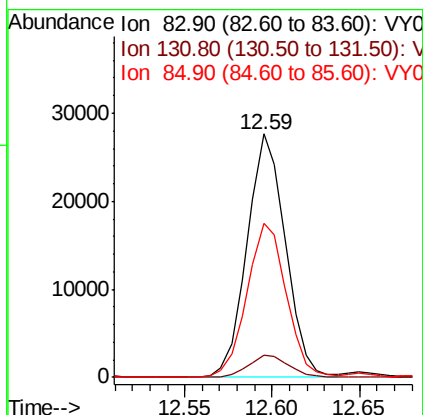
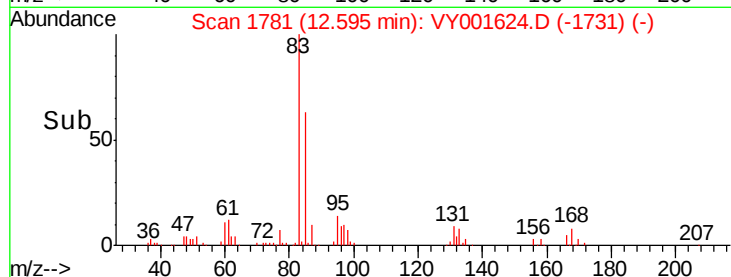
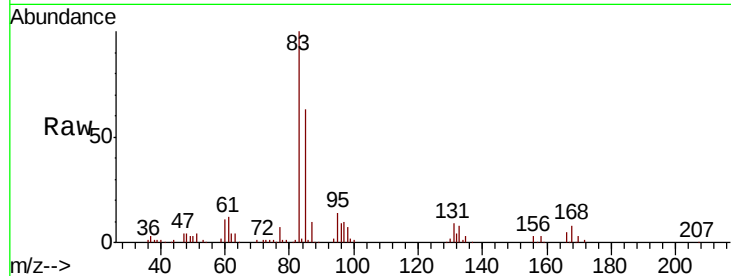
Tot Ion: 83 Resp: 42231

Ion Ratio Lower Upper

83 100

131 9.7 5.4 16.2

85 64.9 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 37.589 ug/l

RT: 12.65 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VY001624.D

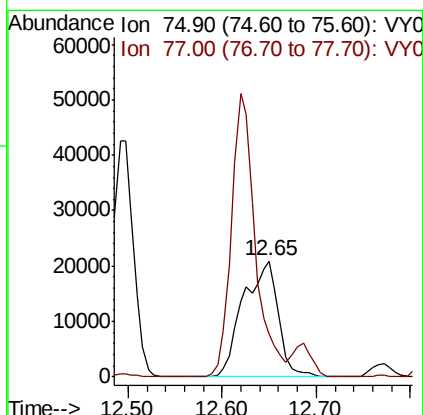
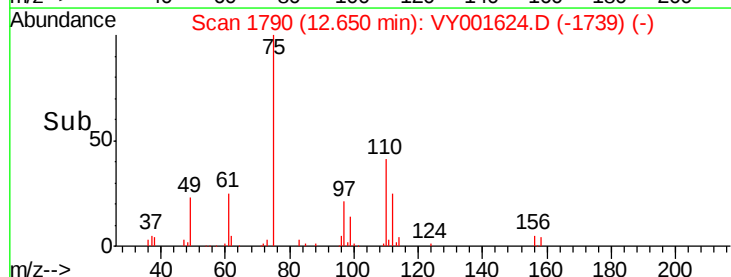
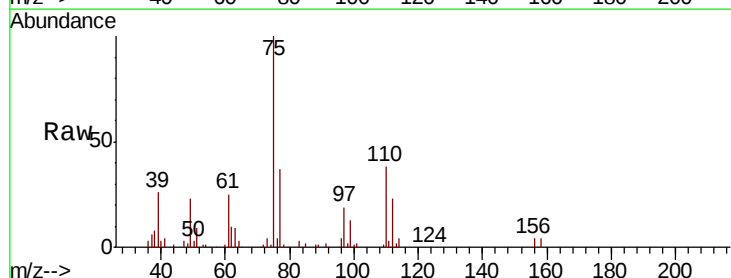
Acq: 13 Feb 2020 12:27

Tgt Ion: 75 Resp: 55126

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.438 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampled :

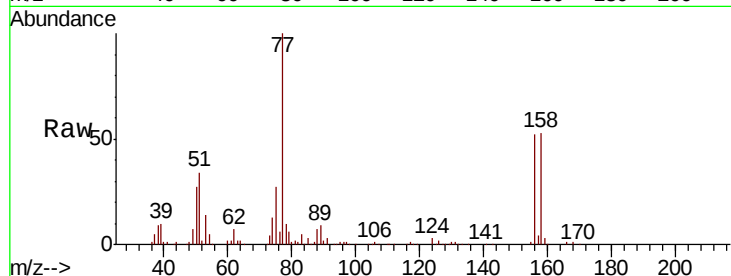
Tot Ion:156 Resp: 43753

Ion Ratio Lower Upper

156 100

77 206.5 99.8 299.3

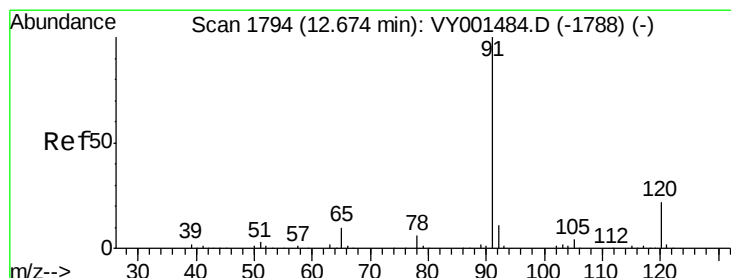
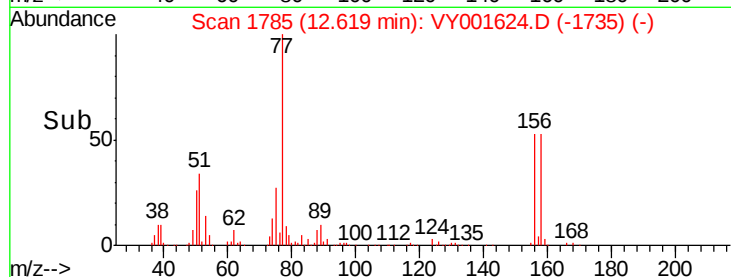
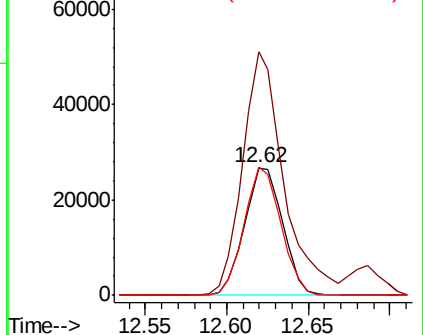
158 97.1 47.5 142.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.300 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001624.D

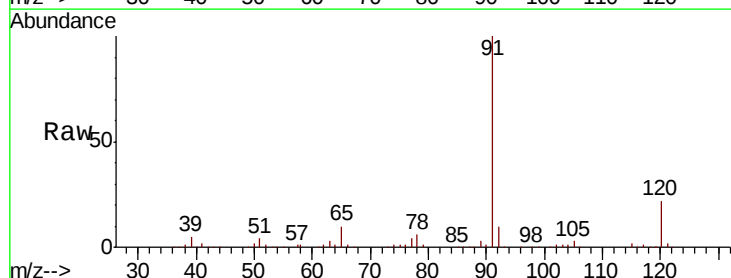
Acq: 13 Feb 2020 12:27

Tgt Ion: 91 Resp: 240318

Ion Ratio Lower Upper

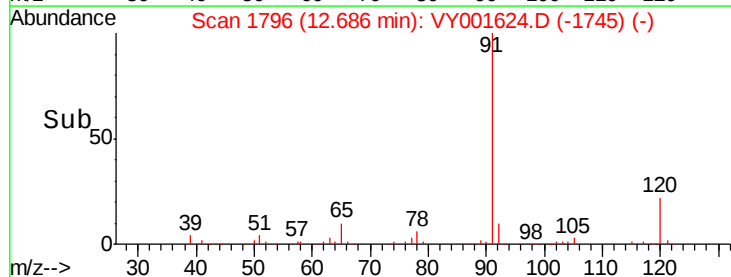
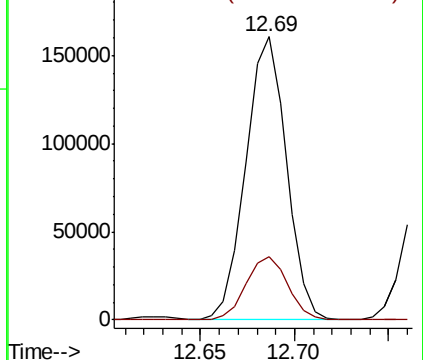
91 100

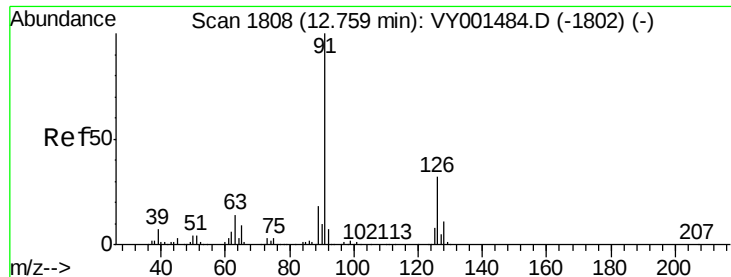
120 22.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.075 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

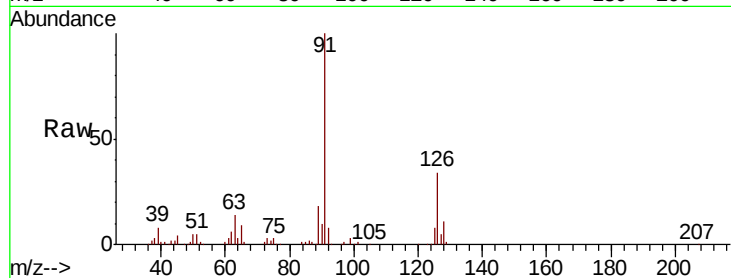
ClientSampleId :

Tot Ion: 91 Resp: 135382

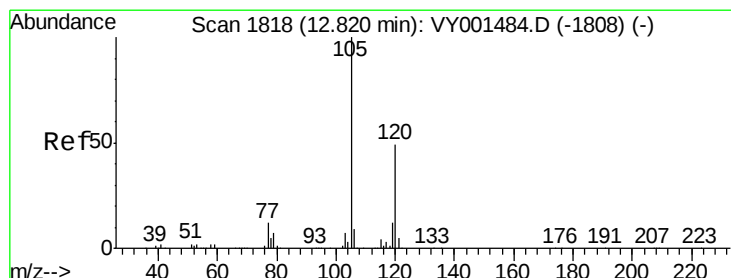
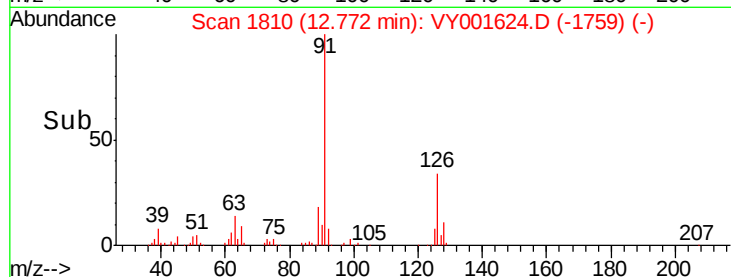
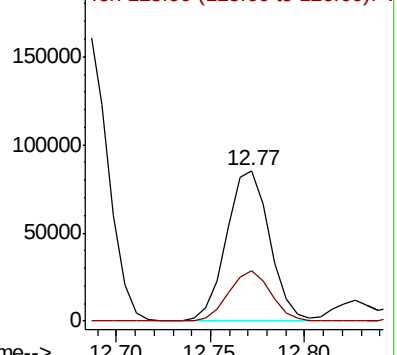
Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY001484.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.896 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001624.D

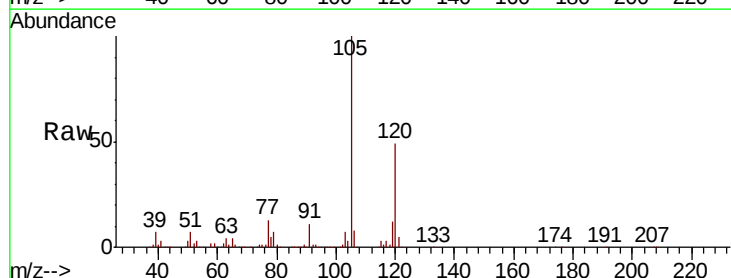
Acq: 13 Feb 2020 12:27

Tgt Ion: 105 Resp: 165511

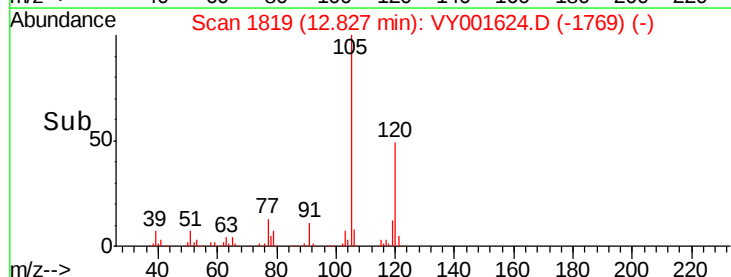
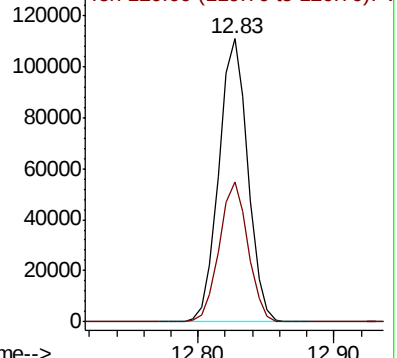
Ion Ratio Lower Upper

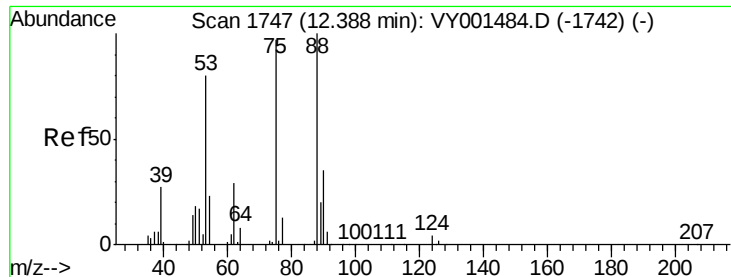
105 100

120 49.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001484.D (-1808) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.398 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

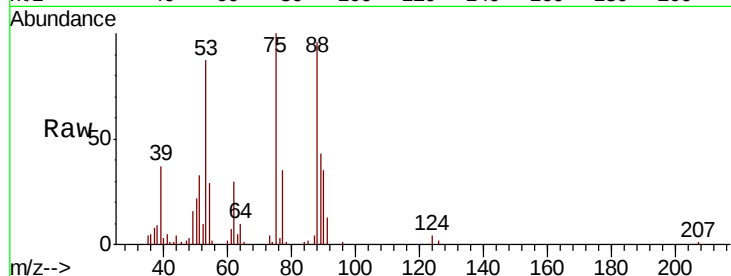
Tot Ion: 75 Resp: 14702

Ion Ratio Lower Upper

75 100

53 91.0 67.7 101.5

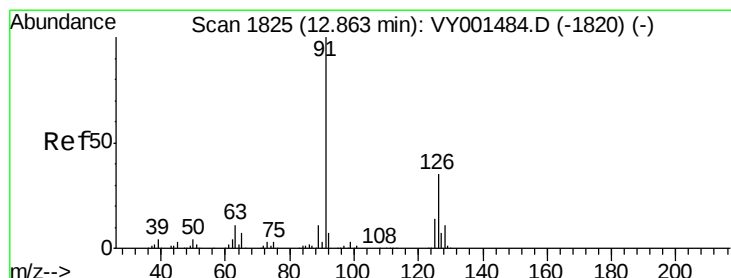
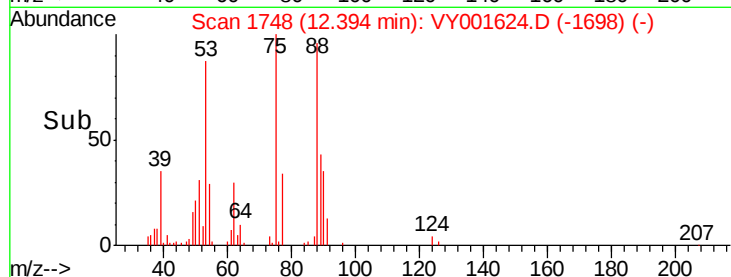
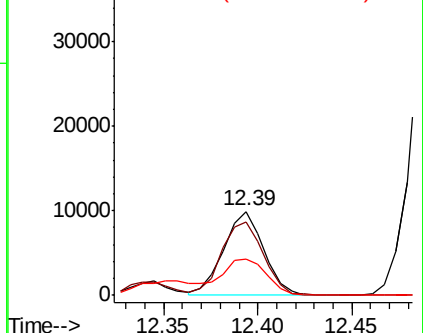
89 48.1 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 19.224 ug/l

RT: 12.87 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VY001624.D

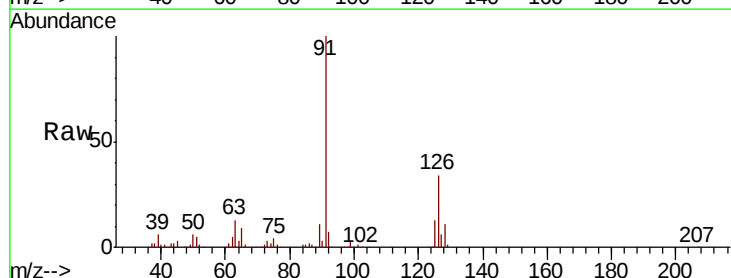
Acq: 13 Feb 2020 12:27

Tgt Ion: 91 Resp: 143056

Ion Ratio Lower Upper

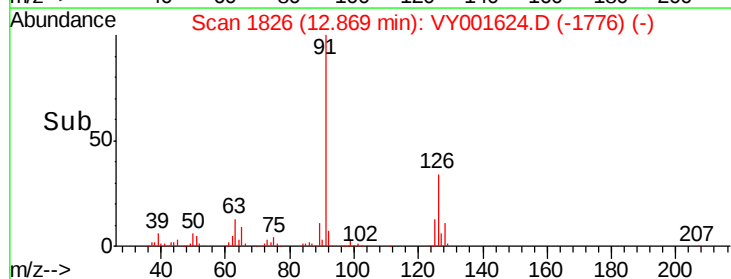
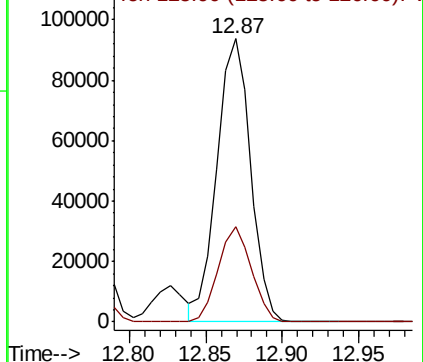
91 100

126 33.2 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

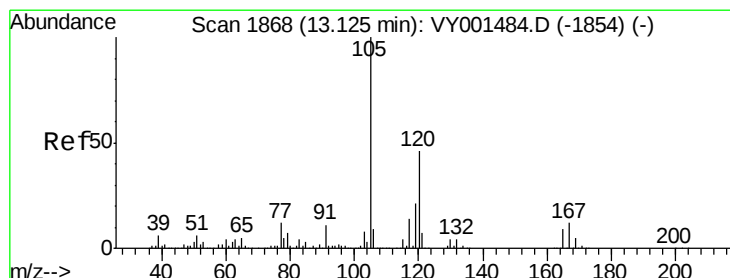
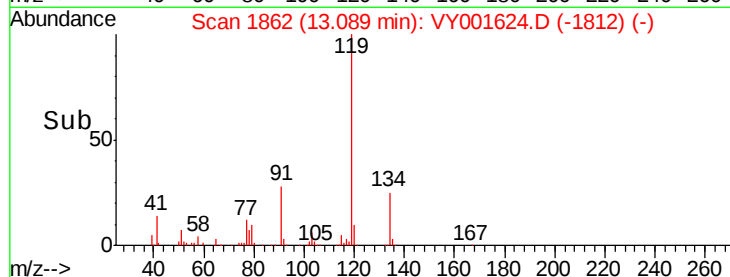
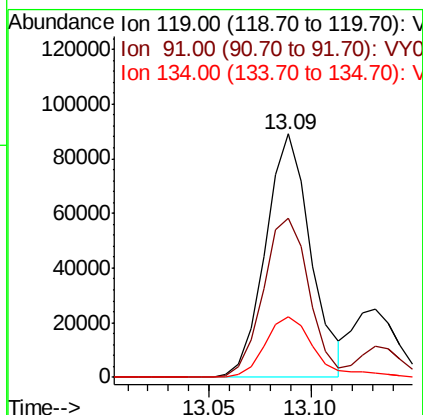
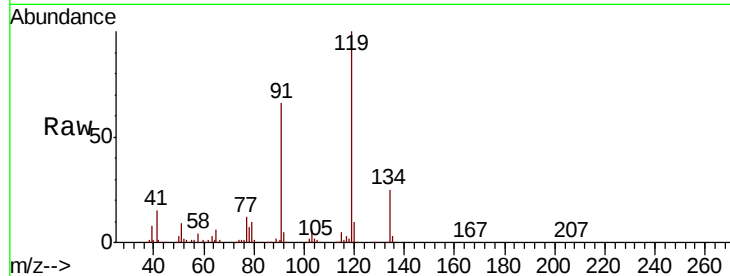




#83
tert-Butylbenzene
Concen: 18.572 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

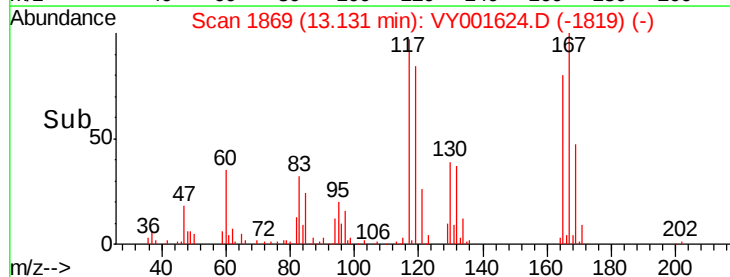
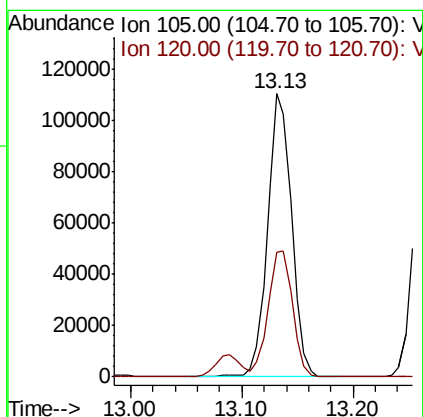
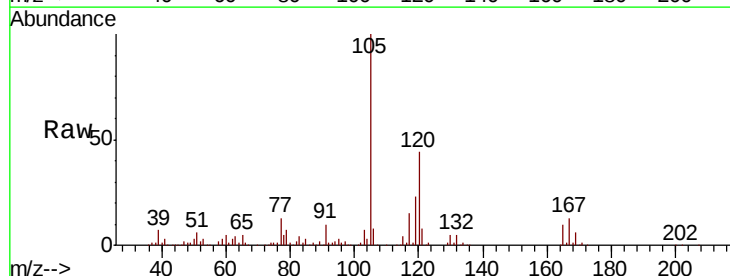
Instrument :
MSVOA_Y
ClientSampleId :

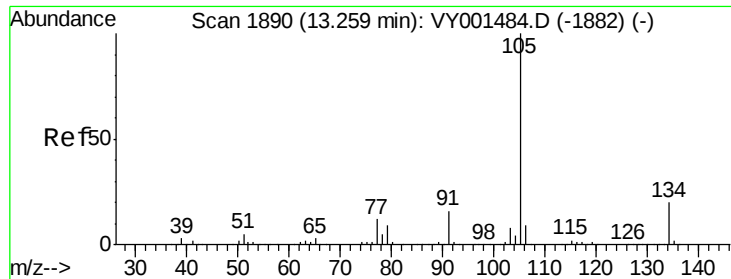
Tot Ion:119 Resp: 137508
Ion Ratio Lower Upper
119 100
91 66.6 33.1 99.3
134 27.5 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 19.123 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001624.D
Acq: 13 Feb 2020 12:27

Tgt Ion:105 Resp: 165787
Ion Ratio Lower Upper
105 100
120 45.2 22.4 67.0





#85

sec-Butylbenzene

Concen: 19.315 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

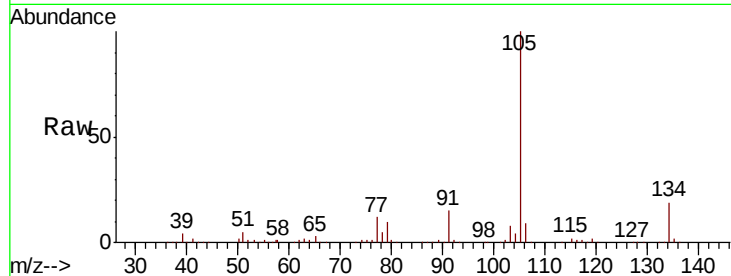
ClientSampleId :

Tot Ion:105 Resp: 201063

Ion Ratio Lower Upper

105 100

134 19.5 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.27

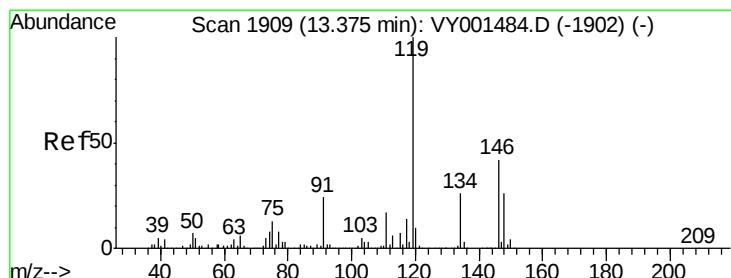
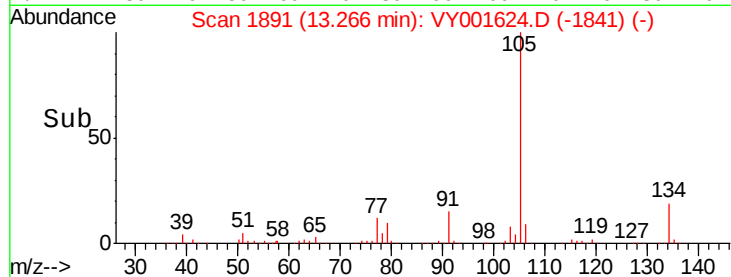
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.286 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

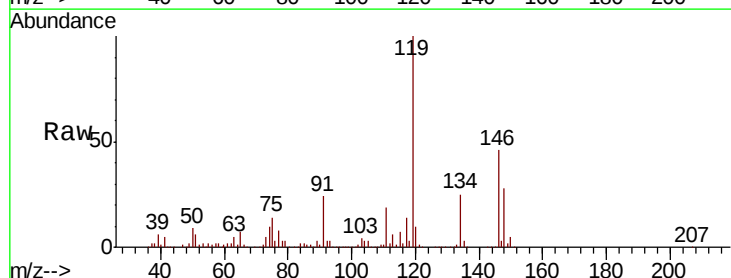
Tgt Ion:119 Resp: 176916

Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.8

91 23.8 12.2 36.6



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

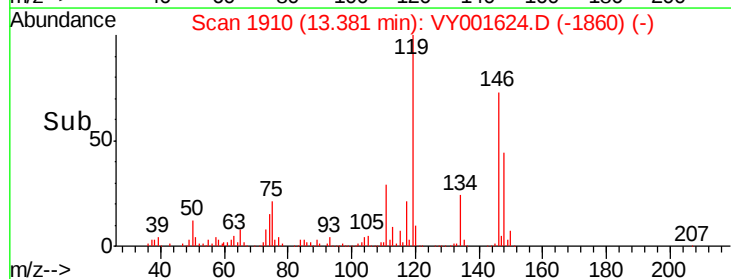
150000

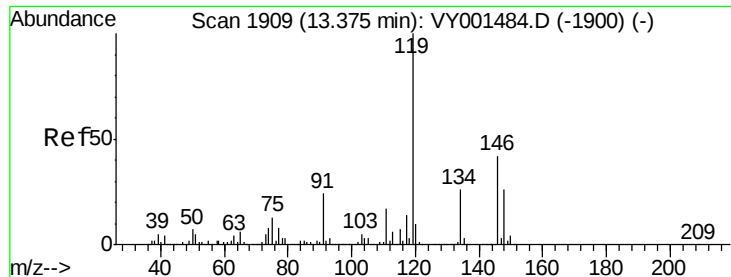
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.574 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampled :

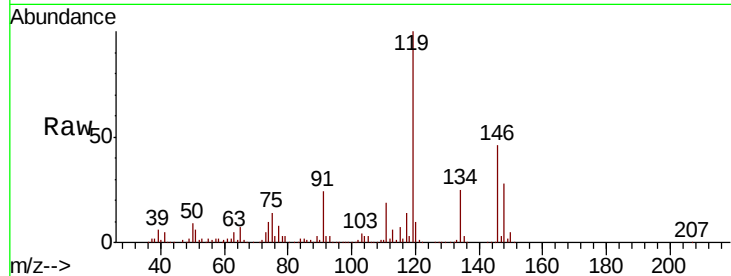
Tot Ion:146 Resp: 84435

Ion Ratio Lower Upper

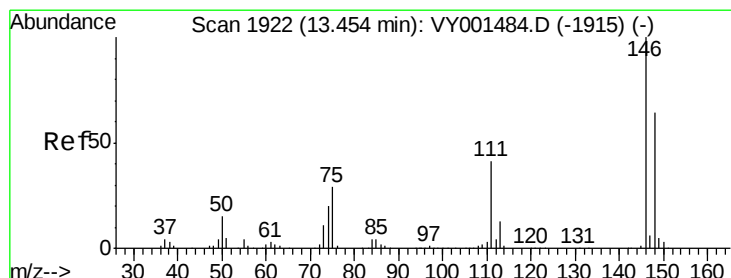
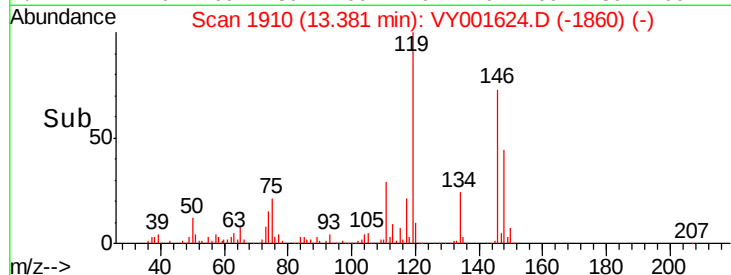
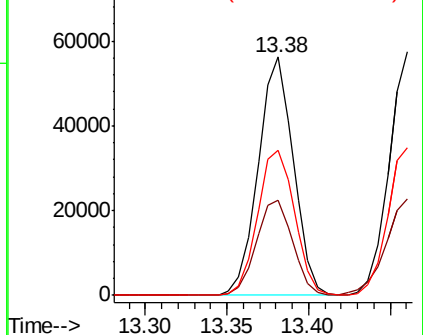
146 100

111 41.3 21.3 63.9

148 64.2 31.9 95.7



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



#88

1,4-Dichlorobenzene

Concen: 19.678 ug/l

RT: 13.46 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

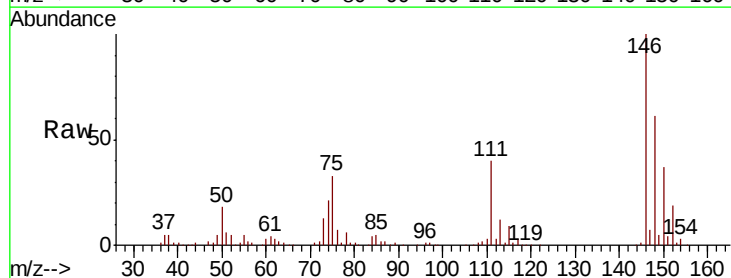
Tgt Ion:146 Resp: 85039

Ion Ratio Lower Upper

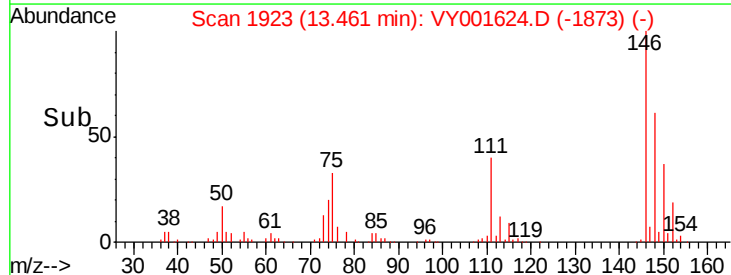
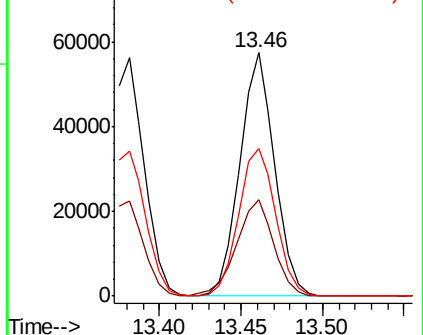
146 100

111 42.4 20.7 62.1

148 64.5 32.1 96.5



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





#89

n-Butylbenzene

Concen: 19.696 ug/l

RT: 13.71 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

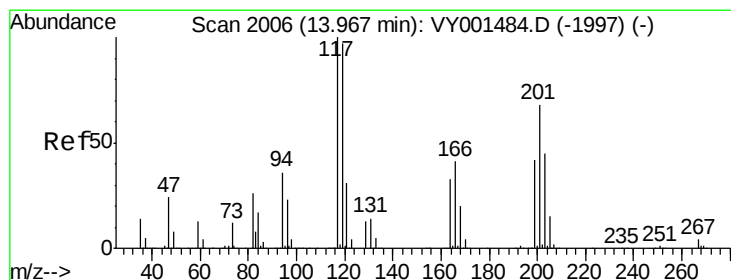
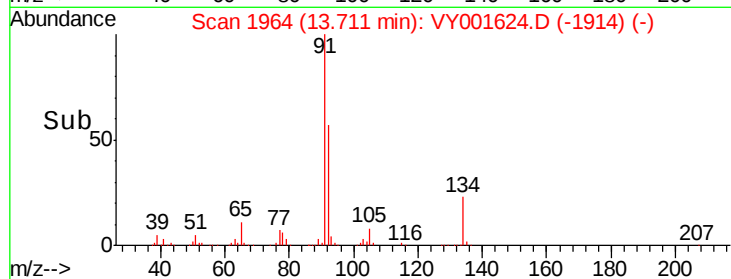
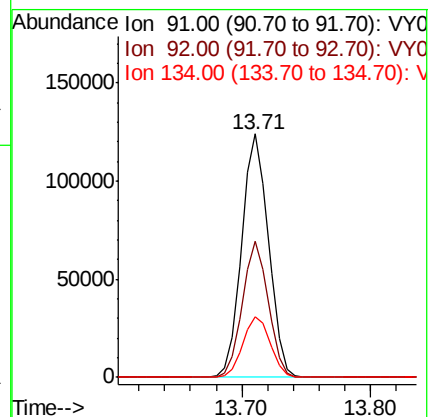
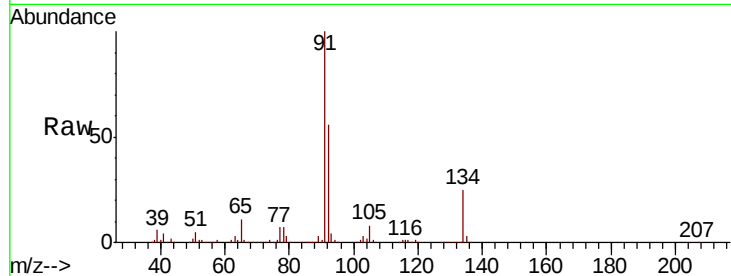
Tot Ion: 91 Resp: 178270

Ion Ratio Lower Upper

91 100

92 54.0 27.3 81.9

134 25.4 13.0 38.9



#90

Hexachloroethane

Concen: 18.667 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY001624.D

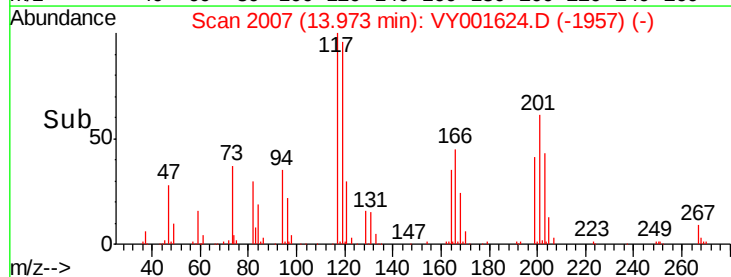
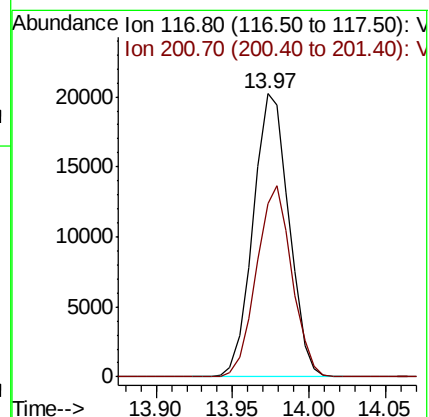
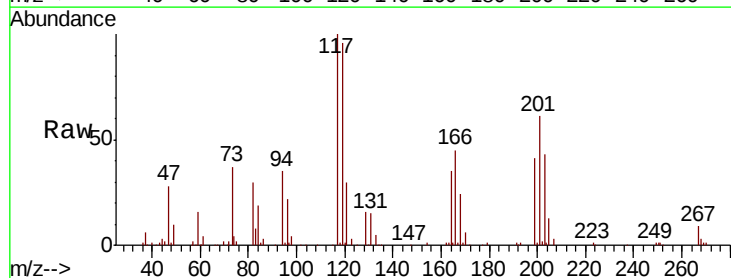
Acq: 13 Feb 2020 12:27

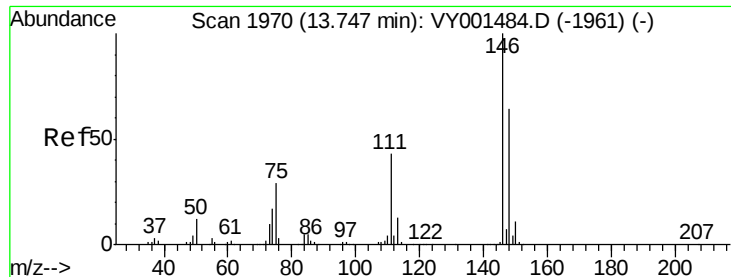
Tgt Ion: 117 Resp: 32866

Ion Ratio Lower Upper

117 100

201 66.9 34.1 102.3





#91

1,2-Dichlorobenzene

Concen: 20.162 ug/l

RT: 13.75 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

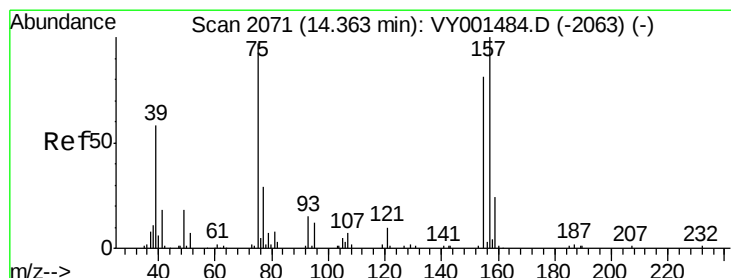
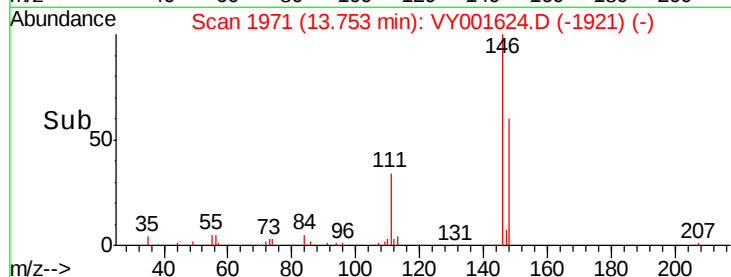
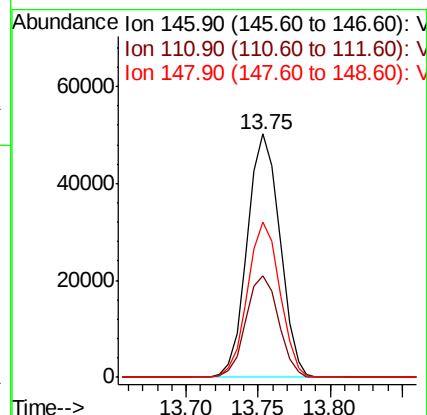
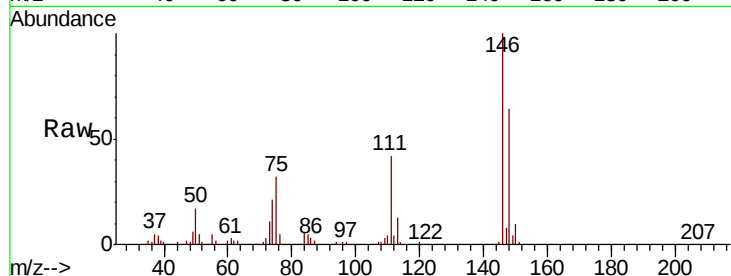
Tot Ion:146 Resp: 78815

Ion Ratio Lower Upper

146 100

111 41.6 21.9 65.8

148 63.2 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.973 ug/l

RT: 14.38 min Scan# 2073

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

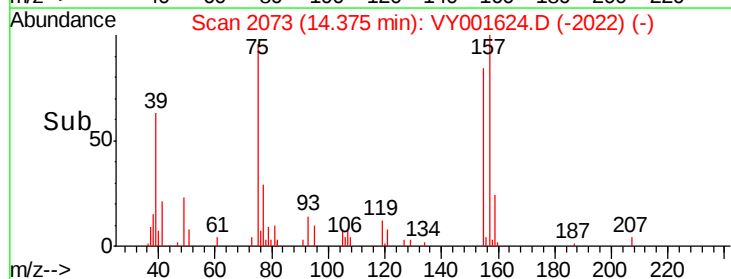
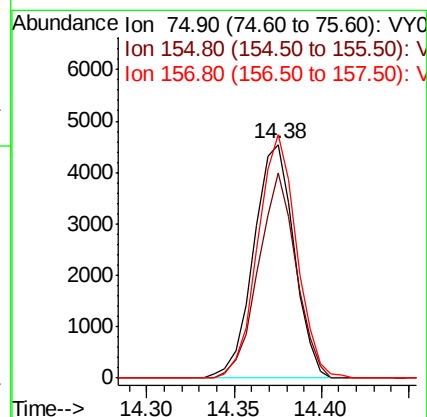
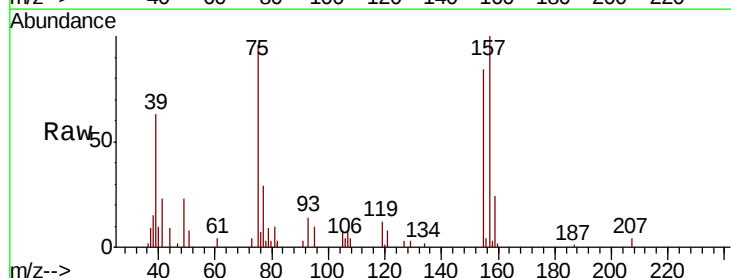
Tgt Ion: 75 Resp: 7286

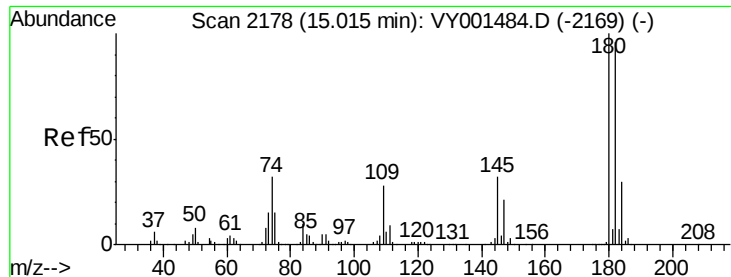
Ion Ratio Lower Upper

75 100

155 82.0 40.7 122.1

157 100.3 52.3 157.1

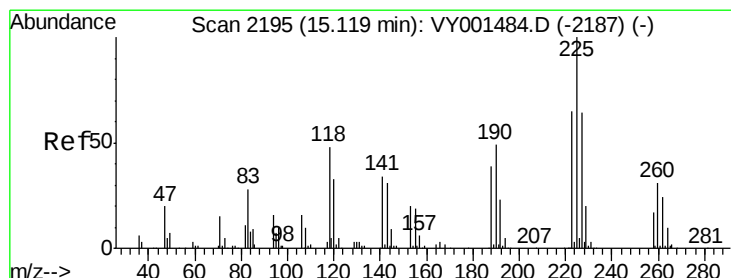
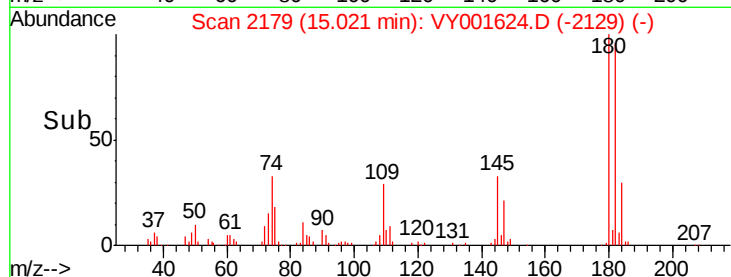
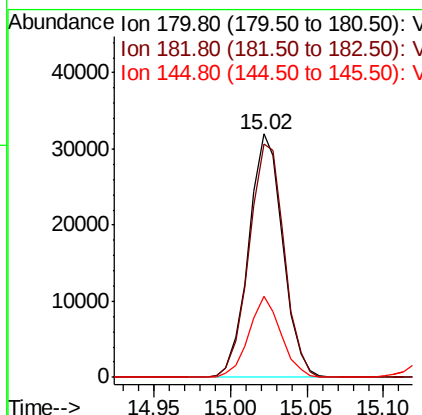
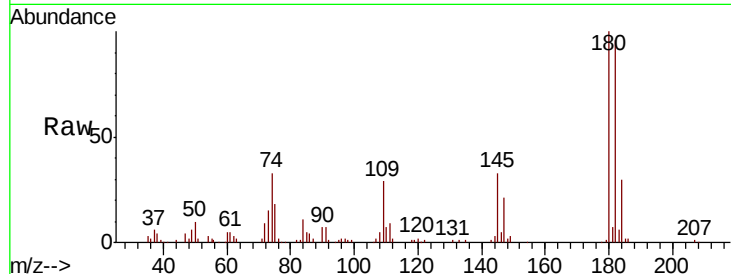




#93
 1,2,4-Trichlorobenzene
 Concen: 18.859 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

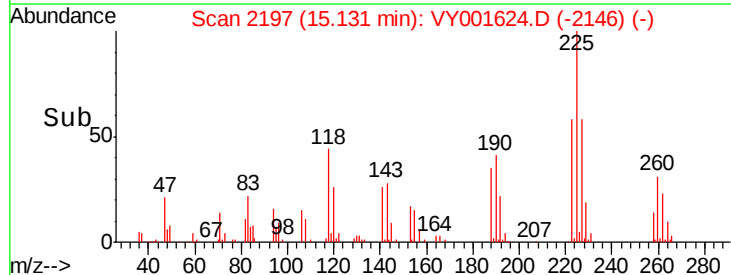
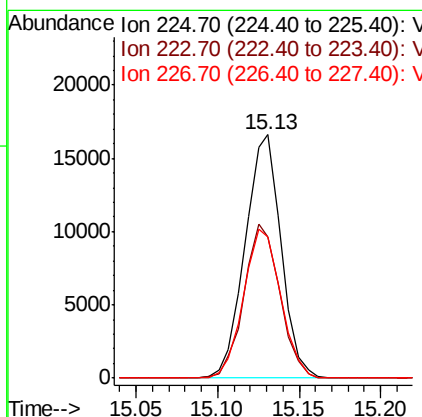
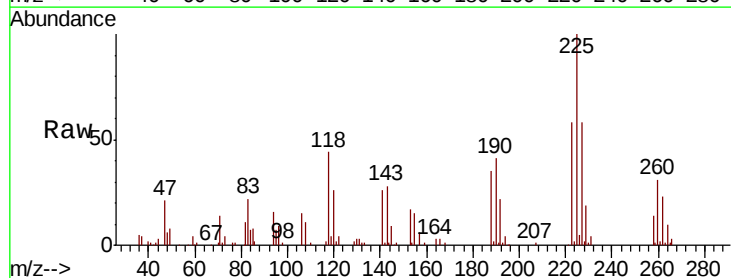
Instrument :
 MSVOA_Y
 ClientSampleId :

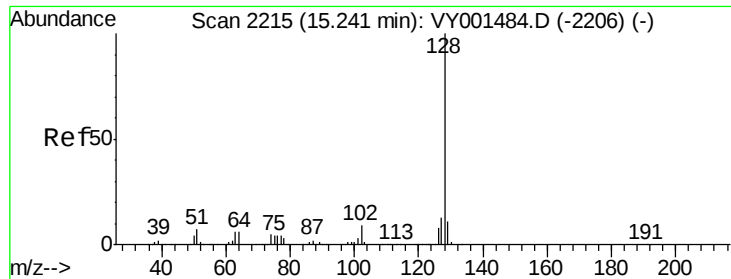
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	46.9	140.7
145	31.4	16.8	50.3



#94
 Hexachlorobutadiene
 Concen: 19.062 ug/l
 RT: 15.13 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: VY001624.D
 Acq: 13 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	63.2	32.6	97.7





#95

Naphthalene

Concen: 18.900 ug/l

RT: 15.25 min Scan# 2217

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

Instrument :

MSVOA_Y

ClientSampleId :

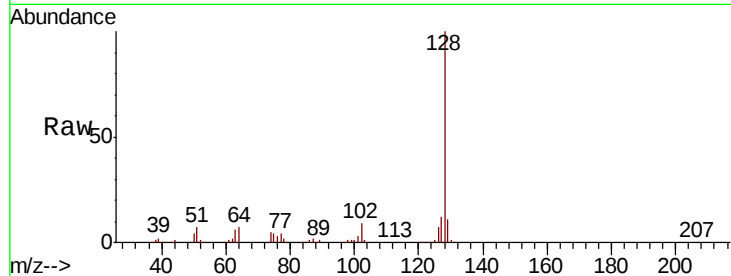
Tot Ion:128 Resp: 117014

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

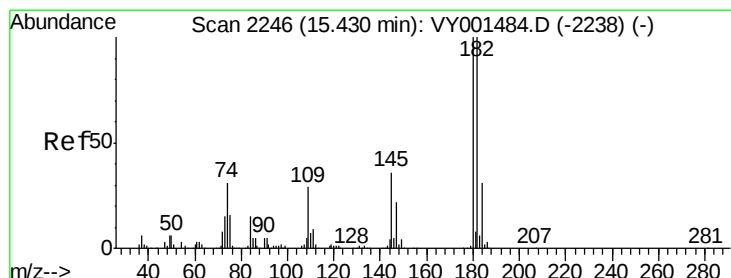
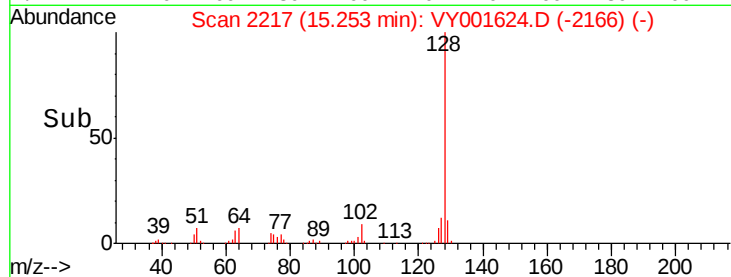
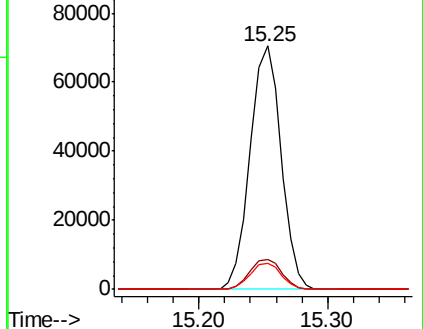
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.206 ug/l

RT: 15.44 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VY001624.D

Acq: 13 Feb 2020 12:27

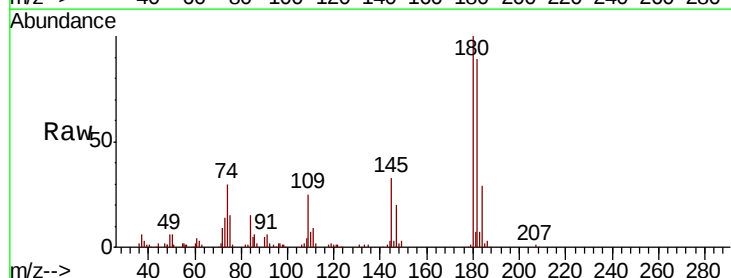
Tgt Ion:180 Resp: 44660

Ion Ratio Lower Upper

180 100

182 96.8 48.0 144.2

145 33.6 17.8 53.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

